

Deshbandhu College
University of Delhi
Kalkaji, New Delhi-19

67th Annual Report, 2018-19

18th April, 2019

Warm welcome and greetings!

On behalf of entire Deshbandhu fraternity it gives me honour and immense pleasure to welcome and receive Ramon Magsaysay awardee and Founder of “Goonj” Mr Anshu Gupta, our Guest-in-Chief for today’s function. I also welcome our Guest of Honour Dr Deepak Mishra, Rtd IPS officer. It is really heart-warming for me to welcome Professor Anil Kumar Rai, Department of Hindi, University of Delhi, our Distinguished Alumni. It is our privilege to have Dr Enakshi Sharma, Honourable Chairman of the Governing Body, Deshbandhu College to preside over today’s function.

Anshu Gupta is an Indian social entrepreneur who founded Goonj, a non-governmental organisation (NGO) headquartered in Delhi. Goonj has been chosen as “Game Changing Innovation” by NASA and US state Dept, 2012, apart from consistently getting recognized for its valuable work every year for past two decades. A few of the numerous awards include Innovation of India Award, India NGO of the Year 2008, Edelgive Award etc.

Mr Gupta is an Ashoka fellow and was conferred with "Social Entrepreneur of the Year Award" by Schwab Foundation for Social Entrepreneurship in 2012. He won the Ramon Magsaysay Award in 2015.

Dr Deepak Mishra

- Has been posted as Addl DCP South West Delhi, successfully controlled unprecedented student violence on Mandal Commission issue.
- AS Addl DCP Central District and DCP North East District, successfully controlled riots post Babri Masjid demolition at Ayodhya.

- Being DCP west cracked down notorious criminal Gangs in UP, Haryana, Rajasthan involved in the commission of sensational Murders, Dacoits extortion.
- Apprehended hard core terrorist like Gurmeet Singh alias Jung Singh of Babbar Khalsa, Mahender Pal Singh Khalsa etc. Besides this, several kidnapping cases were solved and arrested persons Md Ajij and four member of Dawood Ibrahim Gang along with 10 Kgs RDX.
- Was instrumental in getting ISO certification 9001-2000 to the recruitment cell of Delhi Armed Police due to which Delhi Police is first one to get ISO Certification with regard to the recruitment from Govt. of India.
- During tenure as Spl.C.P./Law & Order for 3 1/2 years large number of remarkable achievements have been made and list is rather exhaustive.

CRPF

- After his persistent efforts and guidance, Land measuring 2.23 Acre (83.29mx75.46m, 40mx75.46m) at Link Road, Lala Lajpat Rai Marg, Near CBI Building, opposite Electronics Niketan Building, CGO Complex has been allotted to CRPF for construction of office accommodation, shifting of CPC, barrack for men & parking for CRPF vehicles.
- Construction of 707 Nos. various types of Family quarters, 5 Nos. of Barracks, 3 Nos. of MT Garage/Park, 2 Nos. of each boundary wall/Adm Block/Baffle firing range, 1 No. each SO's mess/Store block/Quarter Guard, Parade Ground/Stadium/IED Museum/GO's Mess/Grain Godown /Primary School/STP/Dhobi Ghat etc. has been completed and possession taken over during the period.
- Excellent/uninterrupted communication cover provided to the troops deployed during Shri Amarnathji Yatra-2016 by establishing addl. nets, deploying addl. manpower/equipments and special communication equipments.
- 250 Nos. Hand Held Satellite phones procured and provided to the units deployed in LWE areas for ensuring uninterrupted communication from field formations.
- 5 static & 20 vehicle mounted RCIED jammers have been procured and deployed in Jammu-Srinagar highway to ensure safe passage of traffic.
- A Hospital Management Software has been developed and installed at CH New Delhi, Jammu, Hyderabad, Guwahati, Bangalore, NS Staff camp & DG staff camp hospitals for monitoring health status of the force. The same is also being installed with other hospitals in phased manner.
- Possession of land measuring 2.23 Acre taken over on 22/05/2017 for construction of CRPF HQr building, barrack and Vehicles parking etc. Further, CPWD (DZ-IV) has been requested for preparation of impressive drawing of building in 2,19,250 Sqr. feet.
- 87 Successful operations carried out based on Int. inputs generated by own Intelligence Set-ups.
- 72 Maoists & 24 Insurgents (Total-96) apprehended from Ops based on own Intelligence inputs.

Dr Anil Kumar Rai, Professor in Hindi at University of Delhi. Professor Rai has over thirty-one years of experience in teaching. He has done his graduation and post-graduation from Department of Hindi, Deshbandhu College. He has been an Academic Facilitator NIOS (MHRD) 2003 2007, NCC officer (DCAC) 2000 2010. Convenor : Refresher Course March 2007 Dec Jan. 2007 08, (ILLL). Nodal officer

: DUSFI (Delhi University) 2010. Resource Person: SCERT, Delhi 2001, Co-convenor : one International two National Seminars at DACC. In charge of the Department (DCAC), 1997-99, 2003-2005. Member Course committee M.A. Hindi, IGNOU, 2008

Professional Societies Memberships

Ex Visiting Professor, ICCR Chair, Peking University, Beijing, CHINA.
Ex Chairman, Shaheed Sukhdev College of Business Studies (Univ. of Delhi).
Ex Chairman, Kamla Nehru College (Univ. of Delhi).
Member, Governing Body, Hansraj College (Univ. of Delhi).
Member, Board of Studies, Aligarh Muslim University, Aligarh (UP).
Member, Board of Studies, Kumaon University, Nainital, (UK).
He has published two valuable books on literature.

Prof. **Enakshi Sharma**, Chairperson of the Governing Body of Deshbandhu College, is currently Professor & Director, Centre for Canadian Studies, Deptt of Electronic Science, University of Delhi. Eminent Academician, Prof. Enakshi Sharma is an alumnus of IIT, Delhi. She has specialization in Optical Electronics, Photonics and Microwave Photonics. With 75 research publications to her credit, she has supervised 20 doctoral thesis and worked for many national & international research projects.

Her Major Research Contributions:

- Efficient analytical and computational techniques for design and analysis of wave propagation in Optical Fibers, Integrated Optical Waveguides & waveguide devices.
- Methods to extract optical fiber characteristics from fiber measurement data.
- Analysis and design of coupled optical waveguide devices and waveguide devices with absorbing or metal layers.
- Analysis, modelling and design of Erbium doped Optical Fibers (EDF) and waveguides for optical amplifiers.
- Analysis of Long Period Gratings (LPG) in Erbium doped fibers leading to a novel concept of use of LPGs written in EDF for efficient gain equalization and ASE noise reduction.
- Analysis, design and realization of Optically Controlled Microwave Devices.
- Design of practical integrated optical components and circuits on Lithium Niobate substrates.

Her Administrative Assignments :

- Director, Centre for Canadian Studies
- Head, Department of Electronic Science, University of Delhi South Campus (2003-2006)
- Provost, Geetanjali Hostel (2004-todate).
- Member, Security Committee, University of Delhi South Campus (2004-todate).
- Nominated to participate in committees for National Tests in Physical Sciences and Electronic Science.

- Member Purchase Committee for upgradation of Computer Facilities in University Colleges (2004-2005).
- Chairperson of Technical Committee for upgradation of infrastructure in Physical and Electronic Science in Colleges of University of Delhi (2004-2006).
- Chairperson of Committee for the upgradation of Computer, Internet and Intranet facilities in the Colleges of University of Delhi (2009-todate).
- Member of Governing Bodies of various Colleges as University Representative/Chairperson.
- Panellist and reporter in Shastri Institute and FICCI meet on Higher Education (2013)
- Member, Committee for Shastri Institute for Canadian Studies Quebec fee Exemption. (2015)

Awards & Distinction

1. Recipient of the National Science Talent Scholarship (1970-1978)
2. Awarded the National Merit Scholarship in 1970 and 1973
3. Saraswati Gold Medal of Meerut University in B.Sc. (1973)
4. First Position in the Admission Test for M.Sc. Physics at I.I.T. Delhi (1973)
5. Visiting scientist under INSA-DFG exchange program (1987)
6. Invited Professor at University of Saint-Etienne, France (1995)

Academic visits and Collaborations outside India:

- City University, London, UK, discussions with Professor Aziz Rahman. 20 April 2015(a Ph.D. student supervised by her is working at this Institute under the Intact Programme)
- Institut fur Hochfrequenztechnik und Quantenelektronik, Karlsruhe Institute of Technology, Karlsruhe, Germany, 17 April 2013, discussions with Professor Wolfgang Freude.
- City University, London 16 July 2012, discussions with Professor Aziz Rahman. UKIERI Workshop 17-18 July 2012, Southampton, UK.
- City University London, Southampton University, and Heriot-Watt University in October 2009.
- Department of Computer Science and Communication Engineering, Kyushu University, Japan. Short term visits in June 2007 & June 2008): as collaborating scientist under the Japan-Indo Collaboration Project on Infrastructural Communication Technologies Supporting Fully Ubiquitous Information Society.
- Laboratoire Traitement a Signal et Instrumentation, University of Saint-Etienne, France, May-July, 1995 as Visiting Professor and a short visit in May 1983 .
- Institut fur Hochfrequenztechnik und Quantenelektronik, Karlsruhe Institute of Technology, Karlsruhe, Germany. May-July, 1987: Visiting Scientist under the INSA-DFG Exchange Programme. June 2009: as DAAD visiting scientist (a Ph.D. student is working in joint supervision jointly under sandwich program at this Institute).
- Department of Electronic and Electrical Engineering, University of Sheffield, U.K. May-July, 1990: Visiting Scientist under ALIS LINK UGC-British Council.
- International Centre for Theoretical Physics, Trieste, Italy (February-March, 1988): invited participation in Workshop on Optical Fibers and Integrated Optics(October-November, 1983}:invited participation in Workshops on Physics of Communication.

- Lasers and Electro-Optics Division, Tokyo Institute of Technology, Japan (December, 1994}}

I also welcome my teaching and non-teaching colleagues and students while extending my heartiest congratulations to all prize-winning students achieving distinction and merit in academics during 2018-2019.

Deshbandhu College, established in 1952, is named after late Shri Deshbandhu Gupta, a veteran freedom fighter, journalist and a member of the constituent assembly. The college began under the aegis of Ministry of Rehabilitation. It was later transferred to the Ministry of Education and finally in 1972, the college became a Delhi University maintained institution fully funded for imparting education in Arts, Commerce and Science subjects.

Student Strength

At present we have on roll for the academic year 2018-19 over four thousand five hundred students in total.

Staff Strength

The college has an impressive strength of permanent members, Ad Hoc members in the Teaching and in the Non-Teaching Staff.

Teaching Staff:

Permanent Faculty: 116, Ad hoc Faculty: 88

Non-Teaching: 113

Retired Members: During the academic session 2018-2019 the following Teaching and Non-Teaching staff members retired from the service of the college.

Teaching :

Mrs. Veena Garg, Deptt of Mathematics

Dr Ravi Kant, Deptt of Zoology

Dr Vishu Bellani, Deptt of Sindhi

Non-teching :

Surya Dev, Lab Assistant, Deptt of Physics

Jagmohan Singh, Gestentner, Office

Prem Lata Sr Assistant, Office

Hardeep Singh, S.O Accounts

We wish them and their families a prosperous and happy life ahead.

We lost a few of our esteemed members of Deshbandhu family during 2018-2019.

Expired:

Dr Anil Jha, Department of History

Mr Arun Taneja, Sr Assistant, Office

Activities of Various Departments and Societies :

Deshbandhu College has a distinguished history of sustained cultural activity in drama, debate, music, photography, dance, fashion and film. These activities are organized through cultural societies, namely, Deshbandhu Dramatics Society , Street players and Stage Payers Dialecticians – The Debating Society, hindi debating Society, Timbre – The Music Society, Sharpshooters – The Photography Society, D-Squad – The Dance Society , Style Brokers and The Quiz Society, Classical dance Society, Film Society Oculus, Art Meisters etc. . The students of these societies all together won an impressive number of about one hundred and fifty awards in various categories participating in numberless contest across and beyond Delhi University making college proud of their performances.

Various Activities Organized in the tenure of Dr. Kamana Singh as Convenor, Cultural Committee in the academic session 2018-2019

- Kathak Dance performance by Kathak guru and Padam shri Shovana Narayan on 29th October 2018.
- Qawwali performance by Sufi Nizami Brothers (finalists of India's got Talent) on 9th January 2019.
- Organized Annual Cultural Fest SABRANG 2019 on 5th and 6th March 2019 with Star Performance by Bollywood singer Shaan.

Detailed reports of individual departments of the college are given in the later half of this report.

CYFLE – The Placement Cell

The college started its Placement Cell in the year 2011, and since then it has been actively working for career guidance and recruitment of the students. The Placement Cell serves as a medium of interaction between students and the corporate world. It has always been a guiding force for the students and continuously strives to help them work on their skills, aptitudes, strengths and weaknesses by providing multifarious opportunities. The vision of the Placement Cell has always

been to guide the students for the enrichment of lives and the fulfilment of their dreams. A large number of companies has visited our campus such as Wipro, Jaypee, Google, TATA Consultancy Services, HDFC Group, Deloitte, IBM, Aircel, 36 Labs, etc. Our students have also been selected for many internships in companies like The Outlook Group, AAP, IDBI Federal, Cosco, Eat My News, etc. The Cell has also shaken hands with Intern Theory, Internshala and Intern Tree in order to expand our horizons with convenience.

Apart from on-campus placement drives, the Placement Cell also encourages students to be a part of walk-in interviews of companies as well as college clubbed drives, and coordinates in conducting seminars on career counselling and personality development, which train them for their professional journey.

AVSAR, the Job and Internship Fair hosted for the first time by the Placement Cell, Deshbandhu College was a major step towards providing quality placements and internships to the talented students. With the participation of over 27+ companies which included many reputed ones, start-ups and NGOs as well, like AIESEC, Sharekhan, Raina Infovision, Jindal Intellicom, Wipro, Limetray, QDegrees, Umeed, etc., along with a footfall of over 300+ students from different colleges, we can proudly say that the purpose of the event was met and was fruitful for students.

The Placement Cell of Deshbandhu College has efficiently managed to organise such a grand event and providing the best opportunities to the students.

Dr Kamal Gupta Coordinator
Department of Zoology

Dr Seema Gupta, Coordinator
Deptt of Commerce

FIONTRAI , ENTREPRENEURSHIP CELL

Convener: Dr Sangita Singh

1. B-WALK 3.0

Fiontra, the entrepreneurship cell of Deshbandhu College, works on startup projects, organises business events etc.

It's annual fest 'B-WALK 3.0' was conducted on 11.03.19 to 12.03.19. The fest began from 11am in the morning on both of the respective days. The program was started with the kind words of our very own convener ma'am, Dr. Sangita Singh.

The various activities which were performed namely are, 'Rush Hour and You Know Nothing,' a Game of Thrones panel game. Rush Hour was conducted on the first day of fest, i.e 11 of March 2019, in four different time slots, and number of people took part in it. The winning team was handed over a cash prize of RS.5000/-

On the second day of B-WALK 3.0, the quiz was conducted, which consists of ten different rounds, and out of eleven teams three were selected for the finale round. The winning pack was gifted Game of Thrones official merchandise, with a cash prize of RS.5000. The second runner-ups were too handed over with the official merchandise.

The reviews of the audience and the registered participants were taken on the official website of entrepreneurship cell, ecelldeshbandhu.home.blog

We, the team of e-cell without the help of our teachers support would n't have been able to conduct this fest. They are our biggest motivator and supporter, looking for us. A huge thank you on behalf of all the team members.

2. SKILL INDIA PROGRAM

Skill India Mission which was launched by Government of India to empower the youth of the country with skill sets which make them more employable and more productive in their work environment. In order to benefit maximum number of students skill India has collaborated with Fiontra, E-cell of Deshbandhu College.

3. THE TDC APPROACH

TDC profess a hybrid approach to solve the problem of lack of education for startups leading from academic front. Facilitating partnerships and collaborations with E-cells and startup based events through the nation TDC reach is the new standard in entrepreneurial mentorship.

4. DROPOUT MAGAZINE

Fiontra, E-cell of Deshbandhu College collaborated with startup under the name 'dropout magazine'. Through this student have got practical and theoretical knowledge of commencing the business in India.

5. ZENITH, E-CELL GGSIPU

In order to form a chain of E-cells, Fiontra has associated with Zenith, the entrepreneurship cell of GGSIPU. The main aim of this association is to work under one identity

Welcoming Environmental Change and Awareness with a New Eco Club

Change begins at home, and the college is our dwelling. Let's begin change from here itself!

The need of the hour is environmental conservation. While the world talks about environmental degradation, it is important to take necessary steps to conserve it. One small effort could bring about a positive change, and that is precisely why we started an Eco Club in our college.

The Eco Club of Deshbandhu College, University of Delhi, organized its inaugural function on 18th September, 2018. The venue for this event was Ghalib auditorium, Deshbandhu College. Dr. B.C Sawat graced us with his presence as the Chief Guest. He is the Director of Mahatma Gandhi Institute for Combating Climatic Change, and has been a great support for the Eco Club of Deshbandhu College. The speaker for the event was Dr. J.S Sharma, who is a retired Group General Manager of Environment from ONGC.

Ms. Usha Arora, Coordinator IQAC and Dr. Manju Rani Choudhury, Convener, talked about the environmental issues that we are facing each day. To make the inauguration ceremony informative and interesting, there were two competitions that took place between the students. Students from IGNOU, Deshbandhu College and Ramanujan College took part in the competition. Also, the winners received cash prizes and certificates for their excellent efforts.

There was a poster-making competition and a public speaking competition. The theme of the competitions were:

1. Poster Making Competition - Save the Earth (topic)
2. Speech competition - Sustainable Development (topic)

Our prestigious principal, Dr Rajiv Aggarwal encouraged the students with his motivating and informative speech on environment.

Overall, the event was a success and we look forward to organizing more in the near future. The youth and even the older generation need to be aware about the drastic changes that are happening around them. We can save the planet by taking small steps! After all, few drops of water can create a full water body! Through this Eco Club, we aim to create awareness and put in our efforts to save our environment.

Here's hoping for environmental change.

Dr. Manju Rani Choudhury

Convener, Eco Club

Associate Professor (Chemistry)

ENACTUS DESHBANDHU

- Enactus Deshbandhu is a student chapter of Enactus India that strives to solve social and economic issues through entrepreneurial action. It was founded by an undergraduate, 2nd year student along with the support of our faculty and it started with 20 ordinary teenagers having a goal in mind to uplift the weaker sections of our society.
- Enactus Deshbandhu is currently running 2 projects- Project TREYA and Project AMARTYA and has organised numerous campaigns till date.
- TREYA is a Sanskrit word which means walking on 3 paths : Empowerment, Employment and Enrichment. The maiden project of Enactus Deshbandhu started in January 2017 with an aim to set up a bakery enterprise in the name of Human
- Trafficking survivors by getting them trained in the art of baking and therefore providing them with a sustainable and dignified livelihood under our brand name 'Bakerywaleh'. The beneficiaries are trained by the head chef of D Bakers ,Mr Ramesh Joshi. D Bakers is one of the oldest **Bakery, Patisserie and Confectionery** in the city of Delhi.
- Acid attack is possibly the worst infliction on another human, leading to complete debilitation, loss of income and opportunity and social reclusiveness. Every dark cloud has a silver lining and therefore, there will be a refreshing revival in the lives of the beneficiaries and so we ignited a lamp in profound darkness by starting Project Amartya. Project AMARTYA focuses on the all round development and upliftment of women who are visually impaired and acid attack survivors, to immortalize their fighting spirit.

EVENTS AND STALLS

- **SOCIAL SUPPORTS X ENACTUS DESHBANDHU - April,2018**
Enactus Deshbandhu organized SocialSupports x EnactusDeshbandhu on 7 April, 2018 at antiSOCIALS, Hauz Khas. The event was a solicit showcase of our projects, Project Amartya and Project Treya which was followed by an interactive session. Our target was to organize this event in the month of April as National Child Abuse Prevention and Sexual Assault Awareness are celebrated in the very same month. The event had many famous food bloggers, professional chefs and general public as guests for the event. The highlight of the event was the surprise visit by rapper Raftaar
- **ENACTUS DESHBANDHU X NSS DESHBANDHU X IQAC –November,2018**
Enactus Deshbandhu in collaboration with NSS Deshbandhu and IQAC organised the Diwali Fest of Deshbandhu college, "Pradeepan" on November 1,2018. The fest had various stalls of different societies and NGO's . Some on the spot competitions ,fun games and events were also organised.
- **STALLS**
Enactus Deshbandhu has put up a lot of stalls throughout the year in various colleges. Bakery products under Project Treya and Handicraft products under Project Amartya were displayed on sale.

Stalls were also put up in Lady Shri Ram College of Commerce, Miranda House, Shivaji College, Rajdhani College, Delhi College Of Arts and Commerce, Daulat Ram college and many more .

PARTICIPATION IN EVENTS

Enactus Deshbandhu has participated in the following events:

- **VISIT TO THE ROHINGYA REFUGEE CAMP- April, 2018**

Our beneficiaries and our team volunteered to positively impact (in our own humble way) the Rohingya refugees at the Kalindi Kunj camp by providing them with our healthy oat and raisin muffins and sanitary aids to the women.

- **ENACTUS DESHBANDHU X MASH PROJECT**

Enactus Deshbandhu collaborated with Mash Project for **Each one Feed one** on the occasion of **Daan Utsav**

2018. We had set up a stall near the college canteen on 7th-8th October 2018 from 10:00AM-2:00PM.

The purpose behind

the stall was to collect donations of Rs 20 each. All the money collected was donated to Roti Bank a registered NGO ,who prepared meals from the donations and distributed that among the poor and the underprivileged.We also provided coupons for the people who donated. A total of Rs 6,230 was collected in the 2 days of the

stall and was donated to Roti Bank.

3) ENACTUS INDIA TEAM TRAINING CONFERENCE

Enactus Team Training Conference 2019 was held by IIT Delhi on 10th February 2019. A conference, from challenge,

discussion, information and open panel, we, as a team grasped a bit to step up.

From 'what Enactus is' to 'how we held our present and accomplish goals in future', the conference ensured on improvising

team's action. This conference was by Enactus India, specific mention to Mr. Devdip Purkayastha (President, Enactus India),

Ms. Shmita Ramkumar (Managing Director, Enactus India), and Ms. Neha Saini (National Program Manager, Enactus India).

MILESTONES

- A beneficiary from Project Treya was granted a scholarship for a cooking course, specialising in baking at IHM Pusa.

- Enactus Deshbandhu was interviewed by a representative of The Asian News International in April, 2018. The interview was published in June 2018

- Enactus Deshbandhu was featured on LBB. LBB also called as Little Black Book helps to discover and share local recommendations and reviews about food, events, lifestyle and more.

- Enactus Deshbandhu won the KPMG Business Ethics Grant for 2018-2019.

No matter where we are from, we all face challenges, but they don't define us. Enactus inspires us all to write our stories of resilience. 20 undergrads have contributed over substantially productive working hours to empower our beneficiaries to write their own stories. And all these stories are just getting started.We're tackling global issues to make a change by starting right at home. A change that is not only confined to classrooms and cities but a change that spans

streets, a change that is heard at national platforms and a change that is propagated in our hearts. **We, are Enactus Deshbandhu.**

Library :

Deshbandhu College Library added new facilities/features in the year 2018-2019. These are as follows:

- The Library initiated the process of digitalization of DESH Magazine and the same is now available on the College Website.
- The Library procured new server DELL Power edge T430 for smooth functioning of Library software.
- In the beginning of the academic session 2018-2019, the library organized a User Orientation Programme for the first year students.
- The library also added 2619 new books in the collection during 2018-2019.

NCC

NCC provides a suitable environment to motivate the youth to take up a career in the Armed Forces, Air force or Navy to serve the nation. Working towards this motive, the NCC unit of Deshbandhu College has done exceptionally well in a wide range of activities with a distinct emphasis on discipline, adventure training and participation in inter-college competitions at the University level.

NCC (Boys) Army Wing

NCC (Boys) team of DBC lead by the Commander SUO Ankit Singh Meena has been outstanding throughout the year 2018-19, both at college and inter college level. Their guard and the drill team in the leadership of JUO Inder Kumar Yadav and JUO Kumar Raushan won about 41 prizes (First and second positions) in Quarter Guard, Drill (26 prizes) and Best Cadet Competitions (15 prizes) held in various colleges of Delhi University that include Zakir Hussain Delhi College, Miranda House, SBSC, PGDAV College, KNC, , Motilal Nehru College, Aurobindo College, Indraprastha College, Hansraj College, College of Vocational Studies, Rajdhani College, Satyawati College, Lady Shri Ram College, Shivaji College, SGTB Khalsa College, SGND Khalsa College, Aditi Mahavidyalaya and Kalindi College. Additionally, some special achievements are as follows:

1. Our NCC cadet **Lt. Basant Kundu** graduated from **IMA Dehradun** in year 2018 and is ready to give his service for the Indian Armed Forces.
2. Former **Senior Under Officer Varun Pratap Singh** got selected as an Officer in year 2019.
3. **JUO Kumar Raushan** represented Delhi Directorate in **RDC 2019**, Led the contingent as the **Contingent Commander** and is **Delhi Directorate Best Cadet 2019**.
4. **L/CPL Chandan Kumar** represented Delhi Directorate in **Prime Minister's Rally 2019 (Cultural)**
5. **CDT Mukesh Choudhary** have done **Paraslithering Camp 2019**..
6. 5 cadets were the part of the marching contingent in the **Chief's Minister Rally this year**.

NCC (Girls) Army wing

NCC (Girls) team of DBC lead by SUO Amrita Jha has also been working towards the same motive. In addition to the participation in various college activities, the drill & quarter guard team of NCC girls in leadership of JUO Shabana Khatoon won 18 prizes in Drill, Guard and Best Cadet competitions (JUO

Shabana Khatoon) held in various colleges of Delhi University including Sri Aurobindo College, Rajdhani College, Zakir Hussain Delhi College, Indraprastha College, SBSC, Lady Shri Ram college, Kamla Nehru and SGND Khalsa.

some special achievements are as follows:

1. **CDT Pooja Verma** represented Delhi Directorate in **All India Culture** in **RDC 2019**.
2. 3 Cadets were the part of the marching contingent in the **Chief's Minister Rally** this year..

NCC Boys and Girls of DBC collectively organized an excellent annual fest of NCC "DESH-2019" and have been very active in the college activities that include discipline at various events, piloting for the chief guests and maintenance of the college premises.

NCC Officer : Lt. (Dr.) Pramod Kumar

NCC In-charge : Dr. Pratibha Kumari

NSS

Program officer: Mr. Sanjay Kumar

Co-opted Members: Dr. Ruby Mishra, Dr. Anand Kumar

Non- Teaching: Mr. Balwan Singh, Mr. Brajesh Kumar

PARTICIPATION IN NATIONAL LEVEL CAMPS ORGANISED BY MINISTRY OF YOUTH AFFAIRS AND SPORTS:

- Program Officer Mr. Sanjay Kumar and two of the Volunteers Utkarsh Mishra (Pol. Sci 3rd year) and Priyanshu Maurya (life sci. 2nd year) were participant of the NATIONAL ADVENTURE CAMP held from 12th sept. to 21st sept 2018 at PONG DAM centre of ATAL BIHARI VAJPAYEE INSTITUTE OF MOUNTEERING & ALLIED SPORTS HIMACHAL PRADESH. Delhi team comprising of 20 volunteers from 20 different college was led by Programme officer of NSS Deshbandhu College.
- Arpit Das (Botanyhons 3rd year) was part of NATIONAL INTEGRATION CAMP held from 23rd to 29th December 2018 at JAMIA MILLIA ISLAMIA UNIVERSITY, NEW DELHI.
- Sunny Verma (Hindi hons 3rd year) was participant of NATIONAL INTEGRATION CAMP Held DISTRICT INSTITUTE OF EDUCATION AND TRAINING, MANDI, HIMACHAL PRADESH from 12th-18th February 2019.
- Anand Parmar (Phy. Sc. 3rd year) was part of NATIONAL INTEGRATION CAMP held at CHANDIGARH from 24th to 30th March 2019.

REPRESENTATION OF COLLEGE AT STATE LEVEL:

- Utkarsh Mishra(President) Represented college at National conference on CYBER CRIME AGAINST WOMEN held at NDMC convention centre New Delhi on 9th march,2019.He was awarded with **Gold medal** and certificate.
- Team of 30 volunteers represented college in the celebration of “**Parakram Parv**” (Surgical Strike Day) on 29th sept.2018 at India Gate and conference centre, north campus University of Delhi.
- Team of 40 volunteers attended National Youth Training Program on **CPR** Held on 23rd oct. 2018 at Talkatora stadium.
- Team of 15 volunteers were part of **Rally For Road Safety** organised by Delhi Traffic Police on the occasion of National Road Safety Week on 4thfeb. 2019.

PROJECTS:

SDMC SCHOOL TEACHING:

Volunteers, on every Monday visited SDMC school,Defence Colony and SDMC school, Lajpath Nagar to impart value education to children. This project was started in the last month of December 2018 and concluded in the 1st week of march run in association with **Sri Sathya Sai Seva Organisation**.

PROJECT JAGRIK:

ON 10TH January,2019 NSS in association with **PRAVAH NGO** started the **Project JAGRIK**. This program aimed to achieve constitutional and SDGs literacy through Fund games that lasted over 6 weeks. Through discussion and dialogues students were made aware of the importance of knowing our duties along with our rights. Project concluded on 15th Feb,2019.

Major events

- **“PRADEEPAN” First ever Diwali mela of college was organised by NSS unit this year.**
- **Blood donation Camp** in association with AIIMS. Total 153 units of blood was donated.
- **NSS fest “siddhi”** was held on 12th march 2019 in which college witnessed completely new kinds of events including Teacher’ talent Hunt, Performance by slum children, Thanksgiving to security and cleaning staff of college.
- Celebration of **“Rastriya Matribhasadiwas”** on 21stfeb 2019 in which Prominent Speakers from JNU and DU were invited.
- **Electoral Awareness Program** in Association with “Election commission of india” in which Additional District Magistrate(Election Commission) was invited as chief guest.
- **Celebration of national Voter’s Day** on 25th January and Observance of National Martyr’s day on 31st January 2019.
- **Workshop on Road Safety**inAssociationwith DELHI TRAFFIC POLICE on the occasion of NATIONAL ROAD SAFETY WEEK starting from 4th February 2019.
- **“INDIA VOLUNTEERS DAY”** A National level award ceremony was conducted in our college by INDIA VOLUNTEERING NETWORK with NSS DESHBANDHU COLLEGE.
- On the occasion of NSS day, Volunteers with the members of ART SOCIETY made the first GRAFFITI(wall painting) of college on the wall of NSS room.
- **Kerala flood relief** material collection drive.

- Stationary and Books Donation Drive InOKHLA slum on the occasion of **World Literacy Day**.
- Cleanliness drive at Tugalkabad fort and Shelter Home kalkaji during **Swachhta Pakhwara**.

Various seminars and workshops including talk on “**environment Safety and women hygiene**”, **CPR training workshop** in association with “American Health Institute”.

Women Development Cell

WDC runs under the guidance of Dr. Rajiv Aggarwal (Principal), Dr. Rama Singh (convenor) and members of WDC viz, Dr. Seema Gupta, Dr. Harindri Choudhary, Dr. Ruby Mishra (member secretary), Dr. Vandana Mathur, Perna Kumari and Ms. Sheela Singh.

In the current year 2018-19 WDC has organized the following programmes;

On 25th October 2018 in collaboration with ICC (Internal Complaints Committee) presided by Dr. Chandrika Gulati and with IQAC (Co-Ordinator) Ms. Usha Arora. The Theme of the event was 'GENDER SENSITIZATION'. The speakers of the day were: (1.) Ms. Ira Singhal (IAS batch 2014 topper), I.A.S officer and(2.) Dr Sanjeev Kaushal (A renowned poet and translator). Ms. Ira Singhal enlightened all the students and teachers with her empowering and informative speech on the topic 'GENDER SENSITIZATION' .Dr. Sanjeev Kaushal presented his poetry on women, highlighting the sensitivity, power and plight of women today.

WDC celebrated International Women's Day on 8th of March 2019. The theme of the event was 'ROLE OF LIFESTYLE BEHAVIOUR ON WOMEN'S HEALTH'. The speaker of the day Dr. Varsha Baweja (Associate Professor in department of zoology) made the students aware of the challenges the modern woman has to face as she juggles between office and house work, keeping in mind the lifestyle behavior practices like bad eating habits etc.

Students took part in events organized on the same day (1.) Poetry Recitation and (2.) Extempore competition. Last event: 'Nukkad Natak' was performed by the dramatics society of Deshbandhu college, highlighting the progress of women with the progress of nation. The programme was a great success and generated a lot of joy and positivity.

Student's Union Advisory Committee

The Student's union advisory committee worked closely with the student's union under the leadership of Dr. USHA RANI ARORA, to ensure a holistic student development which was inclusive and collaborative. Independence Day celebration was organized including KAVI Sammelan. The student's social responsibility was highlighted in a Blood Donation Camp organized by the union in association with “AIIMS”. The union was encouraged to innovate and explore. The union organized an event in association with an NGO “DESH KI BAAT” to spread awareness of youth in nation building. The union organized a FLAG-MARCH in Kalkaji area to pay tribute to our brave martyr soldiers in “PULWAMA

ATTACK”. The oath ceremony was consciously a simple ceremony in the month of October. The union addressed the issues brought to their attention by the students and dealt with them to the best of their abilities and satisfaction of the students. The union worked for installation of sanitary pad machine in GCR and provided safety gears to the students of Chemistry. Mirrors and handwash liquids were made available in the washrooms. “SABRANG 2K19” the annual cultural fest was successfully organized.

IQAC Report

Coordinator: Ms Usha Arora

Following are a brief listing of the programme /events coordinated by IQAC :

- Two Days National Workshop on “Skill Development to build a Clean India” on June 7th & 8th 2018 to celebrate World Environment Day.
- First AQAR (Annual Quality Assurance Report) submitted in Dec.2018.
- Faculty Development Programme, “Entrepreneurship” in Science, Technology and Management Society, Organized by NSTEDB, ABSES, Delhi University and Teaching learning Centre (under PMMMNMT Scheme) at Deshbandhu College held on 13th December-27th December, 2018.
- “Indian Philosophers’ Day” on 8th August, 2018.
- A Session on “Gender Sensitization” on 25th Oct.2018.
- A Motivational Seminar on “Program Your Subconscious Mind to Achieve Success” on 6th Sep,2018.
- The college has received “Star College” status under DBT confirmation from University of Delhi.
- NSS Diwali Mela on 1st Nov.2018.
- “ICPST-2019” (International Conference On “Physics, Society &Technology-2019) January 17-19,2019.
- Antarrashtriya Matribhasha Diwas on 21st Feb.2019.
- International Women Day celebrated on 7th March, 2019.
- National Workshop on “Applied Psychology & Sports Psychology on 8th & 9th April, 2019
- 12th Annual Deshbandhu Memorial Debate, “This House Believes in the Necessity of Revolution to Herald Change” on 3rd April, 2019. Co-organised by Dialecticians the English Debating Society.

Thank you

Dr Rajiv Aggarwal

**Principal, Deshbandhu College
University of Delhi**

Department of Biochemistry

Departmental activity

1. Department organised Lecture on, “Modelling Human Diseases in Zebrafish: The How and Why?” by Dr. Chetana Sachidanandan, Senior Scientist, Zebrafish Chemical Genetics, Institute of Genomics and Integrative Biology (IGIB), Mathura Road, New Delhi on 9th Oct 2019.
2. Department organised a lecture on, “Biochemists in wonderland: what lies ahead” by Prof. Suman Kundu, Head, Department of Biochemistry, South Campus, University of Delhi on 20th Feb 2019.

Dr. Rajni Jain

Extension Lectures Organised:

1. Organised a lecture as convener on the topic, “Modelling Human Diseases in Zebrafish: The How and Why?” by Dr. Chetana Sachidanandan, Senior Scientist, Zebrafish Chemical Genetics, Institute of Genomics and Integrative Biology (IGIB), Mathura Road, New Delhi.
2. Organized a lecture as convener on the topic, “Biochemists in wonderland: what lies ahead” by Prof. Suman Kundu, Head, Department of Biochemistry, University of Delhi South Campus on 20th Feb 2019.

Workshops/Conferences attended:

1. Attended national symposium on Environment, “Green Technology for Environmental Sustainability” by Department of Zoology, Deshbandhu College, on 25th Sep 2018.
2. Attended an event on the topic, “Building alliance for transforming nutritional landscape in India” on 13th March 2019 organised by Indo Global Social Service Society at India International Centre, Delhi.

Dr. Kamana Singh

Extension Lectures Organised:

1. As a member, organizing committee, “Modelling Human Diseases in Zebrafish: The How and Why?” by Dr. Chetana Sachidanandan, Senior Scientist, Zebrafish Chemical Genetics, Institute of Genomics and Integrative Biology (IGIB), Mathura Road, New Delhi on 9th Oct 2019..
2. As a member, organizing committee, “Biochemists in wonderland: what lies ahead” by Prof. Suman Kundu, Head, Department of Biochemistry, Deshbandhu College,

Workshops/Conferences attended:

Ph.D. Students guidance:

- External examiner in a Ph.D. viva of a student, Rashi Jai Singh who defended her thesis on the topic, “Isolation and characterization of plant growth promoting Rhizobacteria from *Seasamum indicum* L. and their exploitation for enhancement of growth and yield” on 25th April 2018 at Dept. of Microbiology, Himalayan University, Itanagar, Arunachal Pradesh, India.
- External examiner in a Ph.D. viva of a student, Rakhi Sharma who defended her thesis on the topic, “Evaluation of pharmacological activities of *Cycas revoluta* (sago palm) and isolation of active molecules from potent extract” on 24th Oct 2018 at Department of Biotechnology, Himalayan University, Itanagar, Arunachal Pradesh, India.
- External examiner in a Ph.D. viva of a student, Meenakshi Chauhan who defended her thesis on the topic, “Proton donor acceptor equilibria and metal association of pyrazolones and thiovioluric acid” on 15th Oct 2018 at Department of Chemistry, Himalayan University, Itanagar, Arunachal Pradesh, India.
- External examiner in a Ph.D. viva of a student, Ram Pratap who defended his thesis on the topic, “Studies on production and characterization of bio-diesel from *Jatropha*” on 24th Oct 2018 at Himalayan University, Itanagar, Arunachal Pradesh, India.

Workshops/Conferences attended:

- Attended national symposium on Environment, “Green Technology for Environmental Sustainability” by Department of Zoology, Deshbandhu College, on 25th Sep 2018.

Administrative Responsibilities

- Cultural Committee convener from April 2018.

Dr. Preeti Karwal

Books and journals with ISBN/ISSN numbers only:

- Misra R, Menon D, Arora G, Virmani R, Gaur M, Naz S, Jaisinghani N, Bhaduri A, Bothra A, Maji A, Singhal A, **Karwal P**, Hentschker C, Becher D, Rao V, Nandicoori VK, Gandotra S, Singh Y. Tuning the Mycobacterium tuberculosis alternative sigma factor SigF through the multidomain regulator Rv1364c and osmosensory kinase, protein kinase D. *J Bacteriol.* 2019 Jan 14. pii: JB.00725-18. doi: 10.1128/JB.00725-18. [Epub ahead of print] PubMed PMID: 30642988.
- **Karwal P**, Vats ID, Sinha N, Singhal A, Sehgal T, Kumari P. Therapeutic applications of Peptides against Zika Virus: A Review. *Curr Med Chem.* 2019 Jan 10. doi: 10.2174/092986732666619011115132. [Epub ahead of print] PubMed PMID:30636575.

Papers/Poster presentations in seminar/Conference:

- Participated in Five day “National Workshop on Computation for Biomedicine and Healthcare” at IIT -Delhi campus from 10th-14th December, 2018.
- Participated in MHRD (PMMMNMTT) Sponsored Seven day workshop cum Faculty Development Programme on "ICT INTEGRATED RESEARCH IN MATHEMATICAL SCIENCES" organized by Teaching Learning Centre, Ramanujancollege, 24th-30th September, 2018.

Dr.VineetaKashyap

Extension Lectures Organised in Biospark 2018-2019:

1. As a member, organizing committee, “Modelling Human Diseases in Zebrafish: The How and Why?” by Dr.ChetanaSachidanandan, Senior Scientist, Zebrafish Chemical Genetics, Institute of Genomics and Integrative Biology (IGIB), Mathura Road, New Delhi.
2. As a member, organizing committee, “Biochemists in wonderland: what lies ahead” by Prof. SumanKundu, Head, Department of Biochemistry, Deshbandhu College.

A Member of Cultural committee

Workshops or Conferences Attended:

Bhartiya Women Past, Present and Future, 23-24 February 2019, NDMC convention centre, Parliament Street, New Delhi organised by Shaikshik foundation in association with Deshbandhu College, DU.

Dr. PrabhaArya

Administrative responsibilities

1. Member of extended committee during SABRANG annual cultural festival of Deshbandhu College 2019 on 5th and 6th March 2019.

Workshops/Conferences attended:

1. Attended national symposium on Environment, “Green Technology for Environmental Sustainability” by Department of Zoology, Deshbandhu College, on 25th Sep 2018.

Attended a conference on, “Bhartiya Women Past, Present and Future” organised by Shaikshik foundation in association with Deshbandhu College, DU on 23-24 February 2019, NDMC convention centre, Parliament Street, New Delhi.

Dr.Vanshika Lumb

Extension Lectures Organised:

1. As a member, organizing committee, “Modelling Human Diseases in Zebrafish: The How and Why?” by Dr. ChetanaSachidanandan, Senior Scientist, Zebrafish Chemical Genetics, Institute of Genomics and Integrative Biology (IGIB), Mathura Road, New Delhi.
2. As a member, organizing committee, “Biochemists in wonderland: what lies ahead” by Prof. SumanKundu, Head, Department of Biochemistry, Deshbandhu College.

Administrative Responsibilities

1. Member of extended committee during SABRANG annual cultural festival of Deshbandhu College 2019 on 5th and 6th March 2019.
2. Worked at member of Prize and Certificate Distribution Committee during Sabrang 2019.

Workshops/Conferences attended:

Presented the poster in the National Symposium “Green Technology for environment sustainability” held at Deshbandhu College on 25th September, 2018.

Dr. Rashmi Dudeja

Extension Lectures Organised:

1. As a member, organizing committee, “Modelling Human Diseases in Zebrafish: The How and Why?” by Dr. ChetanaSachidanandan, Senior Scientist, Zebrafish Chemical Genetics, Institute of Genomics and Integrative Biology (IGIB), Mathura Road, New Delhi.
2. As a member, organizing committee, “Biochemists in wonderland: what lies ahead” by Prof. SumanKundu, Head, Department of Biochemistry, Deshbandhu College.

Administrative Responsibilities

1. Member of extended committee during SABRANG annual cultural festival of Deshbandhu College 2019 on 5th and 6th March 2019.

Department of Botany

Inaugural function of Botanical Society

The Botanical Society “SANJEEVANI” was inaugurated for session 2018-19 on October 19, 2018 with an insightful lecture by eminent scientist, Prof. Paramjit Khurana (Department of Plant Molecular Biology, University of Delhi, South campus) on ‘Climate Smart Agriculture in the Era of Plant

Genomics'. Prof. Khurana explained climate smart agriculture keeping in mind the Water Footprint of plants and also explained the need of Evergreen Revolution, that is Green Revolution going hand in hand with Gene Revolution to meet the needs of the rapidly growing population. The talk was well appreciated by all. The new office bearers of the Society were also introduced in the function. In the second half of the day another invited lecture "Survey of Psychophilous Flora" was delivered by Dr. Ishtiyak Ahmad, from Bombay Natural History Society, Conservation Education Centre (BNHS-CEC). Dr. Ahmad presented an informative documentary to brief us about the role of butterflies for the sustenance of biodiversity along with a discussion on butterfly conservation.

Survey of Psychophilous flora in Deshbandhu College campus

As a part of the Butterfly Census program under the Bombay Natural History Society Conservation Education Centre (BNHS-CEC), Deshbandhu College campus was selected as one of the survey site for the Delhi Butterfly Census. On 19th September, 2018 our students conducted butterfly survey in college campus under the keen guidance of Dr. Ishtiyak Ahmad (BNHS-CEC). They could locate a good number of butterflies on *Cassia fistula* (Amaltas), *Aeglemarmelos* (Bael) and *Murrayakoenigii* (Curry-leaf plant). During the butterfly survey it was found that Deshbandhu College campus harbours a good number of Butterflies among the college campuses of Delhi University, indicating the healthy flora/environment of our college campus. Students were inspired to grow more such plants in the campus and near-by areas to attract more and more of butterflies.

Visit to Asola Bhatti Wildlife Sanctuary

As a part of our curriculum, students of B. Sc. (Hons) Botany 1st Year visited Asola Bhatti Wildlife Sanctuary on September 11, 2018 accompanied by faculty members to study the natural flora and fauna. As a part of the Butterfly Census program under the CEC Bombay Natural History Society, we conducted a survey of the Psychophilous flora in the park area. Observed immigrant butterfly species breeding on *Cassiafistula*(Amaltas). Students also learned about the role of Water Cabbage (*Pistia*) in controlling pollution in aquatic ecosystem.

Botanical excursion to Kausani, Uttarakhand

Students of B. Sc. (Hons) Botany 2nd, 3rd year and B. Sc. (Prog) Life Sciences along with some faculty members visited Kausani and Mukteshwar in Uttarakhand on 5th October, 2018. They observed and learned about the flora of Uttarakhand including various species of Fungi, Bryophytes, Gymnosperms and Angiosperms. They also learned to identify, collect and preserve different specimens of these groups. They visited Himalayan Centre of TERI and learned about developing sustainable integrated agricultural techniques to upgrade the modern agriculture. They also visited "Central Institute of Temperate Horticulture" in Mukteshwar and learned about high density cultivation of the Red June peach variety, Golden Apples, walnuts, chestnuts, pecan nuts, ornamental 'Mirchi', tomatoes, grapes, Kiwis, etc. They interacted with the researchers in Fruit Science laboratory. They also visited Jim Corbett National Park and studied the flora and fauna of the region and enjoyed nature walk, adventure activities like rock climbing, rappelling, trekking and river wading.

CSE live talk by the Director, Dr Sunita Narain

Students of BA Hindi (Hons), Computer Sciences and Life Sciences attended the Second live Facebook interactive lecture session (3PM to 4PM) on 13th November 2018 by Dr. Sunita Narain, Director General, Centre for Science and Environment (CSE), New Delhi under the scheme 'Green Educators Network' in the BLT, Department of Botany. Students of different courses studying Environmental Studies also attended Third live Facebook Interactive Lecture session on 30th January '19 in the Botany Lecture Theatre. Dr Sunita Narain gave insights about 'Solid Waste Management'.

National Symposium

Two days National Symposium on "Avenues in Plant Science: A Hope for Sustainable future" was organized by Department of Botany, Deshbandhu College, on 8th and 9th March, 2019. A hands-on training session for students was also conducted to enhance the knowledge and skills of the students in developing a suitable future.

A visit to the Mother Dairy plant in Patparganj was also conducted in April, 2018 for fulfilling the course requirement for the paper, Industrial and Environmental Microbiology, B.Sc. Botany (hon.) 3rd year.

Valedictory function of Botanical Society "Sanjeevani"

The Society ended its activities for the academic year by organizing a valedictory function on April 04th, 2019. On the occasion, Prof. Surajit Sarkar from Department of Genetics, University of Delhi delivered a talk on, "*Drosophila melanogaster*: a tiny organism solving gigantic complexities of human neurodegenerative disorders". Prof. Prem L. Uniyal, Department of Botany, University of Delhi was the chief guest on the occasion. He also delivered an eye-opening presentation on a very sensitive and much needed concern 'Restoration of Endangered Plants'. The annual magazine of Botanical Society "Petals" was also released during the function.

Academic Achievements of Faculty

Dr. Meenakshi Prajneshu

1. Member of Science Faculty, Delhi University (2018-2019).
2. Advisor, Symposium on Avenues in Plant Sciences: Hope for Sustainable Future held at Deshbandhu College (8-9 March, 2019).
3. Published a Paper- Bhaduri, N.P., **Prajneshu, Meenakshi**, Kumar, L. and Ramlal, A. (2018). Bio efficacy of weed based extracts in the control of *Rhizoctonia* root rot disease of Buckwheat. DU Journal of Undergraduate Research and Innovation, **3**, 50-56.
4. Presented a poster on Buckwheat (Kuttu: As food, good health and medicine; Niti Pathak, Shaban Ahmad, **Meenakshi Prajneshu** in National Conference 2019 on Conservation, Cultivation and Sustainable use of Medicinal and Aromatic Plants at ManavRachna International Institute of Research and Studies (21-22 February, 2019). 2nd prize

5. Presented a poster on Is IPR an anti-thesis to food security and sustainable agriculture; **Meenakshi Prajneshu** and four others in Symposium on Avenues in Plant Sciences: Hope for Sustainable Future at Deshbandhu College (8-9 March, 2019).
6. Presented a poster on Sustainable use of Biotechnology: How to protect it; **Meenakshi Prajneshu** and five others in Symposium on Avenues in Plant Sciences: Hope for Sustainable Future at Deshbandhu College (8-9 March, 2019).
7. Presented a poster on Role of IPR in Sustainable Agriculture; **Meenakshi Prajneshu** and five others in Symposium on Avenues in Plant Sciences: Hope for Sustainable Future at Deshbandhu College (8-9 March, 2019).

Dr. Sarla

1. Participated in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
2. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.

Dr. Bela Bhatia

1. Member college advisory committee for National Workshop on “Skill Development to build a Clean India”, organized by Deshbandhu College and sponsored by ONGC on June7-8,2018.
2. Member organizing committee for Fourth National Symposium on Environment: Green Technology for Environmental Sustainability” organized by Deshbandhu College on 25th September, 2018.
3. Convener of Symposium 2019 – “Avenues in Plant Sciences : A Hope for Sustainable Future” organized by Department of Botany, Deshbandhu College on 8th and 9th March, 2019.

Dr. Roshni Rajamohan Mathur

Refresher course

1. Science Academies’ Refresher Course on ‘Plant Taxonomy and Ethnobotany’, organized by MD University, Rohtak, (Sponsored by Indian Academy of Sciences, Bengaluru, Indian National Science Academy, New Delhi and The National Academy of Sciences India, Allahabad) 8-22 October, 2018.

Faculty Development Programme

2. UGC-HRDC Sponsored 1-week Professional Development Programme for Senior Faculty organized by the UGC-HRDC, JamiaMilliaIslamia, New Delhi from 24-31 December, 2018.
3. MHRD sponsored 2-Day Faculty Development Programme organized by Mahatma Hansraj Faculty Development Centre under PMMMNMTT on Agriculture, Health & Society at Hansraj College, University of Delhi on from 15-16 March, 2019.

Symposia

4. Acted as Member, Organizing Committee in conducting “Fourth National Symposium on Environment: Green Technology for Environmental Sustainability” organized by Deshbandhu College 25, September, 2018.
5. Acted as Member, Organizing Committee in 2-day Symposium on “Avenues in Plant Sciences: A Hope For Sustainable Future” organized by Botany Department, Deshbandhu College, University of Delhi, from 8-9 March, 2019.

Workshop

6. Participated in the Regional Workshop on Research Based Pedagogical Tools organized by UGC-MHRDC, Kumaon University, Nainital, Uttarakhand from 31st July – 2nd August 2018.
7. Participated in Workshop on Recent Trends in Plant Systematics and Future Prospects organized by the Department of Botany, Dyal Singh College, University of Delhi, New on 12 March, 2019.

Dr. Dharmendra K. Mallick

1. Selected as *Plantae* Fellow of American Association of Plant Biologists (ASPB).
2. Participated in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
3. Attended 5th Refresher Course in Contemporary Studies (Interdisciplinary), 31st Dec, 2018-21st Jan, 2019 at UGC-Human Resource Development Centre, JNU, New Delhi, and awarded A grade.
4. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.

Dr. Rajender Kumar Sharma

1. Participated in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
2. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.
3. Participated in two days Faculty Development Programme on “Agriculture, Health and Society” (Interdisciplinary) on 15th and 16th March 2019 in Hansraj College, Delhi University

Dr. Aparna Nautiyal

1. Co-convener of Symposium 2019 – “Avenues in Plant Sciences: A Hope for Sustainable Future” organized by Department of Botany, Deshbandhu College on 8th and 9th March, 2019.
2. Participated in the workshop on “Recent Trends in Plant Systematics and Future Prospects” on 12th March 2019 in Dyal Singh College, Delhi University.
3. Book: *Biology: The science of Life and Diversity*, S.K. Aggarwal, AparnaGairiNautiyal, Anju Chhibbar, MEDTECH Publications (2018).

Dr. Kumar Shantanu

1. Participated in five days Faculty Development Program on BIOSTATISTICS: Theoretical and Practical Aspects under the aegis of DBT Star college scheme of Department of Biotechnology, Govt. of India from March 14th to March 18th, 2018 at DeenDayalUpadhyaya College, University of Delhi.
2. Presented a poster entitled BRYOPHYTES as MEDICINE: A Remedy to Cure at International Conference on Advance Research in Life Sciences organized by SGM College and Shivaji University, Kolhapur (India) from March 27th to March 28th, 2018.
3. Lead Trainer for Biology at Regional STEM workshop on RBPT (Research Based Pedagogical Tools) held in Kumaun University, Nainital, Uttarakhand from July 31, 2018 to August 02, 2018 in association with DBT and IISER, Pune.
4. Secured All India rank 2 as Contingent Commander of Senior Division Cadets of 1Delhi Air Sqn (Flg) NCC in All India Vayu Sainik Camp from October 24, 2018 to November 04, 2018 at Jodhpur.
5. Yateesh M. Bahuguna, H. Govindaparyari, Shantanu Suman and P.L. Uniyal 2018. Bryophyte Diversity, Utility and Prospects. In: Plant Diversity of India (Eds A.K. Bhatnagar&Rupam Kapoor), pp 128-179. I.K. International Publishing House Pvt. Ltd., New Delhi.
6. Member, Academic Council, University of Delhi (2019-2021) since February 13, 2019
7. Participated in SERB sponsored school in Evolutionary Biology held at JawaharLal Nehru Center for Advanced Scientific Research, Bengaluru from March 12, 2019 to March 26, 2019.
8. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.

Dr. Anju K. Chhibbar

1. Poster presented in National workshop on “Skill Development to Build Clean India” June 7-8, 2018 at Department of botany, University of Delhi. Title: “Environmental Carcinogenesis” Anju Chhibbar and Meenakshi Prajneshu
2. Presented a poster on “Is IPR an anti-thesis to food security and sustainable agriculture”, Anju Chhibbar and four others in Symposium on Avenues in Plant Sciences: Hope for Sustainable Future at Deshbandhu College (8-9 March, 2019).
3. Presented a poster on “Sustainable use of Biotechnology: How to protect it”,Anju Chhibbarand five others in Symposium on ‘Avenues in Plant Sciences: Hope for Sustainable Future’ at Deshbandhu College (8-9 March, 2019).
4. Presented a poster on “Role of IPR in Sustainable Agriculture”,Anju Chhibbar and five others in Symposium on ‘Avenues in Plant Sciences: Hope for Sustainable Future’ at Deshbandhu College (8-9 March, 2019).
5. Presented a poster on “Biofertilizers in sustainable development”, in Symposium on ‘Avenues in Plant Sciences: Hope for Sustainable Future’ at Deshbandhu College (8-9 March, 2019).SushmaSheoran, Ashiq Ahmed and Anju Chhibbar.
6. Presented a poster on “Role of mycorrhiza in sustainable agriculture and Food Security”, in Symposium on ‘Avenues in Plant Sciences: Hope for Sustainable Future’ at Deshbandhu College (8-9 March, 2019).DNSS Srilatha, Muskan Tiwari, Shrishti Gupta and Anju Chhibbar.

7. Presented a poster on “Green Technology : Innovation and Protection”, in Symposium on ‘Avenues in Plant Sciences: Hope for Sustainable Future’ at Deshbandhu College (8-9 March, 2019). Sneha, Manasi, Anju Chhibbar and MeenakshiPrajneshu.
8. Publications: Sunita Yadav and Anju Chhibbar (2018). “Plant-Virus interactions” in Molecular Aspects of Plant-Pathogen Interaction. A. Singh, I. K. Singh (eds.), doi.org/10.1007/978-981-10-7371-7_3
9. Books: *Biology: The science of Life and Diversity*, S.K. Aggarwal, AparnaGairiNautiyal, Anju Chhibbar, MEDTECH Publications.
10. Attended a faculty development Programme entitled “Agriculture health and Society”, from 15-16th March, 2019 by Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi.
11. Participated in the workshop on “Recent Trends in Plant Systematics and Future Prospects” on 12th March 2019 in Dyal Singh College, Delhi University.

Dr. Sourav Singh Deo

1. Reproductive Biology of *Excoecariaagallocha* L. (Euphorbiaceae) A Mangrove – Associate species. In International Journal of Plant Reproductive Biology. 11(1) 2018. ISSN: 2249-7390
2. Revisiting Mangrove Ecology- Need for Rehabilitation and Management. In International Journal of Management Science and Technology. 9(4) 2018. Page 411-431. ISSN: 2250-1959

Dr Madhu Rani

1. Participated in the Regional Workshop on Research Based Pedagogical Tools organized by UGC-MHRDC, Kumaon University, Nainital, Uttarakhand from 31st July – 2nd August 2018.
2. Member, Organizing Committee in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
3. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.
4. Participated in the workshop on “Recent Trends in Plant Systematics and Future Prospects” on 12th March 2019 in Dyal Singh College, Delhi University.

Dr. Sunita Malik

1. Acted as Member, Organizing Committee in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
2. Acted as Member, Organizing Committee in the International Conference on “Bhartiya Women: Past, Present and Future” on 23rd and 24th February 2019, Organized by Deshbandhu College, University of Delhi.
3. Acted as Member, Organizing Committee in the International Conference on Physics, Society and Technology, 17th -19th December 2019, Deshbandhu College, University of Delhi.

Dr. Vinay Shankar

1. Chapter in a Book published by Springer “Microorganisms in saline Environments: Strategies and functions” with title “Strategies for Reclamation of Saline Soils”
2. Participated in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
3. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.

Ms Anjana Singh

1. Participated in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
2. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.
3. Participated in the workshop on “Recent Trends in Plant Systematics and Future Prospects” on 12th March 2019 in Dyal Singh College, Delhi University.
4. Participated in two days Faculty Development Programme on “Agriculture, Health and Society” (Interdisciplinary) on 15th and 16th March 2019 in Hansraj College, Delhi University.

Paper Publication

5. Anjana Singh and P.L. Uniyal (2018). Study on the Accumulation of Heavy Metals in some Epiphytic Mosses of Nainital City, Uttarakhand, India. *Cryptogam Biodiversity and Assessment* 3(1): 01-06.

Dr. Rubina Chongtham

1. Participated in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” on 25th September 2018 in Deshbandhu College, Delhi University.
2. Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable future” on 8th and 9th March 2019 in Deshbandhu College, Delhi University.
3. Attended the TIGR2ESS workshop on R for Genomics and Data mining, 24th Feb-1st Mar., 2019, organized by NIPGR and University of Cambridge.

Dr. Neha Yadav

Research Papers/Publications

1. Yadav N., Pandey A.K. and Bhatnagar A.K. 2019. Pollination biology and breeding system of maple species *Acer oblongum* Wall. ex DC. (Sapindaceae) showing mixed syndromes of wind and insect pollination (under revision in Proceedings of National Academy of Sciences)

Workshop/ Symposia

1. Acted as Member, Organizing Committee in the Fourth National Symposium on “Environment: Green Technology for Environmental Sustainability” held at Deshbandhu College, University of Delhi on September 25th 2018.
2. Acted as Member, Organizing Committee in two days Symposium on “Avenues in Plant Science: A Hope for Sustainable Future” held at Deshbandhu College, University of Delhi on 8-9th March 2019.

3. Participated in the workshop on “Recent Trends in Plant Systematics and Future Prospects” held at Dyal Singh College, University of Delhi on March 12th 2019.

Department of Commerce

Throughout the year 2018-2019, The Department of Commerce remained very active and engaged in plethora of academic, research and extra-curricular activities under the leadership of Dr. Surabhi Dhingra, Teacher-in-charge of Commerce Department.

The Commerce Department has conducted following events in the Academic year 2018-19:

1. Inaugural seminar on “**Program Your Subconscious Mind to Achieve Success**” by one of the most influential motivational speaker in India: Mr. Neeraj Singh Rathore (International Certified Business Coach) on 6th September, 2018.
2. A seminar on “**Making the First Impact: Enhancing Employability**” by speaker, Ms Neeta Mathur, spearheading three verticals-Coaching and Training, Executive Search and HR Consultancy on October 4, 2018.
3. “**MINERVA**”, annual commerce fest was organized on 30th and 31st January, 2019. It got inaugurated by Ms Rita Mishra, our chief guest for the function. The fest witnessed more than 1000 students from various colleges in Delhi NCR and prizes worth 40000 were distributed to the participants.
4. Organized a **poster/painting/drawing competition** on the theme “Circular Economy for Productivity and Sustainability” in collaboration with National Productivity Council, an autonomous body under the Department of Industry Policy and Promotion, Ministry of Commerce and Industry, Government of India and Economics department in January 2019.
5. An **Educational Excursion** to Chail-Kufri was organized from 28th March, 2019 to 31th March, 2019. Dr Pramod, who also heads the NCC wing in college, accompanied the students who were interested in going. The students not just enjoyed the picturesque view and the camaraderie during the trip, but also enjoyed physical activities like strenuous trekking, flying fox etc. They also visited the “World’s Highest Cricket Ground”.
6. A **Factory Visit** to Furukawa Minda was organized for third year students on 23rd April, 2019. The students were given presentations, taken on a tour of a factory and their umpteen questions satisfied. Concepts of accounting, management, logistics, marketing, CSR activities, etc were practically relatable through this visit.

Besides students, our faculty members were also very active throughout the year.

PAPER PRESENTATION AND PARTICIPATION IN NATIONAL/ INTERNATIONAL SEMINARS, CONFERENCES AND WORKSHOPS

- Dr. Surabhi Dhingra presented a paper in an International Conference on Bhartiya Women: Past, Present and Future, organized by Shaikshik Foundation in association with Deshbandhu College, Delhi University held at NDMC Convention Centre, New Delhi on 23-23 February, 2019.

- Dr.Surabhi Dhingra presented a paper in an International Conference at Christ College, Bengaluru in January 2019 on “Women at Workplace in India: Raising a voice against sexual harassment-yesterday, today and tomorrow”
- Dr. Seema Gupta, Dr. Meenu and Ms. Sonam Tomar participated in International Conference on Bhartiya Women: Past, Present and Future, organized by Shaikshik Foundation in association with Deshbandhu College, Delhi University held at NDMC Convention Centre, New Delhi on 23-23 February, 2019.
- Dr. Pramod Kumar, Dr. Meenu and Ms. Sonam Tomar participated as delegate in the National Seminar on Globalism vs. Nationalism: the US-China Trade War and India, organized by Department of Economics, Shaheed Bhagat Singh College, Delhi University held at the India International Centre, New Delhi on 11th February 2019.
- Dr. Seema Gupta participated in Certificate Program on "Emotional Intelligence" by Institute of Leadership and Governance, The Maharaja Sayajirao University of Baroda, Vadodara from 19-20 January, 2019.

OTHER ACHIEVEMENTS OF FACULTY MEMBERS

I. Dr. Seema Gupta

- Coordinator, Refresher course in Economics and Management by the UGC- Human Resource Development Centre, CPDHE and FMS, Delhi from 19th September to 11th October, 2018.
- Coordinator, Refresher Course in Contemporary Issues of the World organized by the UGC- Human Resource Development Centre, CPDHE from 27th November, to 17th December, 2018.
- Chairperson and Judge in Ethical Storytelling Contest, National Youth Festival in Centre for Holistic Development CHD, Shyam Lal College held on 11th-12th January, 2018.
- Organizing team and Editorial Board in International conference on Bhartiya Women Past, Present and Future from 23rd-24th February, 2019.
- Member, Cultural Committee, Deshbandhu College, organised SABRANG 19 Deshbandhu College
- Member, UDAAN, cultural festival, IGNC, Coordinator Declamation contest, 12th-14th February, 2019.
- Co coordinator, Placement Cell, organized Job and Internship Fair.
- Organized Motivational Talk by International Coach and Author Neeraj Rathor, September 6th, 2018.
- Organized series of workshops for students of the college, "How to handle stress and anxiety" in August- September 2018.
- 2nd Prize winner, Storytelling Contest in the public event organized by Speakindia at Oxford Bookstore on 25th August, 2018.
- 1st Prize winner of Laughter Speech contest held in YMCA by Speaktchange at YMCA, Delhi on 23th February 2018.
- 2nd Prize winner of Persuasive speech contest held in by Speaktchange on 24 November 2018.

II. Dr. Surabhi Dhingra

- Deen Dayal Upadhyay College as a speaker in October'18 for a workshop titled- " India Inc: Quo Vadis"
- Bharati College as a panelist on "Career Talks: The Unconventional Roadmap" (November, 2018)
- "Women in the Indian Media: Challenges and Achievements"- panel discussion jointly organized by WDC of Hindu College and IIMC, Delhi (November, 2018)
- Conducted an awareness session on Sexual Harassment of Women at Workplace Act organized by the Women's Development Cell for students of Deshbandhu College (February, 2019)
- Speaker on workshop-cum-seminar on "Sexual Harassment-free Society: Utopian?" at RGIPT, Jais, Amethi. (March, 2019)
- Guest of Honour at National Institute of Personnel Management (Punjab Chapter) in their Annual Conference and Workshop on "Labour Legislation in Today's Scenario" held in March 2019
- Eminent speaker- Professional Network Group of India on Women's Day celebration. (March, 2019)
- Lady Shri Ram College for Women (March, 2019) "Better Future: A Fight Against violence" The panel discussion was organized by the NSS wing.
- As a convener of COMSOC, Commerce Society of Deshbandhu College, she successfully organized seminar, excursions and workshops.

III. Dr. Pramod Kumar

- Participated in DST sponsored Faculty Development Programme on Entrepreneurship jointly organized by Deshbandhu College (*Delhi University*) and ABES Engineering College in association with Teaching Learning Centre, Ramanujan College(*Delhi University*).

IV. Dr. Meenu

- Organizing member of International Conference on Bhartiya Women: Past, Present and Future (details given above).
- Organizing member of International conference on Physics, Society and Technology, 2019 organised by Deshbandhu College in the month of January, 2019.

V. Ms. Sonam Tomar

- Organizing member of International Conference on Bhartiya Women: Past, Present and Future (details given above).
- Worked as an organizing member of DST sponsored Faculty Development Programme on Entrepreneurship jointly organized by Deshbandhu College (*Delhi University*) and ABES Engineering College in association with Teaching Learning Centre, Ramanujan College (*Delhi University*).
- Attended a Two day National Faculty Development Programme on "Research: Problem Formulation and Analysis" organized by Department Of Commerce, Maitreyi College, Delhi University on 13-14 November 2018.

Dr Seema Gupta, Associate Professor, Department of Commerce.

1. Coordinator, Refresher course in Economics and Management by the UGC- Human Resource Development Centre, CPDHE and FMS, Delhi from 19 th September to 11th October 2018.
2. Coordinator, Refresher Course in Contemporary Issues of the World organized by the UGC- Human Resource Development Centre, CPDHE from 27th November to 17th December 2018.
3. Chairperson and Judge in Ethical Storytelling Contest, National Youth Festival in Centre for Holistic Development CHD, Shyam Lal College held on 11-12 January 2018.
4. Participated in Certificate Program on "Emotional Intelligence" by Institute of Leadership and Governance, The Maharaja Sayajirao University of Baroda, Vadodara from 19-20 Jan, 2019.
5. Member, Organising team and Editorial Board in International conference on Bhartiya Women Past, Present and Future from 23-24 Feb 2019.
6. Member, Cultural Committee, organised SABRANG 19 Deshbandhu College
7. Member, UDAAN, cultural festival, IGNCA, Coordinator Declamation contest, 12-14 February 2019.
8. Co coordinator, Placement Cell, Organised Job and Internship Fair.
9. Organised Motivational Talk by International Coach and Author Neeraj Rathor, September 6, 2018.
10. Organised series of workshops for students of the college, "How to handle stress and anxiety" in August- September 2018.
11. 2 nd Prize winner, Storytelling Contest in the public event organized by Speakindia at Oxford Bookstore on 25 th August, 2018.
12. 2nd Prize winner of Persuasive speech contest held in by Speaktchange on 24 November 2018.
13. 1 st Prize winner of Laughter Speech contest held in YMCA by Speaktchange at YMCA, Delhi on 23 th February 2018.

Department of Chemistry

The Chemical Society "Resonance" of the Department of Chemistry, Deshbandhu College has started in present form in the Year 2000 under the guidance and Teacher in-Charge ship of Dr Vivek Saxena. After that each year Chemical Society of our college organizes various events and Lectures by eminent speakers

in different field of Chemistry relevant to students, staff and society. In recent years Chemical Society presents two functions in a year: one Inaugural Lecture/Function and other Annual Festival.

This year for Inaugural function Prof. B.S. Garg was invited as chief guest and main speaker of Inaugural Lecture of Resonance – 2018. President of Chemical Society, Deeksha has given brief introduction about Resonance Function. Teacher in- Charge, Dr Vivek Saxena has spoken about importance of the society and its function for all stakeholders. Our Principal, Dr Rajiv Aggarwal has spoken about impact of pollution on society. He has expressed his own views on Green Chemistry. Convener, Chemical Society Dr Deo Nandan has given brief outline about the Chief Guest.

Professor Garg has spoken in detail about Green Chemistry. In last part of his lecture he had shown few slides containing photos of philosophical thought which were very relevant to day to day life of human. Dr Usha Arora gave vote of thanks with concluding remarks about the relevance of the lecture in society. In both inaugural and annual function inter college students activities were organized such as Rangoli, Quiz, Poster making, Poster presentation, Fun in Lab, Chem charad. Students won Prizes for best performance in various events.

DrMadhuri Goyal,

Convenor, National Workshop on Skill Development to build a Clean India

DrMadhuriGoyal, *Convener*

Dr Brajesh Kumar, *Co-Convener*

A two days workshop on Skill Development to build a Clean India was organised in collaboration with IQAC on June 7TH and 8TH 2018. The event was sponsored by Oil and Natural Gas Corporation, New Delhi.

This workshop was an initiative of Deshbandhu College, and was sponsored by Oil and Natural Gas Corporation Ltd. New Delhi, to raise the awareness about the environment issue during the world environment week 2018 of which India was the global host.

The workshop was planned to have expert talks on relevant theories followed by live demonstration/practical classes on specialized subjects by the eminent faculty and environmentalists. In addition, Tree plantation and various on the spot activities were also planned during the two days workshop. Various sessions were organised to cover Air Quality Management & Skill Development, Understanding Air Quality Monitoring Techniques, and Waste Management & Energy Harnessing in the two days' workshop. In this workshop Climate issues in Delhi NCR in collaboration with Indian Association for Air Pollution Control (IAAPC). DRDO Science and Technology for Soldiers and Society were added attraction through an exhibition by Defence Research Laboratory, Defence Research and Development Organisation, Tezpur. Hands-on training on various air quality monitoring instruments was also organised in collaboration with Envirotech India Pvt.Ltd. in one of the sessions.

The workshop was attended by a total of 130 participants from all over India out of which a total of 15 papers were presented orally, 26 posters were presented and a total of 37 abstracts were incorporated in the proceedings of the workshop. The organisation like Central Pollution Control Board, Indian Association for Air Pollution Control, Defence Research Laboratory, Defence Research and Development Organisation, Tezpur, and Envirotech Instruments Pvt. Ltd also actively participated in the workshop.

The workshop was concluded by Valedictory Session, where experts from JNU and Centre for Scientific and Technical Terminology, MHRD addressed the gathering. They were of the opinion that this kind of

workshop where faculty members and students have the opportunity to interact with experts from industry and various Government organisations like CPCB, IMD, TERI etc. are useful for sustainable development in the country.

Dr Namita Gandhi

1. **Member, Organizing Committee of Workshop on Skill Development to Build a Clean India** held on June 7 & 8, 2018 organized by Deshbandhu College in collaboration with CSR, ONGC, New Delhi at Deshbandhu College, New Delhi.
2. **Presented a paper titled “A Lot More Than Only Laws”** in the Fourth National Symposium on Environment : Green Technology for Environmental Sustainability” held at Deshbandhu College, Univ. Of Delhi on September 25, 2018.
3. **Poster titled “Vegetables grown alongside Yamuna in Delhi: A health Hazard”** 1st International Conference on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) 25-26 February, 2019. Organised by: Centre for Global Health, Hansraj College, University of Delhi, Delhi, India & Loyola University Chicago Stritch School of Medicine, USA
4. **Presented a paper titled “Trends In Food Packaging: A Comprehensive Review”** at National Seminar: Saga of Food: Politics, Aesthetics and Technology 13-14 March 2019 Organized Jointly by IQAC & Department of Food Technology Vivekananda College, University of Delhi held at Vivekananda College, University of Delhi, Delhi
5. **Presented a paper titled “Food Colours And Their Chemistry”** at International Conference on Contemporary Issues in Integrating Health and Nutrition with the Emerging Areas of Food Technology, Agriculture, Environment and Allied Sciences Organized by: **Department of Food Technology**, Shyama Prasad Mukherji College for Women, University of Delhi, New Delhi, *Supported by:* “KrishiSanskriti, New Delhi, India” *On* 6th April 2019 held at Shyama Prasad Mukherji College for Women, University of Delhi, New Delhi, India.

Dr. Ruby Mishra

1. Worked as organizing committee member for workshop on “Skill Development to Build a Clean India” held on 7th and 8th June, 2018 organized by Deshbandhu College in collaboration with CSR, Oil and Natural Gas Corporation Ltd.

2. Gave oral presentation in National Conference on “Innovations in sciences in Emerging Challenges in Health and Environment” by Department of Chemistry, Daulat Ram College, University of Delhi on 20th March 2018.
3. Worked as Organising Secretary in Fourth National symposium on “Environment Green Technology for Environmental Sustainability” at Deshbandhu College on 25th September 2018.
4. Worked as teacher Co-ordinator in “India International Science Festival” organized on 5th -8th October, 2018 at Indira Gandhi Pratisthan, Lucknow.
5. Presented poster and got 1st prize in “Utkarsh’ 2018 International Conference on empowering and enabling women in science” on October 30-31, 2018 organized by CSIR (NEERI), Nagpur, Maharashtra, India.
6. Completed two Faculty development programmes of Two Weak Each
 - a) “E-learning, Pedagogy and ICT Tools in Higher education organized by Guru Angad Dev Teaching Centre of MHRD, SGTB Khalsa College, University of Delhi, held on 26th November – 7th December, 2018.
 - b) Entrepreneurship in Science, Technology and Management Society, Organized by NSTEDB, ABSES, Delhi University and Teaching learning Centre (under PMMMNT Scheme) at Deshbandhu College held on 13th December-27th December, 2018.
7. Presented paper in the session of Role of women in Science and Technology in international seminar on “BhartiyaNari, Kal, AajAurKal” organised by ABRSM, SachikManthan, Deshbandhu Collge on 23-24 Feburary 2018, at NDMC Centre, New Delhi.

Dr. Umesh Kumar

1. Paper/Poster presentation in seminars/conferences:
 - I. Presented a poster entitled “*Earth abundant Nickel(II) complexes as catalytic activator for Suzuki-Miyaura C–C coupling reactions in greener aqueous media*” Deepika Tanwar and **Umesh Kumar*** in a national conference on ‘**Recent Trends and Advancements in Chemical Sciences –2019**’ organized by Department of Chemistry & Bhaskaracharya College of Applied Sciences, University of Delhi, Delhi *in Association with* Society for Promotion of Education and Science. **29th to 31st March 2019.**
 - II. Presented a poster entitled “*Silver Chalcogenides Nanoparticles: Synthesis, Characterization and Catalytic Activities*” Garvit Gupta, Deepika Tanwar, Debajyoti Deb and **Umesh Kumar*** in a national conference on ‘**Recent Trends and Advancements in Chemical Sciences –2019**’ organized by Department of Chemistry & Bhaskaracharya College of Applied Sciences, University of Delhi, Delhi *in Association with* Society for Promotion of Education and Science. **29th to 31st March 2019.**
 - III. Presented a poster entitled “*Schiff’s base(O,N,S donor) ligated Nickel(II) complexes as bio-activator for sustainable antibacterial activity*” Deepika Tanwar, Pooja Mittal, Indrakant K. Singh and **Umesh Kumar*** in an international conference ‘**1st International Conference on Integrated Chemistry, Biology and Traslational Medicine (ICBTM–2019)**’ organized by Hansraj College, University of Delhi, Delhi, India and Stritch School of medicine, Loyala University of Chicago, USA. **25th & 26th February 2019. (Received Best Poster Presentation Award).**
 - IV. Participated in a workshop on ‘**Short Course on Surface Area and Porous Material Characterization**’ organized by Anton Paar Quanta Tec Inc, USA at Indian Institute of Technology Delhi, New Delhi–110 016, India. **12th March 2019.**

Computer Science

Rakhi Saxena

Papers accepted in Journals:

1. Social Centrality using Network Hierarchy and Community Structure. Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. Data Mining and Knowledge Discovery, 32(5):1421-1443, 2018.
2. Identifying Similar Networks using Structural Hierarchy. Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. Accepted for publication in Physica A: Statistical Mechanics and its Applications, 2018.

Papers presented at International Conference:

1. Capitalizing on Hierarchical Graph Decomposition for Scalable Network Analysis, Rakhi Saxena, Sharanjit Kaur, and Vasudha Bhatnagar. Presented at the 44th International Very Large Databases(VLDB) 2018 Conference. Held in Rio de Janeiro, Brazil from 27th to 31st August, 2018.

Department of Economics

The Economics Department has conducted following events in the Academic year 2018-19:

- 1) Inaugural lecture on “Revisiting the Employment Challenges for India” by Dr.Satyaki Roy currently working as Associate Professor at the Institute for Studies in Industrial Development (ISID), New Delhi, on 15th March, 2019in collaboration with IQAC..
- 2) Annual fest of the economics society, ECOINIA’ 19 was successfully organized on 15-16 March, 2019.
- 3) Organized a poster/painting/drawing competition on the theme “Circular Economy for Productivity and Sustainability” in collaboration with National Productivity Council, an autonomous body under the Department of Industry Policy and Promotion, Ministry of Commerce and Industry, Government of India and Commerce department in January 2019.
- 4) Ecozest, the Economics Society of Deshbandhu College in collaboration with South Asia Students for Liberty organised a Colloquium on the topic ‘Economics of Politics’ on 12th November 2018. Through this, we try to understand how individual choices shape up the political discourse in any society.
- 5) Seminar on “India's Engagement With Free Trade Agreements” by renowned Professor BiswajitDhar from Centre of Economic Studies & Planning, JNU on 2nd November, 2018 in collaboration with IQAC.

PAPER PRESENTATION AND PARTICIPATION IN NATIONAL/ INTERNATIONAL SEMINARS, CONFERENCES AND WORKSHOPS

- Dr.Sangita Singh, Dr.Jitender Kumar, Dr. Neha Jain, Mr. Nadeem AhmadandMr. Vijay Kumar Pal participated as delegate in the National Seminar on Globalism vs. Nationalism: the US-China

Trade War and India, organized by Department of Economics, Shaheed Bhagat Singh College, Delhi University held at the India International Centre, New Delhi on 11th February 2019.

- Dr. Savita Singh attended Workshop on “Skill Development to build a Clean India” held on 7th - 8th June, 2018 organized by Deshbandhu College in collaboration with CSR,ONGC Ltd., New Delhi.
- Dr. Jitender Kumar, Mr. Nadeem Ahmad and Mr. Vijay Kumar Pal participated in International Conference on Bhartiya Women: Past, Present and Future, organized by Shaikshik Foundation in association with Deshbandhu College, Delhi University held at NDMC Convention Centre, New Delhi on 23-23 February, 2019.
- Dr. Jitender Kumar, Dr. Neha Jain, Ms. Shreya Malhotra, Mr. Nadeem Ahmad participated in National Seminar/Workshop on Technical Terminology in Higher Education organized by Commission for Scientific and Technical Terminology, Ministry of Human Resource Development, Department of Higher Education held at Shyama Prasad Mukherji College, University of Delhi on 29th and 30th October, 2018.
- Ms. Shreya Malhotra participated in a one day workshop on “Game Theory and Mechanism Design” organised by Department of Economics, Jamia Millia Islamia, New Delhi on 2nd March, 2019.
- Ms. Juhi Lohani Harjani participated in International Conference on South Asian Economic Development, organized by South Asian University, held at SAU, Chanakyapuri, New Delhi on 21-22 February, 2019.
- Mr. Nadeem Ahmad presented a paper titled “Catastrophic Out-of pocket Health Expenditure and Poverty Nexus among Informal Sector Households in India: The Household Well-being Approach” at 2nd International Conference on An Uncertain World: Growth, Development and Sustainability held at FLAME university, Pune on March 1st-2nd, 2019 and at the 16th Annual Conference of the Indian Association for Social Sciences and Health (IASSH) on Health, Well-being and Regional Development: Emerging Issues and Challenges held at Jawaharlal Nehru University, during 10 to 12 December 2018.
- Mr. Nadeem Ahmad presented a paper titled “Health Expenditure in India” in the All India International and Area Studies Convention 2019 on Ascending India: Reflections on Global and Regional Dimensions, organized by School of International Studies, Jawaharlal Nehru University from 30th January to 1 February, 2019.
- Mr. Nadeem Ahmad participated in the 9th Workshop on “Advanced Methods in Large Scale Data Analysis” organized Indian Association for Social Sciences and Health (IASSH) jointly with Jawaharlal Nehru University between 7 to 9 December 2018.

OTHER ACHIEVEMENTS OF FACULTY MEMBERS

Dr. Sangita Singh

As a convener of the entrepreneurship cell of Deshbandhu College, Fiontrai, she successfully organized its annual fest, 'B-WALK 3.0' on 11-12 March, 2019.

Dr. Savita Singh

As founder member of ECO Club Deshbandhu organized its first inaugural function on 18th Sept. 2018. It included a lecture on “Sustainable Development and Poster Presentation on Save the Environment”.

Dr. Neha Jain

- She was awarded Ph.D. degree in the 95th Annual Convocation of Delhi University. The title of the thesis is “Issues in Economics of Public Procurement”.
- Served as the Convenor of the Annual fest of the economics society, ECOINIA’ 19.
- Served as the teacher coordinator in organizing the poster/painting/drawing competition in collaboration with National Productivity Council (details given above).

Mr. Vijay Kumar Pal

- Served as a faculty member of the entrepreneurship cell of Deshbandhu College, Fiontrai, helped in organizing its annual fest.
- Organizing member of International Conference on Bhartiya Women: Past, Present and Future (details given above).
- Organizing member of International conference on Physics, Society and Technology, 2019 organised by Deshbandhu College in the month of January, 2019.

Department of English

Department of English is always committed towards the excellence and holistic development of students. Under the esteemed supervision and patronage of department, *Epiphany: English Literary Society* has organized several talks, lectures, and speeches by renowned scholars and professors on various literary aspects to enhance students understanding of the world throughout the academic session 2018-19. Some of the glimpses are as follows:

- A highly applauded one day literary event “**FIRST IMPRESSION**” was organized on 1st November, 2018 to provide a platform for students to showcase their literary talents through Open Mic session. Prof Heeraman Tiwari, Jawaharlal Nehru University, Dr Tasneem Shahnaaz, Sri Aurobindo College, University of Delhi delivered lectures on Memory and Tradition and Feminism respectively on the same day which provided further foregrounding for students to hone their literary and artistic calibres.
- A talk on the theme of Partition by Dr Anil Sethi was organized on 1^{3th} February, 2019.
- Annual literary fest “**Carpe Diem-2019**” was organized on 25th February, 2019. Famous ghazal singer Zulfiqar Khan graced the occasion as our Chief Guest and charmed entire audience by his magical melodies. The fest was highly acclaimed and much appreciated event where students from various colleges of the University of Delhi and other universities enthusiastically participated in several literary competitions like Spin a Tale, Open Mic, Literary Quiz, Wordsmith, Ink to Image, Literary Hunt etc. and won exciting prizes.

Dr. KRISHNAN UNNI P

Lectures/ Keynote Addresses Delivered.

1. Invited speaker at Institute of English, Thiruvananthapuram, Kerala University and delivered a lecture on *Re-reading Shakespeare in the light of New Historicism and Cultural Materialism* on 5 July, 2018.
2. A lecture at Devamatha College, Kuravilangadu of Mahatma Gandhi University , Kerala organized by Dept of English and Malayalam on *What is (are) World Literature ?* on July 10, 2018.
3. Invited speaker at C.M.S. College, Kottayam, Kerala to deliver a lecture on *Homo Sacer: The Sacrificial Body and the Question of the State* , organized by English Deptt on July 10, 2018.
4. Invited speaker at Manav Rachna University, Haryana . A lecture on *On Modernism and Modern English Literature* on August 24, 2018.
5. A special lecture at Puduchery University in two day national conference on *Subalterns in Knowledge* on September 29, 2018.
6. Keynote address at Achuthamenon Govt. College, Trissur, Kerala on *Post Truth and Associated Paradigms* on November 13, 2018.
7. Invited speaker at Trippunithura Govt. College to deliver a talk on *Faltered Sights and Dissolved Memories: Reading Trauma and Memory in Literature and Culture* on November 16, 2018.
8. Keynote address at Loyola College, Chennai in the two day national conference on *Protest Writings* on January 21, 2019.
9. Invited speaker at Madras University by Dept of English and delivered a lecture on *Trajectories of Contemporary Protests in Literature and Culture* on January 22, 2019.
10. Invited special speaker in the Refresher course in Malayalam organized by Malayalam Dept of Calicut University and delivered two lectures on *History of the Novel and Novel in History* on January 28, 2019.
11. Keynote address on *Body, Text and Performance* in the one day national conference of the same theme at Baselius College, Kottayam, Kerala organized by Dept of English on January 30, 2019.
12. Invited speaker at B.C.M. College , Kottayam , by the Dept of English and delivered a lecture on *From Postmodernism to Posthumanism* on January 30, 2019.
13. Keynote address at Govt. College, Manimalakunnu, Kottayam on *Human Rights and Literature* as part of the one day national conference organized by Dept of English on January 31, 2019.
14. Invited speaker at Ramlal Anand College, Delhi University and delivered a lecture on *Post-Cybernetic Age and Dissident Bodies* on March 5, 2019.
15. Invited speaker at Shyamal college, Delhi University , organized by Dept of English and delivered a talk on *Discourses of the Fantastic : Fantasy in Literature and in Arts* on March 12, 2019.

Achievements

1. Conferred Doctorate Degree from University of Delhi on the thesis *Discourses of Memory: Epistemologies in Conflict*

Academic Papers/ Articles Published

1. *Reimagining the Loss and Reinventing the Space: The Dialectics of European Melancholy in Abjection and Abandonment: Melancholy in Philosophy and Art* .Ed. Saitya Brata Das. New Delhi: Aakar Books, 2018.
2. *Grandhanasheekaranam: Nombaramanna Charitrattalukal* in Samakalika Malayalam Weekly , May 7, 2018. Pp. 44- 50
3. *Pareekshikkapedunna Puthiya Latin American Ezhuthu* in Samakalika Malayalam Weekly, September 24, 2018. Pp. 65-68.
4. *Theorizing Difference in Historiographic Metafiction: An Examination of Carlos Fuentes's Terra Nostra in English Studies in India*. Department of English, University of Kashmir.Vol.26, January 2018. [ISSN 0975-6574]. Pp. 1-12.
5. *Novalenna Kalapam* in Samakalika Malayalam Weekly, January 7, 2019. Pp.88-91.

Papers Presented

1. *Traumatic Spaces and Unmapped Geographies in Ghada Karmi's Return: A Palestine Memoir* in the three day International Conference on *Trauma Studies in Literature* organized by English Department, Kashmir University, Srinagar, 26-28, March, 2019.

Awards and Recognitions

1. Abu Dhabi Shakti award for the novel *Keralam : Oru Documenta* (Received the award on 29, October 2018 in Kochi from the Chief Minister of Kerala)
2. Yes Press Novel award for *Keralam: Oru Documenta* (Received the award on December 27, 2018 in Perumbavoor, Kerala)

Membership in Academic Bodies

1. Member to continue as the Indian representative in the **Memory- Studies Network** at Amsterdam extended till October 2019.
2. Selected as the Board of Studies member of Postgraduate studies in Mar Athanasius College, Kothamangalam, Keralam .

Dr. Vandna Mathur

Awarded Ph.D Degree by the Centre for English Studies, SL, Jawaharlal Nehru University, New Delhi at the Convocation held on 8th August, 2018.

Title of Thesis: Not Quite At Home: A Study of the House in Contemporary Indian English Fiction

Hindi Department

Hindi Department of Deshbandhu College is considered the best under-graduate department in India. Faculty members of this department are very Active in current Academic and Literary World. This Year

the Department has organized a seminar on the topic “Kaviyon ke Raam” under its Annual ‘Vineeta Agrawal Smriti Rachna Paath’ programme. The department also organized Antakshari Pratiyogita for students in which more than 10 teams from different colleges and universities of Delhi participated.

Academic activities of its faculty-members are listed below.

Dr. Bikram Singh

Published articles

1. ‘Jagdish Chandra Mathur ka Natya-chintan’, Anabhai Saancha (ISSN : 2347-84-54), January-June 2018.

Published Books

1. Vistaarmayataa aur Aalochana, ISBN: 978-81-9095-26-8.
2. Anakahi kahaaniyaan, ISBN: 978-93-82554-66-0.
3. Aachaarya ka Network, ISBN: 978-93-82553-88-5.
4. Jaluaa, ISBN: 978-93-82553-87-8.
5. Brahmapishaach, ISBN: 978-93-82554-98-1.
6. Muqadamaa aur Anya Kahaaniyaan, ISBN: 978-93-87145-75-7.

Dr. Sanjiv Kumar

Published Articles

1. Kahaaniyon me saarbhut Doodhnaath; *Pakshadhar* (ISSN : 2231-1173), Jan-Jun 2018.
2. Doodhnaath Singh ki kahaaniyaan: Parivartan aur Nirantarata; *Naya Path*, October 2017- March 2018.
3. Idhar ke Kahaanikaar; *Aajkal* (ISSN : 0971-8478), March 2018.
4. Kalai ke Paar Dekhane wali Teekhi Nazar’ (On Ravindra Kaaliya’s stories), *Banaas Jan* (ISSN : 2231-6558), May-December 2018.
5. Sangharsh Aur Ummeed ke Kahaanikaar: Bhairav Prasad Gupt *Naya Path*, Oct-Dec 2018.
6. ‘Hindi Ki Taaqat *Prabhaat Khabar* (Daily), 14/09/2018.

Published Books : 2018-19

1. *Hindi Kahaani ki Ikkeesavin sadi / Paath ke Paas : Paath se Pare*, (ISBN : 978-93-88753-51-7), 2019, Rajkamal Prakaashan, New Delhi.

Editor : 2018-19

1. *Aalochana, tri-monthly* (ISSN : 2231-6329), January-March 2019, Rajkamal Prakaashan, New Delhi.
2. *Nayaa Path* (tri-monthly) (Editorial Assistance since 2009), Janwadi Lekhak Sangh, New Delhi.

Lectures

- More than 20 lectures in National, University-level and local/Institutional Seminars and Conferences in 2018-2019.
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Dr. Lalit Mohan

Publications

1. Awadhaarna ki Saiddhantiki : Dalit Sahitya ke Pariprekshya mein
Journal: Wisdom Herald (ISSN 22311483); vol: ix, no.1, Jan-March 2018
2. Dalit Sahitya : Awadharanaatmak Vishleshan
Journal : Parisheelan (ISSN 09747222); vol:xiv, Jan-March 2018
3. Vaishvikaran : Sahitya aur Dalit Chintan
Journal: Univesal Review (ISSN 2277-2723); vol:ix, no.2, July-Dec 2018
4. Dalit Alochana aur Sahityik Parampara
Journal: Wisdom Herald (ISSN 22311483); vol-ix, no.4, Oct-Dec 2018
5. Dalit Sahitya ka Sahityashastra : Mulyaankn ki Kasauti
Journal: Parisheelan (ISSN 09747222);vol:xiv, no.4, Oct-Dec 2018

Dr. Bajrang Bihari Tiwari

A) Chapter in Books

Dalit Stree ka Andolan tatha Sahitya

In 'Dalit Sahitya: Samvedna ke Aayaam' Ed. By P Ravi & V G Gopalkrishnan,
By Vani Prakaashan, New Delhi,2019 (ISBN 978-93-88684-25-5)

B) Introduction of Books

1. Ibaaraten (Translated story-collection) written by Balijeet
By Notion Press, Chennai, 2019(ISBN 978-1-64429-958-6)

2.Ghar ki Saankal (Poetry- Collection) written by Harpaal
By Udbhavana Prakaashan, Ghaziabaad, 2018 (ISBN No. - 978-93-85428-52-4)

C) Article in Journals

1. 'Chunautiyon ke Sammukh Dalit Kavita' in Kavita Bihan : Srijan Chintan ka Naya Paksh; V01-2, Dec 2018
2. Writing a monthly column DALIT PRASHNA in 'Kathadesh' monthly since 2014.

Lectures

A) Keynote- addresses in National Seminars

1. Topic- Ikkiswin Sadi ki Chunautiyaan aur Hindi Kavita
Date-23 March, 2019
Organized by Hindi Department, S.I.E.S. Art, Science and Commerce College, Saayan (West) Mumbai-22
2. Topic- Chhayawad ke Sau Varsh: Punaraavlokan Evam Punarmulyaankan
on1Nov2018
Organized by Hindi Department, Gauhati University, Assam
3. Topic- Purvottar Bharat mein Hindi ki Sthiti
on22 Sep, 2018
Organized by Hindi Department, Buddh Bhanu Saraswati College, Shillong, Meghalaya
4. Topic- Hashiye ka Swar: Bhartiya Dalit Sahitya
On 14 April2018, Organized by Sahitya Academy, New Delhi.
5. Topic- Samkaleen Kavita ka Swarup evam Sandarbh
on9-11 January, 2018
Organized by Post-Graduate Hindi Department and Research Centre, Rajkiya Brennan College, Talachcheri, Keral.

B) Paper-presentation/ Chair/ Lectures in National Seminars

1. Bhartiya Dalit Sahityachi Taulnik Chikitsa
on23 Feb, 2018 Organized by Gurdev Tagore Taulnik Sahitya Sdhyasaan, Mumbai Vidyapeeth, Mumbai.
Chaired Session V
2. Topic- Madhya Yug mein Stree Lekhan ke Aadi Hastaakshar
on29-30 March, 2019 Organized by Hindi Deptt. Banaras Hindu University, Banaras.
3. Dalit Stree Kavita: Mudde Aur Rajniti
on13-15 March, 2019 Organized by English Department, Delhi University
4. Topic- Bhakti Sahitya: Lok aur Shastra
On4-5 March, 2019 Organized by Hindi Department, Deendayal Upadhyay Gorakhpur University, Gorakhpur
5. Topic- Bhati Andolan ke awasan ka Prashna aur Kabeer
On 13-14 Feb, 2019 Organized by Hindi Deptt. Shankaracharya Sanskrit University, Kaladi, Keral

Member- Editorial board of 'Hans' monthly (ISSN 2454-4450)

Lectures and Workshops

1. Conducted a workshop on the topic "Satirical literature in Hindi" for department of Oriental Studies in Adam Mickiewicz University in Poznan, Poland
2. Delivered a lecture in Adam Mickiewicz University in Poznan, Poland on the topic "Adhunik Kaal ka Lokpriya Hindi Sahitya"
3. Conducted a workshop on writings of Shreelaal Shukla in for department of Indology in University of Wroclaw, Poland.
4. Delivered a lecture in Uniwersytet Jagiellonski of Krakow, Poland on the topic "Modern Popular Literature in Hindi"

Publications

1. 'Ek Imaandar Zid' article in Kathadesh, April, 2019
2. Vibhaajan- Samvaad: Ek jaroori dastaavej in Aalochana, 2019
3. 'Shakti ki karo Maulik Kalpana' in Kathadesh, November 2018
4. 'Sahitya ki Chauhaddi' in Kathadesh, September 2019
5. 'Tarah tarah ke Visheshank' in Kathadesh, July 2019

Dr. Manoj Kumar Singh

PUBLICATIONS: BOOK

	BOOKS NAME	ISBN NO	PUBLISHER	YEAR
Editor	HAMARA JANTANTRA AUR MITHILESH SHRIVASTAV KI KAVITAYAIN	978-93-8160-909	SHILPAYAN	2018
Chapter in a book	HINDI AALOCHANA: VASTUVADI SAROKARON KI PEHCHAN			2019
Sub-editor	Jagadish Chandra Mathur Visheshank	ISSN-2347-8454	Anbhai Sancha, Delhi	January-June 2018

S.NO	LECTURES	PLACE	DATE
1	Govind Prasad ka Kavya Sansar	Jamia Millia Islamia, Delhi	2-4-2019
2	Nagarjun Ki Kabita aur Hamara Loktantra	Mahatma Hansraj Faculty Development Centre, MHRD,	

3	Bhakti Sahiya: Vaikalpik Samaaj ka Sapna	GOVT.OFINDIA. Sahitya Academy & DDU University, Gorakhpur	20-12-2018 5-3-2019
4	Samkaleen Kavita Shikshan	Central School, Janakpuri	26-12-2018
5	Govind Prasad aur Mithilesh Srivatav Ka Kavya- Sansar 6. Various Poetry Readings	Bhartiya Bhasha Kendra, JNU, Delhi	30-10-2018

Dr. Navita Chaudhary

Published Book

1. Uttar Adhunik Kahani aur Vikhandit Manavtavaad (Co-written with Prof. Prem Singh & Prof. Chandrakala), ISBN : 978-93-8611-59-7, 2018, Natraj Prakashan, New Delhi.

Chhotu Ram Meena

1. Passport ki Kahaani (Book-Review), Vad Samvad (tri-monthly) Vol-17,2018,ISSN: 2348-8662.
2. “Pichhde Samaj mein Shiksha ka Mahatva” , Lecture in Ra U Pra. Utkrishta Vidyalaya Daulatpura, Jaipur, Rajasthan; under the programme ‘Pay Back to Society’ on 12 January, 201
4. “Yatra Sahitya ki Prampara Aur KrishnaNath” Lecture under Kadiyaan Series JNU, New Delhi; 5 April, 2019.

Department Of Mathematics

Aiming to provide an intense training on teaching mathematics at undergraduate level, a six days **Teacher's Enrichment Workshop on Differential Equations, Mathematical Modelling and Analysis (DEMMA)** was conducted during 24th-29th July, 2018. The workshop was fully supported by National Centre for Mathematics (NCM) [A joint centre of IIT Bombay and TIFR, Mumbai]. The conveners of the event were Prof. Abhay Bhatt (ISI, Delhi) & Mrs. Harindri Chaudhary. A large number of enthusiastic college teachers and scholars from 24 colleges of University of Delhi and NCR Universities participated in the workshop. Eminent speakers from reputed institutes like IITs, ISI, DU and DTU graced the occasion. Series of lectures, tutorials and lab sessions on DEMMA were conducted. An important component of the workshop was the interactive session during which teachers had an opportunity to discuss their conceptual doubts with the invited speakers.

Resource Persons of the Workshop:

Prof. I. K. Rana (IIT, Bombay)

Dr. Tanvi Jain (ISI, Delhi)

Prof. V. D. Sharma (IIT, Bombay)

Prof. Mani Mehra (IIT Delhi)

Dr. Vivek (DTU)

Dr. Mukund Madhav Mishra (Hansraj College, University of Delhi)

With the objective of developing a holistic approach to mathematics & thinking beyond the curriculum, Department invited two Eminent Mathematicians of international repute to interact with the students & faculty under the aegis of Mathematics Lecture Series Program.

Prof. Prof. H.G. Dales, Lancaster University, United Kingdom delivered a talk on “**Independence of Continuum Hypothesis**” on December 5, 2018.

Prof. Alex Haro, Department of Mathematics & Computing, University of Barcelona, Spain, delivered an interactive lecture on “**Mathematics of Space Missions**” on January 14, 2019.

'KSHITIJ' - Mathematics Society organised its annual festival "**Samuchyam 2019**" on 13th-14th March, 2019. The event was inaugurated by Prof. Ayub Khan (Prof. in Mathematics, JMI University, New Delhi) presently, Pro-Vice Chancellor, Maulana Azad National Urdu University, Hyderabad.

Faculty Achievements

DINESH KUMAR

Email: dineshk8392@gmail.com

List of Publications:

1. **Dinesh Kumar**, Bhavneet Kaur, Shipra Chauhan and Vinay Kumar, Robe's restricted three-body problem when one of the primaries is a finite straight segment, *International Journal of Non-Linear Mechanics*, **109**: 182-188, (2019).
2. Shipra Chauhan, **Dinesh Kumar** and Bhavneet Kaur, Restricted three-body problem under the effect of Albedo when smaller primary is a finite straight segment, *Applications and Applied Mathematics: An International Journal*, **13**(2): 1200-1215, (2018).

Paper Presented In Conferences:

1. Presented a paper entitled "Unveiling the effect of perturbations in the Robe-Finite Straight Segment" in the International Conference on Physics, Society and Technology 2019 (ICPST-2019), January 17-19, 2019.

Workshop/Seminar Attended:

- Participated in the International Conference on Bhartiya Women Past, Present and Future, organized by Shaikshik Foundation in association with Deshbandhu College, University of Delhi held on February 23-24, 2019.
- Participated in the National Research Scholars' Seminar, organized by the Department of Mathematics, University of Delhi held on December 28, 2018.
- Participated and worked as an active member of organizing committee in the six-day "**Teacher's Enrichment Workshop on Differential Equations, Mathematical Modeling & Analysis**" organized by National Centre for Mathematics (A joint centre of TIFR and IIT Bombay) held at Deshbandhu College, University of Delhi during July 24-29, 2018.

Shipra Chauhan

Research Publications

- Dinesh Kumar, Bhavneet Kaur, Shipra Chauhan and Vinay Kumar, *Robe's Restricted three-body problem when one of the primaries is a finite straight segment*, *International Journal of Non-Linear Mechanics*, 109: 182–188, (2019).
- Shipra Chauhan, Dinesh Kumar and Bhavneet Kaur, *Restricted three-body Problem under the effect of Albedo when smaller primary is a finite straight segment*, *Applications and Applied Mathematics: An International Journal*, 13(2): 1200–1215, (2018).

Paper Presentations in Seminar/ Workshops:

- Jan 17-19, 2019: "A study of Perturbed Photo gravitational Restricted Three-Body Problem under the Effect of Albedo" in the International Conference on Physics, Society and Technology-2019 (ICPST-2019), organized by Department of Physics and IQAC, Deshbandhu College, *University of Delhi, Delhi*.
- June 01 – 03, 2018: "Restricted Three-Body Problem under the Effect of Albedo when Smaller Primary is a Finite Straight Segment" in the Annual Conference, Ramanujan Mathematical Society, *Department of Mathematics, University of Delhi, Delhi*.

Participation in Seminar/ Workshops:

- Feb 23–24, 2019: International Conference on Bhartiya Women Past, Present and Future, *Shaikshik Foundation in association with Deshbandhu College, University of Delhi, Delhi*.
- Jan 17–19, 2019: International Conference on Physics, Society and Technology-2019 (ICPST-2019), *Deshbandhu College, University of Delhi, Delhi*.
- Dec 28, 2018: National Research Scholars' Seminar, *Department of Mathematics, University of Delhi, Delhi*.
- Sep 22–26, 2018: Interdisciplinary Faculty Development Programme on "Effective Teaching and Learning Practice", *Shyama Prasad Mukherjee College for Women, University of Delhi, Delhi*.
- July 24–29, 2018: National Centre for Mathematics (A joint centre of TIFR and IIT Bombay), Teacher's Enrichment Workshop on "Differential Equations, Mathematical Modelling and analysis", *Department of Mathematics, Deshbandhu College, University of Delhi, Delhi*.
- June 01–03, 2018: The Annual Conference, Ramanujan Mathematical Society, *Department of Mathematics, University of Delhi*.

Bhagwat Sharan

List of Publications

- Meena Sahai and **Bhagwat Sharan**. On Lie nilpotent modular group algebras, *Communications in Algebra*. Vol. 46, No.3, 1199-1206 (2018). <https://doi.org/10.1080/00927872.2017.1339059>
- Meena Sahai and **Bhagwat Sharan**. Modular group algebras of Lie nilpotency index $8p - 6$, *Asian-European Journal of Mathematics*, Vol. 11, No.3, 1850039 (11pp) (2018). <https://doi.org/10.1142/S1793557118500390>
- 3 Meena Sahai and **Bhagwat Sharan** A note on the upper Lie nilpotency index of a group algebra, *Asian-European Journal of Mathematics*, (2018). <https://doi.org/10.1142/S17935571205000102>
- 4 Meena Sahai and **Bhagwat Sharan**. A note on Lie nilpotent group algebras, *Journal of Algebra and Its Application*, Vol. 18, 1950163 (12 pp), (2019). <https://doi.org/10.1142/S0219498819501639>

Workshops/ Seminar/ ATM School/ GIAN

1. Attended National workshop on **Latex and Allied topics**, Human Research Development Centre, University of Lucknow, October 27- November 02, 2015.
2. Attended and presented a paper entitled "On Lie nilpotent modular group algebras" in 2nd International Conference of Vijnana Parishad of India on Recent Trends of Computing in Mathematics, Statistics & Information Technologies", Bundelkhand University, Jhansi, March 09-11, 2018

3. Attended and presented a paper entitled "Modular group algebras of Lie nilpotency index $8p-6$ " in National Conference on "Recent Advances in Pure and Applied Mathematics" Madan Mohan Malaviya University of Technology, Gorakhpur, April 12-13, 2018.
4. Participated in the Advanced Instructional School on "Lie Algebras" at **Harish-Chandra Research Institute, Allahabad**, December 10 -29, 2018.

Om Prakash Meena

Email: opmeenamcj@gmail.com

Workshop/Seminar Attended:

1. Participated in the 'International Conference' on "Bhartiya Women Past, Present, Future" organized by "Shaikshik Foundation on Association with Deshbandhu College," University of Delhi, on 23-24 February, 2019
2. Worked as 'Member Organizing Committee' also Attended & Participated as an Active Member , in Three Day "International Conference on Physics, Society and Technology-2019" Organized By "Department of Physics, Deshbandhu College, University Of Delhi. (January 17-19, 2019)
3. Worked as Member, Organizing Committee and participated in six days Teacher's Enrichment Workshop (TEW) on Differential Equations, Mathematical Modeling and Analysis (DEMMA) held jointly by National Centre for Mathematics and Deshbandhu College, University of Delhi on 24th -29th July, 2018.
4. Participated in the "National Research Scholar's Seminar" Organized by the Department of Mathematics, University of Delhi, on 28 December, 2018.
5. Worked as volunteer in the " International Conference on Topology and Geometry" organized by Department of Mathematics, University of Delhi, During November 23-24, 2017.

Dr. CHIRAG GARG

Email: garg88chirag@gmail.com

List of Publications:

1. R.K. Sharma, B. Dhara, V. De Filippis, **C. Garg**, “A result concerning nilpotent values with generalized skew derivations on Lie ideals”, *Communications in Algebra*, 46, (2018), 5330-5341.
2. B. Dhara, **C. Garg**, R. K. Sharma, “An identity on generalized derivations involving multilinear polynomials in prime rings”, to appear in *Proceedings-Mathematical Sciences*, (2019).
3. R. K. Sharma, B. Dhara and **C. Garg**, “A result concerning generalized derivations on multilinear polynomials in prime rings”, to appear in *Rendiconti del Circolo Matematico di Palermo*, (2018).
4. **C. Garg**, V.K. Yadav and R.K. Sharma, “A note on generalized (α, β) -Derivation”, to appear in *Southeast Asian Bull. Math. J.*, (2017).
5. **C. Garg** and R. K. Sharma, “A note on annihilator conditions in prime Rings”, *Rendiconti del Circolo Matematico di Palermo*, 67, (2018), 197-204.
6. **C. Garg** and R. K. Sharma, “On generalized (α, β) -derivations in prime Rings”, *Rendiconti del Circolo Matematico di Palermo*, 65, (2015), 175-184.
7. **C. Garg** and R. K. Sharma, “Annihilators of Power Values of Generalized Skew Derivations on Lie Ideals in Prime Rings”, under review in *Communications in Algebra*, 2019.

Paper Presented in Conferences:

1. Presented paper entitled “Multiplicative (generalized) (α, β) -derivations in prime and semiprime rings” in the *International conference on Applied Physics and Mathematics* held during January 13-14, 2016 Singapore.
2. Presented paper entitled “On commutativity of prime rings with generalized $(1, \theta)$ -Derivations” in the *International conference on Semigroups Algebras and Applications* held during September 17-19, 2015 at Cochin University of Science and Technology, Kerala.

Workshops/Seminars Attended:

1. Attended conference *National Conference on Advances in Mathematics* held during March 7-8, 2014 at Hansraj College, University of Delhi.
2. Attended conference *International Conference on Algebra and its Applications* held during November 12-14, 2016 at Department of Mathematics, Aligarh Muslim University.

Dr Rajiv Aggarwal (Principal) :

1. MdSanamSuraj, Md. Chand Asiq, Amit Mittal, Rajiv Aggarwal (2019):Divulging the effect of small perturbations in the Coriolis and centrifugal forces in the photogravitational version of autonomous restricted four-body problem with oblate primary, *Astronomische Nachrichten*. (Accepted)
2. MdSanamSuraj, Amit Mittal, Rajiv Aggarwal (2019): Revealing the existence and stability of equilibrium points in the circular autonomous restricted four-body problem with variable mass, *New Astronomy*, Elsevier, **68**, 1-9.
3. Euaggelos, E. Zotos, MdSanamSuraj, Amit Mittal, Rajiv Aggarwal (2019): On the convergence dynamics of the Sitnikov problem with non-spherical primaries, *International Journal of Applied and Computational Mathematics*, Springer.
4. Euaggelos, E. Zotos, MdSanamSuraj, Amit Mittal, Rajiv Aggarwal (2019): On the convergence dynamics of the Sitnikov problem with non-spherical primaries, *International Journal of Applied and Computational Mathematics*, Springer International Publishing.
5. MdSanamSuraj, PrachiSachan, Euaggelos, E. Zotos, Amit Mittal, Rajiv Aggarwal (2019): On the Newton-Raphson basins of convergence associated with the libration points in the axisymmetric restricted five-body problem: the concave configuration, *International Journal of Non-Linear Mechanics*. Elsevier, <https://doi.org/10.1016/j.ijnonlinmec.2019.02.013>.
6. MdSanamSuraj, Euaggelos E. Zotos, Rajiv Aggarwal, Amit Mittal (2019): Unveiling the basins of convergence in the pseudo-Newtonian planar circular restricted four-body problem, *New Astronomy*, Elsevier, **66**, 52-67. <https://doi.org/10.1016/j.newast.2018.07.009>
7. MdSanamSuraj, PrachiSachan, Rajiv Aggarwal, Amit Mittal (2019): The effect of small perturbations in the Coriolis and centrifugal forces in the axisymmetric restricted five-body problem. *Astrophysics and Space. Sci.*, **accepted**, Springer International Publishing. DOI: 10.1007/s10509-019-3528-x
8. MdSanamSuraj, Elbaz I. Abouelmagd, Rajiv Aggarwal, Amit Mittal (2019): The analysis of Restricted five-body problem within frame of variable mass, *New Astronomy*, Elsevier, **70**, 12-21. <https://doi.org/10.1016/j.newast.2019.01.002>
9. MdSanamSuraj, Md Chand Asique, Rajiv Aggarwal (2019): On the restricted four-body problem when primaries are triaxial rigid body. *Astronomical and Astrophysical Transactions*, **31**(1), 2019.
10. MdSanamSuraj, PrachiSachan, Euaggelos, E. Zotos, Amit Mittal, Rajiv Aggarwal: On the fractal basins of convergence of the libration points in the axisymmetric five-body problem: the convex configuration. *International Journals of Nonlinear Mechanics*, Elsevier, **109**, 80-106.
11. MdSanamSuraj, Euaggelos E. Zotos, Amit Mittal, Rajiv Aggarwal (2019): Unveiling the basins of convergence in the pseudo-Newtonian planar circular Restricted four-body problem. *New Astronomy*, Elsevier, **66**, 52-67,
12. MdSanamSuraj, Amit Mittal, Rajiv Aggarwal (2019): Revealing the existence and stability of equilibrium points in the circular autonomous restricted four-body problem with variable mass, *New Astronomy*, - Elsevier, **68**, 1-9

Conferences and Seminars

Participated and presented a paper entitled “On the basins of convergence of the libration point in the axisymmetric restricted five-body problem: Convex case” in the XXXth General Assembly of the International Astronomical Union. (20-31 August, 2018), Vienna, Austria..

Membership of other professional societies

Individual member, International astronomical Union (IAU). Since August, 2019.

Department of Physics

Brief report of the Scientific Event

INTERNATIONAL CONFERENCE ON PHYSICS, SOCIETY AND TECHNOLOGY-2019 (ICPST-2019)

Department of Physics, Deshbandhu College, University of Delhi, Kalkaji, New Delhi organized **INTERNATIONAL CONFERENCE ON PHYSICS, SOCIETY AND TECHNOLOGY-2019 (ICPST-2019)** at the University Conference Hall, University of Delhi, Delhi-110007, India from 17-19 January, 2019. Dr. Rajiv Aggarwal, Principal Deshbandhu College and Patron of the conference said that this is the first International Conference being organized by Deshbandhu College and has attracted more than 200 participants from across the world including United Kingdom, Germany, Spain, Egypt, Kazakhstan, Belarus and from different parts of the country. Dr. Partha Goswami and Mr. Ajay Pratap Singh Gahlot, Conveners ICPST 2019 informed that the conference aims to bring together Physicists, Young budding researchers, Students, Corporate world stalwarts and Environmentalists to provide an excellent meeting place for exchange of ideas leading to emergence of novel research and products which will be beneficial to students in particular and society at large. The conference was witness 15 keynote and 33 invited talks by stalwarts in different fields, 76 oral and 115 poster presentations of contributed research papers, respectively. The conference was planned to deliberate on the theoretical, experimental and applied aspects of Physics, Physics-Technology-Industry Connect, Physics Education, Physics-Society Connect and Environment conservation.

A brief description of day to day activities:

Day 1 started with the inauguration with a melodious recitation of saraswati vandana & traditional lighting of lamp by Prof. Enakshi Sharma, Chairperson, Governing Body, Deshbandhu College, Prof. Sanjay Jain, Head Department Physics & Astrophysics, Delhi University, Prof. Vinay Gupta, Dean Examination, Delhi University, Dr. Rajiv Aggarwal, Principal, Deshbandhu College, Dr. Partha Goswami & Mr. Ajay Pratap Singh Gahlot, Convenor, ICPST 2019. The guests were felicitated with plant saplings to promote environmental conservation. This was followed by the release of the book of abstracts of ICPST 2019 by all the dignitaries. Dr. Partha Goswami convenor ICPST 2019 opened the conference. This was followed by an introduction of the College & Department of Physics by the patron of ICPST 2019. Dr. Rajiv Aggarwal, an address by Prof. Enakshi Sharma, chief patron ICPST2019 who elaborated upon the relevance and importance of the different topics covered in the conference like different aspects of Physics its connect with the industries and society, Physics education and environmental conservation. Guest of honour Dr. Pramod Kumar, Registrar Jawaharlal Nehru University delivered the inaugural address and thanked the organisers for inviting him and expressed his satisfaction on the choice of the theme of the conference. He said that themes like this provides meaningful stimuli to the overall development of the society and hence is the need of the hour. Distinguished guest Prof. Sanjay Jain congratulated the department of Physics Deshbandhu College, for organising an international conference on very topics of Physics with special emphasis on the relevance of physics in technological

advancements and society upliftment. He also briefed the gathering about university Department of Physics and Astrophysics which started in 1922. He also apprised the gathering that the university department has been ranked as the top Physics department in the country by WORLD QS RANKING. Distinguished guest Prof. Vinay Gupta delved upon the three key aspects of the conference PHYSICS, TECHNOLOGY & SOCIETY. He touched upon the journey that research takes from pure science to its technological applications to its relevance and usefulness for society which is central to the ultimate advancement of society. He commented that large participation of experts from different fields of physics shows the true success of the conference and its appeal to a wider audience. He also touched upon the need to be extremely vigilant about the evil of plagiarism in research publication. The session ended with a vote of thanks by Mr. Ajay Pratap Singh Gahlot, convenor ICPST2019. The first day of the conference consisted of two invited sessions where distinguished and eminent experts from different fields and different parts of the world enlightened the participants and gathering with their new research and knowledge. The conference has attracted a large participation from the international research community covering different aspects of the conference. The main topics touched upon on day one were Complex Networks, Nanotechnology, Cosmology, Soft Materials, Celestial Mechanics, Super Capacitors, Black Holes, Physics and Society, Glaciers, Non-linear Dynamics, Accelerator Physics and Physics Education. The first day of the conference concluded with 3 parallel oral sessions with around 30 presentations and 2 poster sessions with around 60 presentations.

Day 2 of the ICPST-2019 saw a galaxy of eminent Scientists, Physicists and Researchers from different parts of the country and outside India present overview picture of the latest developments as well as their specific researches. In all there were 3 invited sessions, 4 oral presentation sessions and 2 poster presentation sessions. The works presented included works being carried out in top research institutes and Universities of the country like Delhi University, The European Organization for Nuclear Research (CERN), National Physical Laboratory, Indian Space Research Organization, Defense Research and Development Organization, Jawaharlal Nehru University, Jamia Milia Islamia, Birla Institute of Technology Pilani and MTI University Egypt. A wide gamut of topics were covered including Trajectory models for satellite launches, Topological Insulators, Metamaterial Hybrid Systems, Magnetic Nanostructures, Standard Model Higgs Bosons, Exotic Nuclear Structures, Quantum Well LED's, Non-linear Oscillators, Solar Cells, Sensors, Wetlands and waste water treatment, Graphene based devices, Cosmology, High Energy Physics, Electro-optic Modulators, Modelling Studies, Chaos theory and Non-linear Dynamics and Quantum Dots. There were a total of 7 keynote speakers, 18 invited speakers, 29 oral presentations and 60 poster presentations today. The programme concluded with an enthralling folk music and dance and Kathak dance performance as part of the cultural evening. The day ended with a Gala dinner for all the international and national dignitaries and participants.

Day 3 of the ICPST-2019 saw leading Theoretical and Experimental Physicists, Environmentalists, Ecologists, Mathematical Modeling Scientists, High Energy Physicists, Accelerator Physicists, Cosmologists, High-energy Physicists, Particle Physicists and Researchers, from different parts of the world and from within the country, share their knowledge and insight of the latest developments in their fields and highlight their research. There were 2 invited sessions, 3 oral presentation sessions and the valedictory session. The themes covered in these sessions included works being carried out in top research institutes and Universities like University of Barcelona Spain, Delhi University, National

Physical Laboratory, National Council of Educational Research and Training, University of Kashmir and Jamia Millia Islamia. Diverse topics covering Mathematical Modeling, Astronomy-Archaeology linkages, Accelerator Physics, High Energy Physics, Ecological Conservation through Ecosystem Management, Information and Communication Technology mediated Pedagogy, Quantum Computing, Cosmology, Chaos theory and Non-linear Dynamics. There were a total of 2 keynote speakers, 7 invited speakers and 18 oral presentations today. The grand finale of the 3-day International Conference on Physics, Society and Technology was the valedictory session chaired by Prof. Vinay Gupta, Dean Examination, University of Delhi who gave the valedictory address. He appreciated the tremendous effort put in by the entire organizing team of ICSPT-2019 especially Department of Physics, Deshbandhu College for organizing an international conference on such a large scale despite being a College Department. She congratulated Dr. Rajiv Aggarwal, Principal Deshbandhu College for his painstaking and untiring efforts in putting together this conference and making it a grand success. Dr. Partha Goswami Convener ICPST-2019 gave the concluding remarks for the 3-day conference and elaborated on the large-scale participation of the Scientific Community both international and national and broad areas touched upon in this conference. Dr. Rajiv Aggarwal, Patron ICPST-2019 remarked that the stupendous success of this conference was an outcome of collective team work of not only Physics Department but the entire college and said that this conference has given a big boost to the research environment of the college through interaction with top researchers from across the world. The vote of thanks was proposed by Mr. Ajay Pratap Singh Gahlot, Convener ICPST-2019.

Department of Philosophy

1. 08/08/2018- **Indian Philosopher's Day** was celebrated by the department to commemorate the birth anniversary of Adi Guru Shankaracharya amongst the eminent Philosophers like **Prof S R Bhatt**, Chairman ICPR, **Prof Aditya Ku Mohanty**, Tripura University, **Prof Bala Ganapathy & Prof H S Prasad** from University of Delhi and **Dr Omprakash Pandey**, former scientist NASA.
2. 11/01/2019- A talk on '**Iqbal and Kirkegard on consciousness**' was delivered by **Prof Abraham H Khan**, Professor and Graduate, Director, Faculty of Divinity, Trinity College, University of Toronto.
3. 30/01/2019 -A workshop on '**Gandhi and Peace**' was conducted by the Department under the stewardship of **Dr Suman Khanna Aggarwal**, retd prof Delhi University, Deptt of Philosophy, a Gandhian Scholar on the eve of the martyr's day 30/01/2019 at Deshbandhu College
4. 09/03/2019-A visit to '**Guru Vishram Bruddh Ashram**' was organized to sensitize our young generation on the growing problem of self-centeredness and disconnection between parent-children in Society.

Dr Subasini Barik,

Delivered a talk on '**Buddhist Ethics**' at Electronic Media Production Centre, IGNOU, Maidan Garhi, New Delhi on 02/05/2018.

1. Organized '**Indian Philosopher's Day**' in collaboration with Indian Council of Philosophical Research, New Delhi in College on 08/08/2018.
2. Delivered a talk on "**Diversity in Hinduism**" to the Iranian Delegates in a work shop on 'Hinduism' at Jamia Milia and Islamia University, New Delhi on 31/08/18.
3. Worked as a **Subject Matter Expert** on '**Reasoning Skill**' in a National Workshop held by TCS, Mumbai during 05/02/2019 -- 10/02/2019.
4. Delivered a talk on '**Mahavakya: A Philosophical Analysis**' at National seminar of '**Multidimensional aspects of Sanskrit and larger world**' at Jamia Milia and Islamia University, New Delhi on 16/02/2019.

Political Science Department

Seema Narain

"Gender in international relations" *Global Affairs* Volume 3, 2017 - Issue 4-5 Pages 421-430 Published online: 23 Apr 2018

Punjabi Department

Department of Punjabi organized a Personality Seminar on Sahitya Academy Awardee Poet **Mohanjit** on 1st March 2019.

Punjabi students **ShaziaTofiq & Boota Singh** were awarded 1st position in SAU SAWAL (Inter College Punjabi Quiz Programme) held at Dyal Singh College, Delhi University.

ShaziaTofiq also got Third prize in Punjabi Calligraphy Competition held at Sri Guru Nanak Dev Khalsa College, Delhi University.

Sanskrit Department

Dr. RAJVIR SHASTRI

Attended a workshop / seminar under the title "Uchcha Shiksha Mein Takniki Shabdawalika Nirmanevam Prayog" in Shyama Prasad Mukherjee College, University Of Delhi, organised by Govt. of India, Ministry of Human Resource development and Department of Higher Education under Commission for Scientific and technical terminology on 29-30 October 2018

Presented paper on "Vedic Vangmaymein Ashram Vyavastha" in a two day national seminar under the title "Sanskrit Vangmaymeinshastriyeparamparaaur Lokjiwan" organised by the combined efforts of Shyama Prasad Mukherjee mahilamahavidyalaya, Delhi University and Rashtriye Sanskrit Sansthan, Delhi on 11-12 January 2019

Dr. ANAND KUMAR

PAPERS PRESENTED :Upanishad va Gita kesandarbhameinS aundarnanda Mahakavya

Two Days International Conference, Organised by Post Graduate Teaching Department of Sanskrit, RashtrasantTukadojiMaharaj Nagpur University, In collaboration with Department of Darshan, KavikulguruKalidas Sanskrit Vishwavidyalaya, Ramteak and Indian Council of Philosophical Research, New Delhi.

Dr. SARVENDRA KUMAR

PAPER PUBLISHED: Vedic VangmayaevamParyavaranaSanrakshana in a book 'VartamanshikshaaurVeda', October, 2018, ISBN No. 978-81-217-0339-0

RajnaatikBhrashtacharkeNidan me SmritiyonkaYogdan in an International Refereed Journal 'Indraprastha Review' ISSN No. 2394-563X

Vartaman Jan-Jivan me Sanskrit VangmaykiUpadeyata in an International Refereed Journal 'Abhishechanam' ISSN No.2320-4184

PAPER PRESENTATION: Presented a paper on 'Vedic VangmayaevamParyavaranaSamrakshana' in an International Research Seminar on VartamanShikshaaur Veda by P.G.D.A.V. College (Eve.), 27-28 October, 2018.

Presented a Paper on 'RajnaatikBhrashtacharkeNidaan me SmritiyonkaYogdan' in a two day National Seminar on Sanskrit Vangmay me ShastriyaParamparaaurLokjivan in S.P.M. College, University of Delhi, 11-12 January, 2019 PARTICIPATIONS:

Participation in National Workshop on 'UchchaShiksha me TaknikiShabdavalikaNirmanevamPrayoga' organized by Commission for Scientific and Technical Terminology in S.P.M. College, University of Delhi, 29-30 October, 2018.

Participated in an Orientation Programme and obtained Grade 'A' by UGC H.R.D.C. and JamiaMilliaIslamia, New Delhi from 12 February to 12 March 2019. AWARDS:

RashtriyaSahityaShiromaniSamman by Indraprastha Reviewers Guild and AbhishekPrakashan on 6th January, 2019.

Dr. MUKESH KUMAR MISHRA

BOOK

Poorvavarti Kavyashastriya Avadharanaaien Tatha Srimgaraprakasa ISBN: 978-81-7110-462-8

Edition: Year 2018

Parimal Publications, Delhi.

RESEARCH PAPER

Kavya-Prayojan:Acharyatraya(Pt.RewaPrasad Dwivedi,

Prof. RadhavallabhTripathiEvam, Prof. Rajendra Mishra) kiDrishti Mein

ShodhDrishti, ISSN: 0976-6650

Vol. 9, No. 11, June, 2018, Page No. 23-28.

PAPERS PRESENTED:

I. RigvedicDharmva Darshanka Vaishishtya

Two Days International Conference, Organised by Post Graduate Teaching Department of Sanskrit, RashtrasantTukadojiMaharaj Nagpur University, in collaboration with Department of Darshan, KavikulguruKalidas Sanskrit Vishwavidyalaya, Ramteak and Indian Council of Philosophical Research, New Delhi.

II. Panchtantraaur Shuksaptatika Vaishvik Paridrishya

Two Days National Seminar, Jointly Organised by Department of Sanskrit, Ramjas College, Delhi and Rashtriya Sanskrit Sansthan, New Delhi.

PARTICIPATION: International Conference, Organised by Shaikshik Foundation in association with Deshbandhu College, Delhi University (23-24 February, 2019).

Dr. DEVENDRA SINGH RAJPUT

Submitted doctoral thesis and awarded the degree on March 14th, 2019.

Multidimensional online accessing system for science and technology manuscripts of Sanskrit (OMACS) has been developed under the R & D of doctoral research which is available on following link: <http://sanskrit.jnu.ac.in/omacs/index.jsp>

Research Paper Publications:

- Rajput, Devendra Singh, *Aadhunik Vigyaan, Taa Darshanevam Advait Vedantmein Supreme Will evam Free Will ki Avadhaarna*, Shodha-Prabha (A Refereed Quarterly Research Journal), January 2018, ISSN - 0974-8946, UGC Journal No. 40960.

CONFERENCES, SEMINARS PARTICIPATED:

- Member organizing committee, International Conference on Physics, Society and Technology (ICPST - 2019), organized by Dept. of Physics & IQAC, Deshbandhu College, University of Delhi, January 17-19, 2019.
- National Seminar on ‘Shri Ram Janmbhoomi Movement and National Resurgence’ organized by Arundhati Vashishtha Anusandhan Peeth, February 9th, 2019 in Delhi.
- International Conference on ‘Bhartiya Women: Past, Present and Future’, organized by Shaikshik Foundation, Deshbandhu College (DU) and Chaudhary Bansi Lal University, Harayana, NDMC Convention Centre, New Delhi, 23-24 February 2019.
- International Conference on ‘Sanskrit and Other Indian Languages - Technology (SOIL-Tech)’, Convention Center, Jawaharlal Nehru University, New Delhi, 15-17 February 2019.

Department of Zoology

NATIONAL SYMPOSIUM

Department of Zoology organized “Fourth National symposium: Environment: Green Technology on Environment Sustainability” on 25th September 2018 at Deshbandhu College, University of Delhi. Dr. Sunil Kayesth was the Coordinator for the symposium.

CHIMAERA-2019

The Zoological Society, organized its annual festival “Chimaera-19” on March 14 and 15, 2019 with the enthusiastic participation of the students from different Colleges of the University of Delhi and other universities in NCR. Many competitive events were organized which witnessed the active and enthralling participation of the students. Dr. Manisha Sengar was the staff advisor for the annual festival.

EXCURSION TOUR

1. The Department of Zoology organized an excursion to Goa, from December 24, 2018 to January 01, 2019 with an aim to explore the marine biology of west coast for the students of B. Sc. (H) Zoology. The tour was accompanied by Dr. Sunil Kayesth, Dr. Moses Rinchui N., Mr. Mohd Shazad, Dr. Ritu Mishra, students of B.Sc. (H) Zoology. Goa is known for marine biodiversity. The other objectives of this five day’s tour were to understand the cultural heritage of Goa, pollution in the sea water and environment as well.
2. Department of Zoology organized an excursion tour to Nainital from Feb 28 to March 3, 2019. The purpose of the tour was to study Himalayan biodiversity and high altitude ecology. A group of 28 students accompanied with Dr. Kamal Kumar Gupta, Dr. Manisha Sengar and Dr. Gouri visited Nainital and surrounding areas (29.3803° N, 79.4636° E, Altitude 2084 m). The student observed the avian and insect faunal peculiarity and floral diversity of the region. The student also visited Bhimtal, Naukuchiatal and Sattal to study high altitude lake ecosystem and trout breeding.

LOCAL FIELD TRIPS

1. Organized one-day field visit to Aravalli Biodiversity park on September 29, 2018 with B.Sc.(H) Zoology V Semester. Dr. Ritu Mishra Coordinated the field visit.
2. Organized one-day field trip to Sultanpur Bird Sanctuary, Haryana on October 27, 2018 with B.Sc.(H) Zoology I semester to study the diversity of migratory and resident birds. The visit was coordinated by Dr. Sandhya Rai.
3. The student of Life Sciences fifth semester, Deshbandhu College visited Biotechnology Research Laboratory, TERI University, Vasant Kunj, New Delhi on 31st October 2018. Dr. Kiran Bala coordinated the visit.

ACADEMIC TALK

1. Dr. Veeranoot Nissapatorn, School of Allied Health Sciences, Research Excellence Center for Innovation and Health Products (RECIHP), Walailak University, Thailand delivered a talk on topic “Plant and Pathogen” on December 15, 2019 at Department of Zoology, Deshbandhu College. Dr. Sunil Kayesth was the Coordinator for the talk.
2. Workshop on the “Tuberculosis Awareness” conducted by the department on February 19, 2019. Dr. Ashwani Khanna, state TB officer and Dr. Amitava Sen Gupta, Chest Specialist, MCD Chest Clinic were the resource person Dr. Sunil Kayesth was the Coordinator for the workshop.

Dr. RANJANA SETH

Paper published:

Seth R. K., Vimal N., Sengupta M., Angmo N., Dhal M. K. and Seth Ranjana. 2018. Coupling biorational tactics with radio-genetic F₁ sterility technique for an effective integrated pest management against lepidopteran insects. *Int J Zoo Animal Biol.* 1(4): 000120.

Papers presented in International Conferences

Seth, R.K. Vimal, N., Sengupta, M., Angmo, N., Dhal, M.K. and Seth, Ranjana. 2018. Biorational molecules with F1 sterility technique for suppression of Lepidopteran insects: Synergy for enhanced efficacy of Radio-genetic control tactic. In : National conference on Chemistry for Human Health and Environment (CHHE), organized by Green Chemistry Network Centre (GCNC), University of Delhi & Royal society of chemistry (RSC), London North India section in collaboration with National Environmental Science Academy, Delhi (15-16 December, 2018). *Awarded first prize for poster presentation*

Dr. KAMAL KUMAR GUPTA

Paper published

1. Mishra M., Gupta K.K., and Kumar S. 2019. Diminished activity of midgut enzymes in *Helicoverpa armigera* Hübner (Lepidoptera; Noctuidae) larvae induced by dietary stem extracts of *Thevetia neriifolia*. Journal of Lepidopterist's Society. In Press
2. Gupta K. K., Mohd Shazad and Shailendra Kumar. 2019. Relevance of the Prolonged First Mating in Reproductive Bioactivities of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). Polish Journal of Entomology 88(1): 63-77. DOI: 10.2478/pjen-2019-0005
3. Kayesth S., Shailendra Kumar, Mohd Shazad and Gupta K. K. 2019. Effects of *Ocimum sanctum* hexane extract on survival and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae) Archives of Phytopathology and Plant Protection. DOI: 10.1080/03235408.2018.1541148
4. Mohd Shazad, Gupta K. K., Kayesth S. and Shailendra Kumar 2018. Sublethal Effects of Ethanol Extract of *Ocimum sanctum* on Laboratory Bred Population of Dengue Mosquito *Aedes Aegypti* L. (Diptera: Culicidae). Vector Biology Journal. 3(1) [10.4172/2473-4810.1000128](https://doi.org/10.4172/2473-4810.1000128)
5. Mishra M., Gupta K. K. and Kumar S. 2018. Growth regulatory and growth inhibitory effects of *Thevetia neriifolia* stem extracts on *Helicoverpa armigera* (Lepidoptera: Noctuidae). Archives of Phytopathology and Plant Protection. <https://doi.org/10.1080/03235408.2018.1521324>
6. Kayesth S., and Gupta K. K. 2018. Impact of *Lantana camara* hexane extract on survival, growth and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). Acta Ecologica Sinica. 38(3): 187-192 <https://doi.org/10.1016/j.chnaes.2017.12.002>

Resource Person for the Programme

1. 'Mapping of e Resources in Biology for Higher Secondary Level'. Central Institute of Educational Technology, NCERT, March 11-13, 2019
2. 'Development of Tactile Kit in Science at Upper Primary Stage'. Education in Science and Mathematics, NIE, NCERT, New Delhi, February 11-15, 2019
3. 'Online Course in Teaching of Science at Upper Primary Stage' Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, January 24-30, 2019

4. 'Development of Modules of Training Package in Biology for Teachers Teaching at Higher Secondary Stage in Online Format'. Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, January 14-18, 2019
5. 'Development of Modules of Training Package in Biology for Teachers Teaching at Higher Secondary Stage in Online Format'. Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, January 7-11, 2019
6. 'Development of Audio-Video Resource on Experiments/Activities in Biology at Higher Secondary Stage (Class XI). Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, October 24-26, 2018
7. 'Development of Kit in Science at Upper Primary Stage'. Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, September 13-14, 2018

DR. SUNIL KAYESTH

Paper published

1. Kayesth S., Shailendra Kumar, Mohd Shazad and Gupta K. K. 2019. Effects of *Ocimum sanctum* hexane extract on survival and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae) Archives of Phytopathology and Plant Protection. DOI: 10.1080/03235408.2018.1541148
2. Mohd Shazad, Gupta K. K., Kayesth S. and Shailendra Kumar 2018. Sublethal Effects of Ethanol Extract of *Ocimum sanctum* on Laboratory Bred Population of Dengue Mosquito *Aedes Aegypti* L. (Diptera: Culicidae). Vector Biology Journal. 3(1) [10.4172/2473-4810.1000128](https://doi.org/10.4172/2473-4810.1000128)
3. Kayesth S., and Gupta K. K. 2018. Impact of *Lantana camara* hexane extract on survival, growth and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). Acta Ecologica Sinica. 38(3): 187-192 <https://doi.org/10.1016/j.chnaes.2017.12.002>

Conference/Symposium/ workshop/ Refresher Course:

1. Member Organizing Committee in Two Week Faculty Development Programme on Entrepreneurship (Science, Technology and Management for Society) held on 13th December, 2018 to 27th December, 2018 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019.
2. Member of Organizing Committee in National Workshop on "Skill Development to Build a Clean India" held from June 07 to June 08, 2018 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019.
3. Participated in the four weeks Refresher Course in Life Sciences & Biotechnology organized during October 8-November 2, 2018 sponsored by UGC and held at Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, India.

4. Coordinator of three-member committee constituted by the department of Zoology, University of Delhi to look into the restructuring of the Medical Diagnostic paper for B. Sc. Zoology (Hons.) II Year.

Other Activities in college:

1. Convener, Canteen Committee 2018-2019.
2. Admission-in-Charge, for Zoology Honors in 2018-2019.
3. Teacher-in-charge, Department of Zoology, w-e-f May 1, 2017 to till date.
4. Member of Building and Infrastructure committee of Governing Body to look into Extension of New Science Block.

DR. VARSHA BAWEJA

Conference/Symposium/Workshop

1. Baweja Varsha. 2018. Biopesticides: A potent tool for green technology for the mitigation of pesticide pollution. In Fourth National Symposium on Environment: Green Technology for Environmental Sustainability' held at Deshbandhu College, New Delhi. Sep 25, 2018.
2. Baweja Varsha, Nanda Sarita, Jain Anju. 2018. Endocrine Disruptors. E-content for postgraduate course. NME-ICT in Zoology under MHRD project.
3. Nanda Sarita, Jain Anju, Baweja Varsha. 2018. Neuronal Cytoskeleton. E-content for postgraduate course. NME-ICT in Zoology under MHRD project.
4. Jain Anju, Baweja Varsha, Nanda Sarita. 2018. Neuroendocrine Physiology: Hypothalamic Hormones. E-content for postgraduate course. NME-ICT in Zoology under MHRD project.
5. Jain Anju, Nanda Sarita, Baweja Varsha. 2018. Neuroendocrine Physiology: Classification of Hormones. E-content for postgraduate course. NME-ICT in Zoology under MHRD project
6. Member, Organising Committee of the workshop on "Skill development to build a clean India" held at Deshbandhu College, New Delhi. June 7-8, 2018.
7. Member, Organising Committee of the 4th National Symposium on 'Environment: Green Technology for Environmental Sustainability' held at Deshbandhu College, New Delhi. Sep 25, 2018.
8. Member, Organising Committee of Two Weeks Faculty Development Programme on Entrepreneurship (Science, Technology and Management for Society) held at Deshbandhu College, New Delhi. Dec 13-27, 2018.
9. Delivered a talk on 'Role of lifestyle behaviours on women's health' on International Women's Day at Deshbandhu College on March 8, 2019.
10. Himanshu and Baweja Varsha. 2019. Effect of dietary isoflavone consumption on the prevalence of Alzheimer's disease. In: 6th World Congress on Nanomedical Sciences, held at Vigyan Bhawan, New Delhi, India. Jan 7-9, 2019

Resource Person for the Programme

1. Development of Tactile Kit in Science at Upper Primary Stage. Organized by Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, 19.03.2018 to 23.03. 2018
2. Development of Tactile Kit in Science at Upper Primary Stage. Organized by Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, 10. 09.2018 to 14.09. 2018
3. Online Course in Teaching of Science at Upper Primary Stage. Organized by Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, 12. 11. 2018 to 16.11. 2018.
4. Development of Modules of Training Package in Biology for Teachers Teaching at Higher Secondary Stage in online format. Organized by Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, 25.02.2019 to 01.03.2019.
5. Mapping of QR codes for class X Science text book. Organized by Department of Education in Science and Mathematics, NIE, NCERT, New Delhi, 11.03.2019 to 13.03. 2019
6. Attended Research Based Pedagogical Tools (RBPT) Workshop for Science Teachers at Daulat Ram College, University of Delhi. 25.03.2019 to 27.03.2019

DR. MANISHA SENGER

Conference/Symposium

1. Participated in refresher course titled as “Two Week Faculty Development Programme on Entrepreneurship (Science, Technology and Management for Society)” held on 13th December, 2018 to 27th December, 2018 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019.
2. Manisha S. and Moses R. H1 N1 Influenza: A Global Hazard (Poster) at “Ist International Conference on Integrative Chemistry, Biology and Transitional Medicine held on February 25th-26th, 2019.
3. Attended International conference titled as Bhartiya Naari: Kal AAj aur Kal held on February 23-24, 2019.

DR. INDRAKANT KUMAR SINGH

Assistant Professor

Research Projects

Title: Pharmacophore modelling to design novel inhibitors of Mcl-1 as targeted therapy of human cancer (2019-22) (Funded by DHR/ ICMR Govt. of India)

Paper published

1. Agrawal, P., Kumar, S., Singh, A., Raghava, G. P. S.* and Singh, I. K.* (2019) NeuroPIpred: a tool to predict, design and scan insect neuropeptides. *Scientific Reports* *Corresponding author. (<https://doi.org/10.1038/s41598-019-41538-x>)
2. Singh, A.*, Kumar, A., Yadav, S., and Singh, I. K.* (2019) Reactive oxygen species-mediated signaling during abiotic stress. *Plant Gene* *Corresponding author. (<https://doi.org/10.1016/j.plgene.2019.100173>)
3. Singh, S., Singh, A., Kumar, S., Mittal, P. and Singh, I.K.* (2018) Protease inhibitors: recent advancement in its usage as a potential bio-control agent for insect pest management. *Insect science* *Corresponding author. (doi: 10.1111/1744-7917.12641)
4. Sinha R., Singh P., Singh I. K.,* Mangangcha I. R., and Saini N. K. (2018)* Expression analysis of genes of *Mycobacterium tuberculosis* H37Rv under stress condition. *Gene Reports* (doi: [org/10.1016/j.genrep.2018.08.006](https://doi.org/10.1016/j.genrep.2018.08.006)) *Corresponding author.
5. Singh A., Jain D., Tyagi C, Singh S., Kumar S., and Singh I. K. (2018)* *In-silico* prediction of active site and in vitro DNase and RNase activities of *Helicoverpa*-inducible Pathogenesis Related-4 protein from *Cicer arietinum*. *International Journal of Biological Macromolecules* 113: 869-880 (doi:10.1016/j.ijbiomac.2018.03.027) *Corresponding author.

List of papers presented in conferences-oral & poster/abstract published in proceedings:

1. Singh, S., Kumar, S., Singh, A. and Singh, I.K.* (2019) *Neonicotinoids- A milestone of agrochemical research with deadly impact on human health* In “1st INTERNATIONAL CONFERENCE on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) organized by Centre for Global Health, Hansraj College, University of Delhi and Loyola University Chicago Stritch School of Medicine, USA. *Corresponding Author
2. Verma, P., Mittal, P., and Singh, I.K.* (2019) *New Entrants into targeted therapy of breast cancer: An insight* In “1st INTERNATIONAL CONFERENCE on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) organized by Centre for Global Health, Hansraj College, University of Delhi and Loyola University Chicago Stritch School of Medicine, USA. *Corresponding Author
3. Tanwar, D., Mittal, P., Singh, I.K. and Kumar, U.* (2019) *Schiff's base (O,N,S donor) ligated Nickel (II) complexes as bio-activator for sustainable antibacterial activity* In “1st INTERNATIONAL CONFERENCE on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) organized by Centre for Global Health, Hansraj College, University of Delhi and Loyola University Chicago Stritch School of Medicine, USA.
4. Mittal, P., Singh, S., Kumar, S. and Singh, I.K.* (2018) *LACCASES: BLUE ENZYMES AS AN EVOLVING GREEN TECHNOLOGICAL INITIATIVE FOR BIOTECHNOLOGICAL ADVANCEMENTS*. In ““Fourth National Symposium on Environment: Green Technology for Environmental Sustainability” held on September 25, 2018 at Deshbandhu College, University of Delhi, Delhi. *Corresponding Author

Books/Book Chapters:

“Textbooks of Biotechnology for Higher Secondary Stage Class-IX” Published by NCERT, New Delhi-110016, India. (Development team member and contributor)

Award/Honor/Fellowship/Financial assistance/Travel Grant:

Awarded Bharat Ratna Dr. A. P. J. Abdul Kalam Memorial Grace India “Best Teacher Awards 2018” for contributions to research by Grace India Educational Charitable Trust, New Delhi, in the award ceremony held at Hans Raj College, Delhi, India on October 27, 2018.

Resource Person:

1. Invited as a Resource person in “Development of Syllabus and textbooks of Biotechnology for Higher Secondary Stage” March 15 –19, 2019 organized by DESM, NCERT, NIE campus New Delhi-110016, India.
2. Invited as a Resource person in “INSPIRE INTERNSHIP” January 18–22, 2019 organized by SRMS College of Engineering & Technology, Bareilly, U.P., India.
3. Invited as a Resource person to conduct science activity “45th Jawaharlal Nehru National Science, Mathematics and Environment Exhibition 2017” November 23-27, 2018 organized by, School Education Department Gujarat and NCERT New Delhi, at Ahmedabad (Gujarat), India.
4. Invited as a Resource person in workshop on “How to get published research papers in right journals” held on October 27, 2018 at Hansraj College, University of Delhi in collaboration with Grace India Educational Charitable Trust, Delhi.
5. Invited as a Resource person in “Development of Syllabus and textbooks of Biotechnology for Higher Secondary Stage” September 29-October 2, 2018 organized by DESM, NCERT, NIE campus New Delhi-110016, India.
6. Invited as a Resource person in “Development of Video Guide on the use of Upper Primary Science Kit in Division of Educational Kits Developed by DEK, NCERT” September 10-14, 2018 at Division of Educational Kits, NCERT, New Delhi-110016, India.
7. Invited as a Resource person to deliver a talk at The Indian School, New Delhi, Title “*How DNA Has Change Our Lives?*” on August 13, 2018.
8. Invited as a Resource person in workshop on “Art of Scientific Writing and Communication Skills” held on July 16-23, 2018 at Department of Botany, Zakir Husain Delhi College, University of Delhi to deliver a talk on Title “*TOWARDS Achieving Creativity, Style And Structure In Scientific Writing*”.
9. Invited as a Resource person in “Development of Syllabus and textbooks of Biotechnology for Higher Secondary Stage” July 04-08, 2018 Organized by DESM, NCERT, NIE campus New Delhi-110016, India.

10. Invited as a Resource person in “Development of Syllabus and textbooks of Biotechnology for Higher Secondary Stage” June 09-14, 2018 Organized by DESM, NCERT, NIE campus New Delhi-110016, India.

Jury Member / Guest of Honor:

- Invited as Member Jury for poster presentation session in “1st INTERNATIONAL CONFERENCE on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) organized by Centre for Global Health, Hansraj College, University of Delhi and Loyola University Chicago Stritch School of Medicine, USA.
- Invited as Member Jury for poster presentation session in “Fourth National Symposium on Environment: Green Technology for Environmental Sustainability” from September 25, 2018 held at Deshbandhu College, University of Delhi, New Delhi, India

Program Coordinator/Organizer:

Coordinator, for the “DST-Sponsored Two Week Faculty Development Programme on Entrepreneurship (Science, Technology & Management for Society)” Sponsored by Department of Science and Technology, Government of India at Deshbandhu college, University of Delhi from December 13-27, 2018.

Corporate and Cultural life in the College/University:

College/Institutional			
	Committee	Position/Responsibility	Period
1.	<ul style="list-style-type: none"> • Proctorial Committee • Prospectus Committee • Development fund committee • Student Union Election • Departmental Research Committee 	<p>Convenor</p> <p>Member</p> <p>Member</p> <p>Member</p> <p>Member</p>	2018-2019
University		College	
1.	<ul style="list-style-type: none"> • Member syllabus committee for Public Health & Hygiene, Animal Behavior, and Biostatistics & Bioinformatics 	<ul style="list-style-type: none"> • External Examiners • Internal Examiners • Invigilation’s duties 	

<ul style="list-style-type: none"> • External Examiners • Internal Examiners 	<ul style="list-style-type: none"> • Paper Setting (Examiner) • Paper Evaluations
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Conference/Symposia/Workshop

1. Participated in “1st INTERNATIONAL CONFERENCE on Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) organized by Centre for Global Health, Hansraj College, University of Delhi and Loyola University Chicago Stritch School of Medicine, USA.
2. Participated in workshop on “How to get published research papers in right journals” held on October 27, 2018 at Hansraj College, University of Delhi in collaboration with Grace India Educational Charitable Trust, Delhi
3. Participated in “International Right to Information Day and Convention 2018” held on September 28 at India International Centre, New Delhi, India
4. Participated as Organizing Secretariat in the “Fourth National Symposium on Environment: Green Technology for Environmental Sustainability” held on September 25, 2018 at Deshbandhu College, University of Delhi, Delhi.
5. Participated in “National Conference on Ancient Indian Knowledge: Science and Technology” July 17-19, 2018 Organized by NCERT, NIE campus, New Delhi-110016, India.
6. Participated in “Group Monitoring Workshop for Inspire Internship Science Camp Organizer” June 25-26, 2018 Organized by University of Science and Technology, Meghalaya and Department of Science & Technology, Government of India.
7. Participated in workshop on “Skill Development to Build a Clean India” June 7-8, 2018 Organized by Deshbandhu College in association with ONGC Ltd. New Delhi.
8. Participated in “National Right to Information Summit 2018” held on March 16, 2018 at Gandhi Peace Foundation, New Delhi, India.

Refresher Course/ Professional Training:

1. Participated in the four weeks Refresher Course in Life Sciences & Biotechnology organized during October 8-November 2, 2018 sponsored by UGC and held at Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, India.
2. Participated in the two weeks FDP on Entrepreneurship organized during December 13-27, 2018 held at Deshbandhu College, University of Delhi, New Delhi, India.

DR. MOSES RINCHUI NGASAINAO

Orientation Programme

Orientation Programme at HRDC-Jamia Millia Islamia 124th from 12th-Feb-2019 to 12th-March-2019.

Conference/Symposium

1. Pavitra Sharma and Moses Rinchui Ngasainao, 2019. Microbial Plastic Degradation: A scope for Plastic Clean Environment. In: Proceeding of 1st International Conference on Integrative Chemistry, Biology and Translational Medicine (Eds: Brijesh, R., Prakasha, K., et al), 25th – 26th February 2019, New Delhi India, Book of Abstracts, pp-57. ISBN 978-93-5351-396-2.
2. Manisha Sengar and Moses Rinchui Ngasainao, 2019. H1N1 Influenza: A Mandatory Seasonal influenza? In: Proceeding of 1st International Conference on Integrative Chemistry, Biology and Translational Medicine (Eds: Brijesh, R., Prakasha, K., et al), 25th – 26th February 2019, New Delhi India, Book of Abstracts, pp-191. ISBN 978-93-5351-396-2.

MS. PAVITRA SHARMA

1. Participated to present a poster entitled " Microbial Plastic Degradation: Scope for Plastic Clean Environment" in 1st International Conference on "Integrative Chemistry, Biology & Translational Medicine" held at Delhi on Feb 25-26, 2019.
2. Presented a poster in the 4th National Symposium on "Environment green technology for environmental sustainability" organized by Deshbandhu College, University of Delhi on September 25, 2018.

Dr. KIRAN BALA

Conference/Symposium

1. Attended International conference organized by Deshbandhu College, Delhi University Kalkaji entitled as Physics, Society and Technology which is held on January 17-19, 2019.
2. Attended International conference organized by Shaikshik Foundation in association with Deshbandhu College, Delhi University entitled as Bhartiya Naari: Past, Present and Future which is held on February 23-24, 2019.

DR. GOURI

Conference/Symposium/Workshop

1. Attended Faculty Development Program "Environment Sustainability and Higher Education between 4th June to 11th June, 2018, in Dyal Singh College, University of Delhi.
2. Poster & Abstract Presentation on" Indian Scenario of E-waste Management; Special Focus on Delhi", in Fourth National Symposium in Environment; held in Department of Zoology Zoology, Deshbandhu College, University of Delhi on 25th September, 2018.
3. Participated in One Day Educational Trip to Institute of Genomics and Integrative Biology (IGIB), Mathura Road, for 30 students of BSc Hons Zoology organized by Dr Varsha Baweja.
4. Worked as a Organizing Member in 2-Week Faculty Development Program on Entrepreneurship, Deshbandhu college, between 13th - 27th December 2018.

5. Participated in a Outstation 3-Days Educational Tour to Nainital, Bhimtal and Naukuchiya Tal to study local floral-faunal diversity between 28th February to 3rd March 2019, organized by Dr Kamal Gupta, Department of Zoology, Deshbandhu college, for 40students of 3rd year BSc Hons Zoology.
6. Poster Presentation & Abstract submission on "Analysis of Sex ratio time mated Heterozygous females for Hmox1 gene."; Jain S., Gouri, Basu-Modak S., Department of Zoology, University of Delhi, Delhi; in "National Conference on Trends in Life Science & Biotechnology: Innovative Paradigm", organized by Department of Botany, Maitreyi College, between 19-20 February 2019.

MR. MOHD SHAZAD

Paper published:

1. Mohd Shazad, Gupta K. K., Kayesth S. and Shailendra Kumar 2018. Sublethal Effects of Ethanol Extract of *Ocimum sanctum* on Laboratory Bred Population of Dengue Mosquito *Aedes Aegypti* L. (Diptera: Culicidae). Vector Biology Journal. 3(1) 10.4172/2473- 4810.1000128
2. Gupta K. K., Mohd Shazad and Shailendra Kumar. 2019. Relevance of the Prolonged First Mating in Reproductive Bioactivities of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). Polish Journal of Entomology 88(1): 63-77. DOI: 10.2478/pjen-2019- 0005
3. Kayesth S., Shailendra Kumar, Mohd Shazad and Gupta K. K. 2019. Effects of *Ocimum sanctum* hexane extract on survival and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae) Archives of Phytopathology and Plant Protection. DOI: 10.1080/03235408.2018.1541148

Symposium/workshop:

Member Organizing Committee in Two Week Faculty Development Programme on Entrepreneurship (Science, Technology and Management for Society) held on 13th December, 2018 to 27th December, 2018 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019

DR. RITU MISHRA

Assistant Professor

1. Member Organizing Committee in "Skill Development to Build a Clean India" held on June 7, and 8, 2018 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019.
2. Poster titled "Microbial Degradation of plastics: A future solution to clean environment" in "Fourth National Symposium on Environment: Green Technology for Environmental Sustainability" held on 25th September, 2018 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi-110019

MR. RAJKUMAR

Assistant Professor

1. Participated in International conference organized by Shaikshik Foundation in association with Deshbandhu College, Delhi University titled Bhartiya Women Past, Present and Future on 23-24 February, 2019. 2)
2. Participated in Symposium: Avenues In Plant Sciences: A Hope for Sustainable Future 08_09 March 2019. Organized by Department of Botany. Deshbandhu college University of Delhi Kalkaji New Delhi 110019.

Librarian

Dr. Shalender Singh Chauhan,

- Co-chaired the Panel Discussion on ‘Academic Plagiarism and Piracy in Digital World’ at International Conference on Digital Transformation organised at National Law University Delhi Campus at Sector-14, Dwarka, New Delhi-110078 from 29th November 2018 to 1st December 2018.
- Delivered a lecture on ‘Use of E-Resources in Teaching, Learning and Research’ at CPDHE (UGC-HRDC), University of Delhi on 26th October, 2018.
- Participated in the ‘Workshop on Library Automation & Digitalization’ held at University of Delhi, South Campus from December 17-21, 2018.
- Awarded Ph.D Degree (Library & Information Science) by University of Delhi, India. Title of the Ph.D work: ‘Use of Open Access Resources in Select Institutions in India: A Users’ Study’

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS SCIENCES

Dr. Anjum Padyal

- Book: Marshal The Mind (ISBN 978-93-87502-80-2)
- Conference: International Conference on Olympics and Indian Values in Global Context.
- Effects of 2 weeks Neuro-Linguistic Programming, Meta-Model, on Tak-won-do state - sport confidence.

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS SCIENCES

Department feels immense pleasure to provide its annual report for the year 2018-19. The boys and girls displayed exemplary performance in various competitions throughout the year. The achievements/distinction for the year is as follows:

- Proud moment for college as Mr. Milan Chaudhary represented India at INTERSHOOT CHAMPIONSHIP 2018, MUNICH, GERMANY

- Pulkit from BA Programme won Bronze Medal in All India Boxing Inter University Championship for the year 2018-19
- Weight Lifting Team won Inter college weight lifting championship for the year 2018-19
- Archery team of college won the overall championship in Delhi State Archery Competition 2019 as well. The team performed exceptionally well and retained the champion's title for the 4th year consecutively. The college won championship in Senior and Junior categories for Recurve event and Senior category championship in Indian round event. Junior team in Indian round event won 3rd place in the same competition.
- Archery team of the college also won 1st place in Inter college archery championship held for the year 2018-19
- Yoga Team of the college won 2nd place in Inter College Yoga Championship.
- College's Girls Boxing Team secured 3rd place in Inter college boxing championship for the same year.
- College gave 25 participation at National and All India Inter University level for the year 2018-19
- Overall, college won 45 Gold, 33 Silver and 34 Bronze medals at Inter-College and State Championship in different sports/games.

Annual Sports Day was held from 28th March, 2019 in College. The event was inaugurated Mr Abhishek Verma, Arjuna Awardee and World Championship Winner was invited as Chief Guest. The event witnessed various sporting activities for students, teaching staff and non-teaching staff under both, male and female category.

Department also celebrated International Women's Day on 7th March, 2019 under IQAC. Ms Aishwarya Bhati, Advocate, Supreme Court, Ms Pragya Ghildiyal, International Para Athlete, Dr Sunita Godara, International Marathon Runner and Dr Meenakshi Pahuja, International Swimmer were invited as speakers.

Department of Physical Education & Sports Sciences of Deshbandhu College and Society for Sports and Fitness Development organised National Workshop on Applied Psychology and Sports Psychology under IQAC on 8th & 9th April, 2019

LIST OF SPORTS ACHIEVEMENT FOR THE YEAR 2018-19
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S.NO.	NAME	COURSE	GAME/SPORT	TOURNAMENT	ACHIEVEMENT
1	AARIF	BA PROG	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				INTER COLLEGE	G – 2, S - 2
				DELHI STATE	GOLD
				DELHI OLYMPIC	SILVER – 2
2	RAKESH SINGH NAYAL	BA PROG	ARCHERY	INTER UNIVERISTY	PARTICIPATION
				JR. NATIONAL	PARTICIPATION
				INTER COLLEGE	G – 1, B -1
				DELHI STATE	GOLD
				DELHI OLYMPIC	G – 1, S – 1
3	RAVI KUMAR	BA (H) HINDI	ARCHERY	INTER COLLEGE	GOLD
				DELHI STATE	GOLD
				DELHI OLYMPIC	G – 1, B – 1
4	VINAY	BA PROG	ARCHERY	DELHI STATE	SILVER
5	ROHIT SAGAR	BA (H) HISTORY	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				SR. NATIONAL	PARTICIPATION
				INTER COLLEGE	G – 3, B - 1
				DELHI STATE	GOLD
				DELHI OLYMPIC	G – 2, S – 1, B – 1
6	RAM KUMAR	BA (H) SANS	ARCHERY	DELHI STATE	GOLD
7	SIDDHANT SHUKLA	BA PROG	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				JR NATIONAL	PARTICIPATION
				DELHI STATE	GOLD
				INTER COLLEGE	G – 2, B – 1
8	SACHIN	BA PROG	ARCHERY	INTER COLLEGE	GOLD

				DELHI STATE	GOLD
				DELHI OLYMPIC	GOLD
9	BHUPENDER	BA PROG	ARCHERY	DELHI STATE	GOLD
				INTER COLLEGE	GOLD
				DELHI OLYMPIC	G - 1, B - 2
10	JOSEPH	MA ENGLISH	ARCHERY	INTER COLLEGE	GOLD
				DELHI STATE	GOLD
11	HEMLATA	BA PROG	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				SR. NATIONAL	PARTICIPATION
				DELHI STATE	GOLD - 3
				INTER COLLEGE	S - 1, B - 1
				DELHI OLYMPIC	S - 1, B - 1
12	PREETI	BA PROG	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				INTER COLLEGE	G - 1, S - 2
13	NEHA	MA POL. SCI.	ARCHERY	INTER COLLEGE	SILVER
14	AANCHAL	BA PROG.	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				SR. NATIONAL	PARTICIPATION
				DELHI STATE	GOLD - 2
				DELHI OLYMPIC	SILVER
				INTER COLLEGE	S - 1, B - 1
15	KANCHAN	B.Sc. (H) BOTANY	ARCHERY	INTER UNIVERSITY	PARTICIPATION
				JR. NATIONAL	PARTICIPATION
				INTER COLLEGE	GOLD - 2
				DELHI STATE	S - 2, B - 1
				DELHI OLYMPIC	G - 1, S - 2, B - 1

16	PAVITRA	B.Sc. (H) CHEM	ARCHERY	DELHI STATE	BRONZE
17	ARCHANA	B.Sc (H) LIFE SCI.	ARCHERY	DELHI STATE	BRONZE
18	POOJA	B.Sc. (H) MATH	BOXING	INTER COLLEGE	BRONZE
19	KHUSHBOO	BA (H) Hindi	BOXING	J&K STATE	GOLD
20	DIVYA	BA (H) ENG	BOXING	DELHI STATE	BRONZE
21	AKSHIT	B.Sc. I.C.	BOXING	DELHI STATE	BRONZE
22	DIYA	B.Sc. (H) PHY	BOXING	INTER COLLEGE	SILVER
23	PINKI	BA (H) SANS	BOXING	DELHI STATE	BRONZE
24	KAJAL	BA PROG.	BOXING	INTER COLLEGE	SILVER
				DELHI STATE	BRONZE
25	PULKIT	BA PROG.	BOXING	INTER UNIVERISTY	BRONZE
				INTER COLLEGE	GOLD
26	MILAN	BA (H) POL. SCI.	SHOOTING	INTERSHOOT CHAMPIONSHIP (MUNICH, GERMANY)	PARTICIPATION
27	MOOSA	BA PROG.	SHOOTING	NATIONAL	PARTICIPATION
				NATIONAL(TEAM)	PARTICIPATION
28	UTSAV KUMAR	BA PROG.	TAEKWONDO	SENIOR NATIONAL	PARTICIPATION
				DISTRICT	GOLD
29	HIMANSHU	B.COM (H)	TAEKWONDO	STATE	BRONZE
30	ANIKET	B.Sc. COMP. SCI.	TAEKWONDO	DELHI OLYMPIC	BRONZE
31	NARGIS	BA (H) HINDI	TAEKWONDO	SENIOR NATIONAL	PARTICIPATION
				DELHI OLYMPIC	BRONZE

32	MAURYA HANSPAL	B.COM (H)	SWIMMING	DELHI STATE	BRONZE
33	MD ASIF SALMANI	B.Sc. (H) CHEM.	YOGA	INTER COLLEGE	SILVER
34	ROHIT RANA	B.Sc. (H) MATH	YOGA	INTER COLLEGE	SILVER
				DELHI STATE	BRONZE
35	RAHUL JHA	B.Sc. (H) ZOO	YOGA	INTER UNIVERSITY	PARTICIPATION
				INTER COLLEGE	SILVER
36	GAUTAM MISHRA	B.Sc. (H) BIOCHE	YOGA	INTER COLLEGE	SILVER
				DELHI STATE	GOLD
37	RAVI	BA (H) ECO	YOGA	INTER COLLEGE	SILVER
38	NEERAJ	B.Sc. PROG	YOGA	INTER COLLEGE	SILVER
39	PRAKHAR SAXENA	BA PROG	W/L	INTER COLLEGE	SILVER
			P/L	INTER COLLEGE	BRONZE
40	BOBY SHARMA	BA (H) SANS	W/L	INTER COLLEGE	SILVER
41	PUNIT PRADHAN	BA PROG	W/L	INTER COLLEGE	BRONZE
			W/L	DELHI STATE	BRONZE
42	ATUL	BA PROG	W/L	INTER COLLEGE	BRONZE
43	DHEERAJ KUMAR	BA (H) HINDI	W/L	INTER UNIVERSITY	PARTICIPATION
			BEST PHYSIQUE	INTER UNIVERSITY	PARTICIPATION
			W/L	INTER COLLEGE	GOLD
			P/L	INTER COLLEGE	GOLD
			BEST PHYSIQUE	INTER COLLEGE	GOLD
			P/L	DELHI STATE	BRONZE
44	VIKASH	BA (H) POL. SCI.	W/L	INTER COLLEGE	BRONZE

45	SACHIN KUMAR	BA PROG	W/L	INTER COLLEGE	SILVER
46	MUNESH KUMAR	BA (H) ECO	W/L	INTER COLLEGE	SILVER
47	SAHIL MADAN	BA (H) HIS.	P/L	INTER COLLEGE	BRONZE
			BEST PHYSIQUE	INTER COLLEGE	BRONZE
48	BOBY KUMAR	BA (H) SANS	BEST PHYSIQUE	INTER COLLEGE	SILVER
49	SHALINI	BA PROG.	W/L	INTER UNIVERSITY	PARTICIPATION
			W/L	INTER COLLEGE	GOLD
			P/L	NATIONAL	PARTICIPATION
			P/L	INTER COLLEGE	SILVER
50	AKSHAY KUMAR	B.Sc. I.C.	BEST PHYSIQUE	INTER COLLEGE	SILVER
			P/L	INTER COLLEGE	BRONZE
51	SARVESH KUMAR SAINI	BA (H) HINDI	W/L	INTER COLLEGE	GOLD
				INTER UNIVERSITY	PARTICIPATION

Thank you