

# **Deshbandhu College**

University of Delhi

Kalkaji, New Delhi-19

## **66<sup>th</sup> Annual Report, 2017-18**

25<sup>th</sup> April, 2018

Warm welcome and greetings!

On behalf of entire Deshbandhu fraternity it gives me honour and immense pleasure to welcome and receive Ms Meenakshi Lekhi-ji, honourable Member of Parliament, Govt of India, our Guest-in-Chief for today's function. I also welcome our Guests of Honour Dr Anuradha Munni, treasurer, Governing Body of our college; Prof V K Kaul, Dean faculty of Applied sciences and Humanities, University of Delhi. I welcome our Special Guests Dr T Shimla, Member Governing body, Sh T S Kripanidhi, Treasurer University of Delhi.

Today amongst us we have Sri Ashok Tandon-ji, Ex-Media Advisor, Prime Minister of India as our Distinguished member of Alumni. We welcome you sir.

It is our privilege to have Dr Parakash Nanda, Honourable Chairman of the Governing Body, Deshbandhu College to preside over today's function.

**Meenakshi Lekhi** is an **Indian Member of Parliament** in the **Lok Sabha from New Delhi constituency**. B.Sc. in **Botany from Hindu College, Delhi**, Meenakshi Lekhi joined Campus Law Centre-I, Delhi University for her LLB. She enrolled with the Bar Council of Delhi in 1990, and started practising at the Supreme Court of India, Delhi High Court, and several other courts, tribunals and forums in different parts of the country.

Today, She is the national **spokesperson of Bharatiya Janata Party** and a **Supreme Court of India lawyer**. Besides numerous articles in journals, periodicals and newspapers on social issues, she participates in various television shows on matters on national and international importance. Lekhi writes "**Forthwrite**", a fortnightly column in *The Week* magazine.

**Dr Anuradha Muni, Treasurer Governing Body**, is an eminent **educationist, political scientist**. She is an **international relation and geo-politics expert**, author of many books on International Relations. She retired from **Daulat Ram College as an Associate Professor**.

**Professor V K Kaul**, a G20 Global leadership Fellow, 2012, is currently Dean, Faculty of Applied Social Sciences and Humanities, University of Delhi & Head, Deptt. Of Business Economics ,University of Delhi. He has been a member of **2015 Expert Committee** the choice Based Credit System by **the University Grants Commission**. He has been a **Treasurer and Member of Governing Body: College of Vocational Studies 2011-13 and Acharya Narender Dev College 2011-13, earlier Governing Body Member of - Gargi College, Delhi College of Arts and Commerce**. He is the Chairperson of The Managing Committee of Aravali Hostel of Delhi University. He has been **associated with DSIR Module on Clusters, Alliances, Networking for Management of Technology and Innovation Program , 2008,European Commission Funded Project under the International Cooperation (INCO) priority of the Sixth Framework Programme (FP6): Bridging the Gap between Europe and India's Nanotechnology Knowledge Bases towards an understanding of Innovative Support Structures, Training Programmes and Policies, DSIR Project on Knowledge Based Industries: In 2004 , he submitted a report on strengthening international competitiveness of Chemical industry in India as a part of this project. The project focused on SMEs. He submitted a Report on WTO and Small Enterprises in April 2001, As a member of three member Core Research Group constituted by the Government of Punjab to provide input on Impact of WTO on Small scale industries in Punjab and Haryana.**

**TS Kripanidhi** , a civil engineer by training has an experience spanning over working with Govt of India and that of Karnataka in drafting, implementing and supervising important Govt policies and schemes and member of various Parliamentary committees. Apart from this he has been **Assistant Controller (Audit, Accounts & Budget), Directorate of Technical Education, Govt of Karnataka, Bangalore (Jan 1980 to Aug 1982)Audit of Accounts, Budget of various Engg. Colleges & Polytechnics under the Directorate of Technical Education, Govt of Karnataka. LBSNAA Mussoorie, NIMA, Meerut (UP), Army, Air Force & HQrs CGDA New Delhi , ACDA,PAO, ARTILLERY, NASHIK.DCDA, AIR FORCE NEW DELHI. ACGDA(IT), HQrs CGDA, NEW DELHI. Ministry of Environment & Forest, GOI, New Delhi Private Secretary to the Minister of State (Ind.Charge) for Environment & Forest (1993-96). (Jan 1998 to Apr 1999) Pay & Allowances, Procurement Payment, Audit, Accounts, Works & Contract Management of Army. (Joint Secretary level) 27 Jul 2009 to 31 Jan 2010 Development & implementation of system and computerisation projects HQ NSG, Ministry of Home Affairs, New Delhi HQ CRPF, Ministry of Home Affairs, New Delhi FA,CRPF/DIR(FIN) NSG, (Addl. Secretary level)1st Feb 2010 till superannuation / retirement on 30/9/2013 Financial Advice/Concurrence**

**T Shimla**, a doctorate on Federal studies with an MA in Pol science and English Literature has published till date over 22 works including important books on language usages and Parliamentary affairs and has presented papers in numerous important national and international conferences. She has been a distinguished member of IIPA, New Delhi, Indian Political Science Association apart from being a distinguished member of several of Prime Minister's Delegation Team abroa abroad, Govt of India. She has been Registrar, YMCA University of Science & Technology, Faridabad, Joint Secretary, Delhi Legislative Assembly 28<sup>th</sup> February, 2007 to 7<sup>th</sup> August, 2009, Additional Director, Lok Sabha Secretariat, New Delhi. Joint Director, Lok Sabha Secretariat, New Delhi. 2<sup>nd</sup> January, 1995 to 27<sup>th</sup> February, 2007, Parliamentary Interpreter Lok Sabha Secretariat, New Delhi 17<sup>th</sup> Nov., 1984 to 2<sup>nd</sup> Jan, 1995.

**Prof. Ashok Kumar Tandon** currently a Member, Prasar Bharati Board, India's Public service Broadcaster comprising all Doordarshan and all India Radios kendras, is a senior journalist & columnist and a political commentator with 45 years experience in journalism, media relations and media academics. He entered journalism after obtaining Masters' degree in Political Science from Delhi University and worked in various positions including PTI Bureau Chief in London for seven years and later as Diplomatic Editor of the PTI in New Delhi. Prof. Tandon joined Prime Minister Atal Bihari Vajpayee's PMO in 1998 as in-charge of Media Relations in the rank of Additional Secretary. After leaving the PMO in 2004, he joined as Professor & Director, Makhanlal Chaturvedi National University of Journalism & Communication at its NOIDA Campus. As Senior Professor with the Bhopal-based journalism university, Prof. Tandon was a member of its Academic Council and Executive Council. He was also co-convenor of the Core Group on Standardization of Media education in collaboration with the Press Council of India. During his stint as PTI Bureau Chief in UK, Prof. Tandon-j was twice President of the Indian Journalists' Association, Europe. Prof. Tandon was a member of the Press Council of India and a member of the Press Registration Appellate Board from 1985-88. He was also an Executive Committee member of the Press Association. Prof. Tandon's professional assignments include: Defence Ministry's war correspondent course at MHOW (M.P), Cochin and Jodhpur, 1981, The United Nations Food and Agriculture Organization (FAO) media workshop, Rome, 1990, Rockefeller Foundation Media workshop on population growth in South Asia, in Dhaka, Bangladesh, 1995, study tour of the German elections in 1986, study tour of the German Institutions in 1994, World Hindi Conference, London 1999 & Bhopal 2015, Human Empowerment Conference, Los Angeles, 2006, Ex-officio member, Indo-UK Round -Table 2002-2004 & Senior Vice-President, Antar Rashtriya Sahyog Parishad (ARSP).

**Dr Prakash Nanda** is a journalist, consultant and author with two decades plus work experience. Continuing as the Editor-in chief of a English weekly (Uday India, [www.udayindia.org](http://www.udayindia.org)) and [www.geopolitics.in](http://www.geopolitics.in) of a security monthly (Geopolitics, [www.geopolitics.in](http://www.geopolitics.in)). A former National Fellow of the Indian Council for Historical Research, happen to be a Distinguished Fellow at the Institute of Peace and Conflict Studies (Delhi) and Senior Fellow at the Centre for Public Affairs (NOIDA). He has been the CEO of a media house (U-Turn media), Diplomatic Correspondent of the the *Times of India* and Strategic Affairs Editor of the Sahara

**group(both print and TV).** As an opinion-writer, have contributed to almost all the leading newspapers in the country. Have written a weekly column - Right Angle - in UPIASIA. COM ( belonging to United Press International, Boston). He remained **a consultant on International Affairs to Reliance Group**, India's preeminent industrial house. He has been **Director of a Delhi-based College of Media and Communication**. Dr Nanda has **edited a book titled *Rising India: Friends and Foes***.and authored three major books on India's foreign policy and international relations. We welcome you sir.

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 2017-2018.

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 2017-18 and over five thousand 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 : 121, Ad hoc Faculty : 83**

### **Non-Teaching**

NA

**Retired Members** : During the academic session 2017-2018 the following Teaching and Non-Teaching staff members retired from the service of the college.

**Teaching :**

E. Chauhan , Deptt of Botany

Veena Ganju, Deptt of Botany

Sushma Mattu, Deptt of Chemistry

Gauri Dutta, Deptt of Physics

Kalpana Kirty, Deptt of Bengali

**Non-teching :**

Harish Dhyani, Lab in Charge, Deptt of Chemistry

Sripal, Mali

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

**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 (D.D.S.), Dialecticians – The Debating Society, Timbre – The Music Society, Sharpshooters – The Photography Society, D-Squad – The Dance Society , Style Brokers and The Quiz Society respectively.

**Sharpshooters (photography society)** – won 3 awards as mentioned below :

- Anupam Minz - Kamla Nehru College Photography competition 1<sup>st</sup> prize.
  - Divya Prakash - The Uncommonbox Diwali photo contest, was in top 10 among 700 competitors.
  - Amulya - 1st prize at DESH, annual fest of NCC, Deshbandhu College.  
1st prize at BIOSPARK, annual fest of Biochemistry department, Deshbandhu College.

and also photograph taken by society member was published 3 times in **Hindustan Times**.

Apart from this the society continued to publish its annual **Sabrang Book 2018** and had several photo walks across the city.

● **Timbre (music society)** won 27 prizes in total, Some of the notable achievements of this year are as under:

(1) Indian Classical Choir-1<sup>st</sup> position at IIT Roorkee

(2) Battle of Bands-1<sup>st</sup> Position IIT Roorkee

(3) Indian Solo by Rahul Srivastava-Ist Position at IIT Roorkee

(4) Battle Of Bands-2<sup>nd</sup> Position AIIMS-PULSE'18

● **Dialecticians (English debating society)** has amassed more than 60 wins in just one academic year.

● **Insight (management society)** held 2 independent events, managed 2 events and volunteered in 3 events.

● **Quizzards (quiz society)** -this year the society organized its annual quiz, Raag Desh-an India quiz & a defense quiz, in our annual cultural fest. Quizzards brought several accolades to the college having stood first at 9 colleges, second at 8 colleges and third at 6 colleges.

● **Riwayat (Indian Dance Society)** – won two 2<sup>nd</sup> prize and two 3<sup>rd</sup> prize in different colleges.

● **D-squad (Dance society)** - Participated in more than 25 competitions in all the formats and also secured positions. Some of the notable achievements of this year are as under:

1) Aiims duet (namita-simran) second position

2) Maharaja agrasen college duet (namita-simran) second position

3) iit delhi duet (namita-simran) special mention

4) Zakhir hussain college solo (nivedita joaddar) third position

This year in sabrang one event was hosted by deshbandhu's dance society.

● **Deshbandhu dramatics society (STREET PLAY)**- secured a total of 9 positions in different college competitions, some of them are :

● First position at NIT Delhi.

• First Position at Rooh-e-Tamasha, the streetplay event organized by Manchayan - The Dramatics Society of UCMS.

• First position at Spandan, the annual cultural fest of New Delhi Institute of Management.

- Second position at Jamia Millia Islamia.
- Second position at Pukaar'18, the annual theatre festival of P.G.D.A.V. College (Evening).

●**Oculus (film making society)** - successfully made 6 short films, 1 ad and 1 trailer in 2017-2018 and got more than 17 prizes and appreciation from different colleges and universities.

●**Stageplayers (dramatics society)** – this year 12 awards were won by the dramatics society in different colleges at different levels, some of them are mentioned below :

- (i) 2<sup>nd</sup> in Monoacting competition , IITM
- (ii) 1<sup>st</sup> in Monoacting competition , Maitreyi college

●**YUVA (YOUTH UNITED FOR VISSION AND ACTION)** organized various events including YUVA INTERNSHIP PROGRAMS organised by ‘YUVA DELHI’ both in professional as well as social fields .Around 800 students were registerd and recieved certificates as well and also won various awards on individual level.

●**Antradrishi (Hindi Debating society)** Antadrishi 'the Hindi debating society of the college was formed in 2017 inder the able guidance of Dr.Anand Kumar , with an intention to promote speaking skills and character development of individual. The society is very active in various competition within and outside the college.

#### Achievements :

Satyansh: 1. Best interjector ,Inter college Debate competitionMaitri college2. 2<sup>nd</sup> prize, Inter college Debate competition ,PGDAV college

- Aryan Maurya: 1. 2<sup>nd</sup> prize, Inter college Debate competition , Jankidevi memorial college
- 2. Best interjector, Inter college Debate competition , IP college for women 3. 2<sup>nd</sup> prize ,Inter college Debate competition , PGDAV college
- PiyushPandey: 1. 2<sup>nd</sup> prize ,Inter college debate competition, Dayalsingh college2. 2<sup>nd</sup> prize, Inter college Debate competition ,Jankidevi memorial college
- Twinkle Rawal: 2<sup>nd</sup> prize, Young India Know Thyself
- Amandeep: 1. Special mention , intra college debate competition, Deshbandhu college

Appreciation prize, extempore, Deshbandhu college Apart from this the society held debate competition this year also and actively participated in in the college festival Sabrang . The

events held in Savrang were debate and shilak recitation competition. In the month of April it organised Deshbandhu yuva utsav in which children of various colleges participated.

- The society has participated in various debates and seminars held at various universities. Recently its members attended a seminar in IIMC and another seminar conducted by Parliamentarian Ms. Sushma Swaraj.

## **Library :**

The Deshbandhu College Library had added new facilities/features in the year 2017-2018. These are as follows:

- Deshbandhu College Library received **BEST MANAGED LIBRARY AWARD 2017** by the Confederation of Indian Universities, Indian Institute of Ecology and Environment. and National Institute of Cleanliness Education and Research.
- The Library had upgraded the LSEase library software and OPAC from LSEase LMS to Web Centric LSEase (EJB) LMS.
- In the beginning of the Academic Session 2017-2018, the library organized a User Orientation programme for the first year students.
- The library also added 2346 new books in the library collection during 2017-2018.

## **NCC**

NCC provides a suitable environment to motivate the youth to take up a career in the Armed Forces, Airforce 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 Varun Pratap Singh have been outstanding throughout the year 2017-18, both college and inter college level. Their guard and the drill team won about 25 prizes (First and second positions) in various colleges of Delhi University that include KMC, Zakir Hussain, Miranda, SBSC, PGDAV, Kalindi, Gargi , KNC, Dyal Singh, Motilal Nehru, Aurobindo, Ambedkar and in IP and Jamia as well. Additionally, some special achievements are as follows:

1. SUO Varun Pratap Singh represented Indian delegation to Kazakhstan. He was also commended by the DGNCC Lt. Gen Vinod Vashisht for his exemplary performance.



2. CHM Harish Singh Mehta represented Indian delegation to Sri Lanka.
3. Cadet Sahil Sharma, Mohit Kondal, Asif Salmani & Inder Kumar Yadav completed their Republic Day camp - 2018.
4. CDT Rajneesh won bronze medal in the All India Thal Sainik Camp – 2017..
5. Five (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 Aparna Prasad has also been working towards the same motive. In addition to the participation in college activities. The drill & quarter guard team of NCC girls in leadership of JUO Shabana Khatoon won prizes in Sri Aurobindo College, Rajdhani College, Zakir Hussain College, IP College, Shivaji College, Bhagat Singh College, Gargi, LSR, Hindu and Kamla Nehru colleges of Delhi University.

1. SUO Aparna Prasad attended the Advance Leadership Camp held in Agra.
2. JUO Amrita Jha participated in the Amar Jawan Jyoti – 2017.
3. JUO Amrita Jha, Shabana Khatoon, Ravina, Anisha Das & Corporal Arshi Khan participated in the CM rally in 2017.
4. 7 cadets attended the trekking camp in Darjeeling.

NCC Boys and Girls of DBC collectively organized an excellent annual fest of NCC "DESH-2018" 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 (Boys): Lt. (Dr.) Pramod Kumar NCC In-charge (Girls): Dr. Vaishali Thakral (2017-18) Dr. Pratibha (2018-19)

### **NSS**

Thus academic year 2017-18 has been a remarkable journey for NSS Unit of Deshbandhu College.

17 August 2017, the Orientation Day NSS Unit organised a Cleanliness Drive, Workshop on Vector Borne Disease Control was held. NGO Pravah in association with UNFPA ,which had started a programme in the last academic year on 'SamvidhanLive' which concluded during mid September this year.

Self Defence Programme for all the girls of the College, Cleanliness Drive, Health Check up by Apollo, River Rally Awareness Programme, NSS Day Celebration, Essay Competition on

"Sankalp se Sidhi", Celebration of Universal Brotherhood Day. Month of October was no less, from River Rally Campaign to Bharat Yatra Campaign, from Workshop on Neem School for Value Education to Survey on Mental Health and Issues, this month instilled the qualities of leadership and patriotism in the hearts of volunteers. "Run for Unity" was also conducted in October. With semester coming to an end, NSS Unit also organised the Concluding Programme of Pravah in November. In January, NSS Unit celebrated National Voter's Day, where all the volunteers took a pledge to vote. In February, NSS unit organised Mass awareness programme on Road Safety, Life Changing Seminar and Disaster Management Training Programme. Besides this, all the volunteers whole-heartedly dedicated their efforts and time during the annual fest of the College, Sabrang 2018. With journey coming to an end, NSS Unit organised 2 cleanliness drives, celebrated International Women's Day by organising a Slogan Writing Competition on Women Empowerment, organised Vrikshadaan Campaign and a seminar on Emerging Scope of Public Health.

What made this year different from the previous years is participation of NSS Volunteers in Indian Road Safety Campaign. Under IRSC, NSS unit organised workshop on road safety which provided volunteers the physical training to save the life of a victim after a road accident. It also organised Online Quiz Competition, Extempore Competition on Road Safety and a Visit to Traffic Park. IRSC turned out to be an achievement for NSS as the participating volunteers made their way to the final round of Movie Making Competition and represented the College at IIT Roorkee.

Another highlight of this session has to be the massive Self Defence Programme organised at a larger scale in the early days of January.

### **Women Development Cell**

The Women Development Cell of Deshbandhu College was formed in the month of Feb. 2018 with the convenorship of Dr. Rama Singh, Dr. Ruby Mishra as Secretary, Dr. Seema Gupta, Ms. Harindri Chaudhary, Dr. Vandana Mathur, Ms. Purna Kumari & Sheela Singh as its members. The aim of this cell is to fight against all injustices women face in their day to day life and to make them self dependent. W.D.C. organised its first event 'a talk' on 16<sup>th</sup> Feb 2018 on "Portrayal of women in media". The event started with formal lighting and Saraswati Vandana and followed with the deliberation of the speakers Chairperson of this programme Prof. Kapil Kumar (Director, Centre of Freedom Struggle and Diaspora Studies, IGNOU), Chief Guest Ms. Kiran Chopra (Director, Punjab Kesri), Guest of Honour Ms. Sarjana Sharma (Media Consultant, Freelance Journalist) and Keynote Speaker Ms. Sandhya Jain (Senior fellow, Nehru Memorial Museum and Library, Columnist and Author). The event concluded with a formal vote of thanks and National Anthem.

## **Student's Union Advisory Committee**

The student's union advisory committee worked closely with the students union to ensure a holistic student development which was inclusive and collaborative. The students Social responsibility was highlighted and developed in the course of which the Union organized a camp for the under privileged in association with Goonj .The Union was encouraged to innovate and explore. The union organized an event in collaboration with Radio Mirchi to spread awareness on the ill effects of drugs and promote an addiction free life. Their slogan, "Get high on your Talent" "Simple living and high thinking" a slogan coined, was implemented in letter and spirit. The oath taking was consciously a simple ceremony and austerity measures reflected in most events. .The Union addressed the issues and concerns brought to their attention by the students and dealt with these to the best of their abilities and satisfaction of the students. *Sabrang*, the annual cultural fest was successfully organized.

## **PLACEMENT CELL**

Placement cell of Deshbandhu College is 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 been a guiding force for the students and helped them to work on their skills, aptitudes, strengths and weaknesses. The vision of the Placement Cell has always been to guide the students for the enrichment of lives and the fulfillment of their dreams.

The academic year 2017-18 was exceptionally good for us as we were successful in bringing some of the best organizations to campus and it's a matter of pride that more than 75 of our college students, including graduates and current students have been placed so far this year. At present almost all the students seeking jobs after graduation have been offered with at least one job. Still many more companies are approaching for campus placement drive. The Placement Cell scenario has definitely improved as compared to the previous years with regard to both the pay being offered and number of companies coming in for on campus recruitments. The graph has gone upwards this year with more than double the number of students being placed in comparison to the previous years.

The following is an abridged list of the corporate sectors where Deshbandhu students have been placed:

Induschem – 26<sup>th</sup> September 17 '

Recruited Chemistry students as Chemisrty Trainee Executive.

Urban Clap - 28th October '17

Recruited 4 students for the profile of customer experience specialist.

HDFC Life- 23rd January '18

Recruited students for the profile of Executive Sales Trainee.

FIS Global - 6th February '18

Dewanu Beniwal got selected with a package of 3.75 lakhs for the post of Client Servicing

Genpact – 7<sup>th</sup> February 2018

Recruited students for the profile of Process Associates.

Apart from the on-campus placement drives, the Placement Cell also encouraged the students to participate in walk-in interviews of companies, Connect2India, Alight Solutions, IDBI Federal etc.

The Placement Cell helped students to register for internships in companies such as: Scrap Labs, RoseGrey India, Awign, IDBI Federal, Uber etc.

Last but not least, it gives me immense pride to announce that our college has been conferred upon two prestigious awards by International Association of Educators For World Peace, affiliated to United Nations. These are “**Best Managed Library Award 2017**” and “**World Ecology Environment and Development (WEED) Award 2017**”.

**Dr Ajay kr Arora**

**Principal, Deshabndhu College**

## **Department of Bengali**

Dr .Antara Chaudhuri-

- 1.Convenor- Faculty Development Programme,Deshbandhu College,September,2017
- 3.Convenor- Annual Seminar & cultural festival SPANDAN, April,2018
- 4.Published an article titled" Sada Canvas" in Hindol magazine(Issn No.0976-0989,issue no.32,year 8,no.4)

## **Biochemistry**

Departmental activity

Department organised an invited lecture on “Introduction of Epigenetics and Human Diseases” by Dr. Ashok Sharma, Assistant Professor and Faculty-In-Charge: Division of Neurobiochemistry, Department of Biochemistry, AIIMS on 25<sup>th</sup> October, 2017 at Deshbandhu College.

Dr. Rajni Jain

Extension Lectures Organised:

As an Organizer, Organising Committee, organized Inaugural Lecture of Departmental fest, Biospark, 2016 session on “Dream to Achieve - Victory over Cancer" by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi South Campus on 27<sup>th</sup> March, 2017 at Deshbandhu College.

As an Organiser, Organising Committee, organised Lecture on “Introduction of Epigenetics and Human Diseases” by Dr. Ashok Sharma, Assistant Professor and Faculty-In-Charge: Division of Neurobiochemistry, Department of Biochemistry, AIIMS on 25<sup>th</sup> October, 2017 at Deshbandhu College.

Dr. Kamana Singh

Book Published:

1. Wrote a book chapter on, “Women Empowerment through skill development”, edition 2015, published by Discovery Publishing House Pvt Ltd, New Delhi, ISBN 978-93-5056-7562.

Extension Lectures Organised:

As a Member, Organising Committee, organized Inaugural Lecture of Departmental fest, Biospark, 2016 session on “Dream to Achieve - Victory over Cancer" by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi South Campus on 27<sup>th</sup> March, 2017 at Deshbandhu College.

As a Member, Organising Committee, organised Lecture on “Introduction of Epigenetics and Human Diseases” by Dr. Ashok Sharma, Assistant Professor and Faculty-In-Charge: Division of Neurobiochemistry, Department of Biochemistry, AIIMS on 25<sup>th</sup> October, 2017 at Deshbandhu College.

Dr. PreetiKarwal

Extension Lectures Organised:

As a Member, Organising Committee, organized Inaugural Lecture of Departmental fest, Biospark, 2016 session on “Dream to Achieve - Victory over Cancer” by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi South Campus on 27<sup>th</sup> March, 2017 at Deshbandhu College.

As a Member, Extension Lecture Committee, organised Lecture on “Economic Vision of Pt. DeendayalUpadhyay” by Mr. Sheshadri Chari, member, BJP National Executive committee on 25<sup>th</sup> September, 2017 as a part of Pt. DeendayalUpadhyay’s birth centenary celebration at Deshbandhu College.

As a Member, Organising Committee, organised Lecture on “Introduction of Epigenetics and Human Diseases” by Dr. Ashok Sharma, Assistant Professor and Faculty-In-Charge: Division of Neurobiochemistry, Department of Biochemistry, AIIMS on 25<sup>th</sup> October, 2017 at Deshbandhu College.

Dr. VineetaKashyap

Extension Lectures Organised:

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Dr. PrabhaArya

Research publication:

1. AnkitSrivastava, Jasdeep Singh, Shiv Pratap Singh Yadav,PrabhaArya, FouziaKaleem, Pooja Rose, Ashish, BishwajitKundu. (2018) Gelsolin pathogenic D187N mutant displays altered conformational dynamics and forms amyloidogenic oligomers. Accepted in ACS journal of Biochemistry.

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Dr.VanshikaLumb

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Dr. Rashmi Dudeja

Extension Lectures Organised:

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As a Member, Organising Committee, organised Lecture on “Introduction of Epigenetics and Human Diseases” by Dr. Ashok Sharma, Assistant Professor and Faculty-In-Charge: Division of Neurobiochemistry, Department of Biochemistry, AIIMS on 25<sup>th</sup> October, 2017 at Deshbandhu College.

## Department of Botany

The inaugural function of the Botanical Society (“Sanjeevani”) of the Department of Botany was held on 13<sup>th</sup> October, 2017. Eminent scientist, Prof. Anil Grover of the Department of Plant Molecular Biology, UDSC, gave the inaugural lecture on “Future Agriculture: Stress tolerant transgenic plants”, which was enthusiastically attended by teachers of various Departments and students alike. Various inter-college events were also organized for the students viz., “Create an ecosystem”, Vegetable art”, “Extempore”, “Rangoli” and “Sketch a live specimen” competitions. The department was also actively involved in organizing and conducting the INSPIRE programme of DBT, wherein more than 200 students from several schools participated.

Dr. MeenakshiPrajneshu

- **Research Article:**

NitiPathak, MeenakshiPrajneshu, Laxman Kumar, A. Ramlal (2018) Bioefficacy of weed based extracts in the control of Rhizoctonia root rot disease of Buckwheat. DU Journal of Undergraduate Research and Innovation, 3(1), 50-56.

- **Book Chapter:**

NitiPathakBhaduri and MeenakshiPrajneshu (2017) Buckwheat: A Therapeutically Underutilized Crop in Proceedings of National Conference on Pharmacognosy: Scope of phytochemically unexplored medicinal plants, Ch-13, 141-145.

Dr. Sarla Gupta

Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27,2017

**Dr. Bela Bhatia**

- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Awarded certificate of appreciation as **Science Ambassador 2017**, 1<sup>st</sup> Science Ambassador Programme, a seminar and workshop on recent developments in Biotechnology organized by Bio-Rad Laboratories in association with Deshbandhu College, University of Delhi, and St. Thomas Girls Sr. Sec. School on 6<sup>th</sup> Nov, 2017.
- Worked as **Dy. Coordinator** of the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.
- Convener of certificate memento and prize distribution committee; stage and auditorium committee for “INSPIRE Internship Programme 2017” organized by Deshbandhu College, University of Delhi, from December 18-22 2017.



- Convener, practical programme committee of Botany for “INSPIRE Internship Programme 2017” organized by Deshbandhu College, University of Delhi, from December 18-22, 2017.

Dr. Roshni Rajamohan Mathur

- Participated in the INSPIRE Internship Programme -2017 as Resource person in the Department of Botany organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.
- Participated and presented a poster entitled “ Naobiosensors: An emerging field in medical diagnostics” in BIOTIKOS 2017 “ Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi.
- Participated and presented a poster entitled “ Naobiosensors: An emerging field in medical diagnostics” in BIOTIKOS 2017 “ Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi
- Participated in the XXVII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics Priorities and Challenges- “Poster presentation on the topic entitled :Pollination biology and breeding system of maple species *Acer oblongum* Wall. ex DC. (Sapindaceae) showing mixed syndromes of insect and wind pollination”organised by Department of botany, University of Delhi

Dr. Dharmendra Kumar Mallick

- Selected as *Plantae Fellow* (2017-18) of prestigious American Association of Plant Biology (ASPB)
- Nominated as *Member* of prestigious Botanical Society of America
- Participated and presented a poster entitled “ Naoparticle – induced toxicity: A possible threat to susceptible population and safety measures in biomedical design” in BIOTIKOS 2017 “ Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi.
- Participated and presented a poster entitled “ Naobiosensors: An emerging field in medical diagnostics” in BIOTIKOS 2017 “ Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi
- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Awarded certificate of appreciation as **Science Ambassador 2017**, 1<sup>st</sup> Science Ambassador Programme, a seminar and workshop on recent developments in Biotechnology organized by Bio-Rad Laboratories in association with Deshbandhu College, University of Delhi, and St. Thomas Girls Sr. Sec. School on 6<sup>th</sup> Nov, 2017.
- Participated in the INSPIRE Internship Programme -2017 as Resource person and Convener of the Department of Botany organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.

Dr. Rajender Kumar

- **Research Article:**  
Rajender Kumar Sharma & Shashi Sharma (2017). Seed longevity, germination and seedling vigour of *Rheum australe* D. Don.: A step towards conservation and cultivation. *Journal of Applied Research on Medicinal and Aromatic Plants*. 5(1): 47-52.
- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017.
- Participated and presented a poster entitled “Naoparticle – induced toxicity: A possible threat to susceptible population and safety measures in biomedical design” in BIOTIKOS 2017 “Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi.
- Participated and presented a poster entitled “Naobiosensors: An emerging field in medical diagnostics” in BIOTIKOS 2017 “Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi

Dr. Aparna Nautiyal

- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Participated in the 1<sup>st</sup> Science Ambassador Programme, a seminar and workshop on recent developments in Biotechnology organized by Bio-Rad Laboratories in association with Deshbandhu College, University of Delhi, and St. Thomas Girls Sr. Sec. School on 6<sup>th</sup> Nov, 2017.
- Participated and presented a poster entitled “Naoparticle – induced toxicity: A possible threat to susceptible population and safety measures in biomedical design” in BIOTIKOS 2017 “Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi.
- Participated and presented a poster entitled “Naobiosensors: An emerging field in medical diagnostics” in BIOTIKOS 2017 “Trends in Nanobiotechnology” held on 28<sup>th</sup> – 29<sup>th</sup> September, 2017 at TERI University, New Delhi

Dr. Anju Chhibbar

- **Book Chapter:**  
Chhibbar AK and Yadav S (2018) Plant Virus Interactions In : Molecular aspects of plant pathogen interaction eds Singh A and Singh IK, Springer publications, pp 43-77.
- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Participated as a resource person in the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.

- Participated in the 1<sup>st</sup> Science Ambassador Programme, a seminar and workshop on recent developments in Biotechnology organized by Bio-Rad Laboratories in association with Deshbandhu College, University of Delhi, and St. Thomas Girls Sr. Sec. School on 6<sup>th</sup> Nov, 2017.

Dr. Sourav Singh Deo

- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Participated in the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.

Dr. Vinay Shankar

- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Participated in the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.

Dr. Madhu Rani

- Research Article:  
Madhu Rani et al (2017). Pachyteneanalyses in some genera of minor millets. *Cytologia*.82(5).
- Participated as a in the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.

Dr. Sunita Malik

- Research Article:  
Sunita Malik, K.C. Upadhyaya, S.M. Paul Khurana (2017). Phylogenetic analysis of nuclear-encoded RNA maturases. *Journal of Evolutionary Bioinformatics*, 13: 1-15.
- Will be awarded Ph. D. degree in the convocation to be held on 24<sup>th</sup> February.

Dr. Rubina Chongtham

- Awarded Ph. D. degree in Botany in the 94<sup>th</sup> Annual Convocation of the University of Delhi.

- Participated in National Workshop on Technical Terminology in Science Teaching organized by Commission for scientific and Technical Terminology, MHRD, at Deshbandhu college, University of Delhi, from October 26-27, 2017
- Participated in the INSPIRE Internship Programme -2017 organized by Deshbandhu college, University of Delhi, held from December 18-22, 2017.

Dr. Neha Yadav

- Research Article:
  - i. Yadav N, Pandey A.K. and Bhatnagar A.K. 2017. Original research paper entitled “Comparative Anther and Pistil Anatomy of Three Flowering Morphs of *Acer oblongum* Wall ex DC. (Sapindaceae) and it’s Adaptive Significance” accepted in the International Journal Wiley – Nordic Journal of Botany, DOI; 10.1111/njb.01572
  - ii. Yadav N, Pandey A.K. and Bhatnagar A.K. 2017. Original research paper entitled “Temperature regulated seed germination in *Acer oblongum* Wall. Ex DC. (Sapindaceae) – A threatened Himalayan species published in Pleione 11(1): 10-15; ISSN: 0973-9467
- Participated in the XXVII Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on Plant Systematics Priorities and Challenges- “Poster presentation on the topic entitled :Pollination biology and breeding system of maple species *Acer oblongum* Wall. ex DC. (Sapindaceae) showing mixed syndromes of insect and wind pollination”organised by Department of botany, University of Delhi
- Awarded Ph. D. degree in Botany in the 94<sup>th</sup> Annual Convocation of the University of Delhi.

Dr. Niti Pathak

- Research Article:  
NitiPathak, MeenakshiPrajneshu, Laxman Kumar, A. Ramlal (2018) Bioefficacy of weed based extracts in the control of Rhizoctonia root rot disease of Buckwheat. DU Journal of Undergraduate Research and Innovation, 3(1), 50-56.
- Book Chapter:  
NitiPathakBhaduri and MeenakshiPrajneshu (2017) Buckwheat: A Therapeutically Underutilized Crop in Proceedings of National Conference on Pharmacognosy: Scope of phytochemically unexplored medicinal plants, Ch-13, 141-145.

## **Department of Commerce**

During the year 2017-18, the following activities were conducted by the Commerce Society -

1. Seminar on GST - An enriching session on the newly introduced tax reform going into the intricacies of the topic. It was conducted by Prof O.P Sharma, Director at ICFAI Business School.

2. Seminar on education abroad - In collaboration with 'Admissify' educators, the students were exposed to ways and options to study outside India.

3. Minerva'18 : The Annual Commerce Fest included 5 events.

### **Department of Chemistry**

Chemical society of Department of Chemistry organised an inaugural function “Resonance 2017” on 14<sup>th</sup> September 2017. In this programme Dr. S.K. Dhawan has delivered an invited lecture on the topic of “Importance of Conducting Polymers”. Dr. S.K. Dhawan is a Chief Scientist from National Physical Laboratory in the division of Material Physics and Engineering. During his talk he introduced the concept of conducting polymers and highlighted the major importance and applications of these novel polymers in the area of corrosion protection and barrier from electromagnetic radiations. The overall session was quite interactive and enthusiastic.

Department of Chemistry has participated in a 5 days workshop organised by Innovation in Science Pursuit for Inspired Research (INSPIRE-2017) sponsored by Department of Science and Technology from 18<sup>th</sup> -22 December 2017. During this workshop various school students were provided with the concept and hand on experience on the topic of “ Innovative approach in pH sensing and its influence on life and surroundings”.

The Chemical Society of Department of Chemistry organized an one day Chemistry Annual Festival “Resonance- 2018” on 3<sup>rd</sup> April 2018. Dr. G. S. Sodhi was the Chief Guest of this programme who delivered a very interesting and innovative talk on the topic of “Role of Chemistry in developing fingerprints on crime scene evidence. Dr.G. S. Sodhi is an eminent professor from S.G. T. B. Khalsa College, University of Delhi. He is the recipient of various prestigious national and international awards for his contribution in the area of forensic science and finger print development.

### **Department of Economics**

#### **ENACTUS DESHBANDHU**

Enactus Deshbandhu with the support of faculty advisor, Dr. Savita Singh came into existence in September 2016 with 32 Ordinary teenagers having a goal in mind to uplift the weaker sections of our society. Following are the events that took place during the year 2017-2018 :

- 'KHWABEEDA' – First Annual Magazine Launch in Sept. 15,2017
- Enactus India in collaboration with India@75 Foundation celebrated National Volunteering Week 2018 from 18 to 24 January.

Deshbandhu college economics society organized various seminars for the upliftment of the students on various topics:

- Seminar on topic "college to corporate", Dec. 10,2017.
- Seminar on topic "Artificial Intelligence: challenges ahead", Nov. 11, 2017.
- Seminar on topic "Opportunities don't happen you create them", Feb. 2, 2018.
- Seminar on topic "Career opportunities", Feb. 13, 2018.

Academic Achievement of the Faculty members

Mrs, Neha Jain (Assistant Professor)

Paper Presentations:

- 8<sup>th</sup> Annual Conference on Economic Growth and Development, Indian Statistical Institute, Delhi, 2012, "Cost Overruns in Procurement", with Prof. Ram Singh.
- 10<sup>th</sup> Annual Conference on Economic Growth and Development, Indian Statistical Institute, Delhi, 2014, "Procurement Contracts and Adaptation Costs", with Prof. Ram Singh.

Publications/ Research Papers:

- "Cost and quality analysis of public and private schools", EXCEL International Journal of Multidisciplinary Management Studies, EIJMMS, Vol.5 (5), MAY (2015), 30-42.
- "Traditional procurement vs ppp in transport sector: Analysis of cost and benefit", EXCEL International Journal of Multidisciplinary Management Studies, EIJMMS, Vol.5 (5), MAY (2015), pp. 84-93.
- "Public Private Partnership in India", ZENITH International Journal of Business Economics & Management Research, ZIJBEMR, Vol.5 (5), MAY (2015), pp. 120-130.
- "Demographic Dividend in India", ZENITH International Journal of Multidisciplinary Research Vol.5 (5), MAY (2015), pp. 74-84.
- Book Review: "Private Property and Takings Compensation: Theoretical Framework and Empirical Analysis", Indian Economic Review, published by Delhi School of Economics (Delhi/India).
- Research paper on "Settlement and Litigation with Endogenous Costs: The Compounding Effect", with Prof. Ram Singh (work in progress).
- Submitted Thesis titled "Issues in Economics of Public Procurement".

Ms. Madhuri Pal (Assistant Professor)

Seminar and conferences:

- Participated in "Women's Leadership Summit 2017" jointly organized by Women's Manifesto, Department of Social Work, University of Delhi and Human Welfare Foundation held at the Department of Social Work, University of Delhi on 8<sup>th</sup> April 2017

Juhi Lohani Harjani (Assistant Professor)

Publications:

- Published a paper titled "Impact of trade liberalization on employment in the Indian manufacturing sector" in International Journal of Research in Humanities and Social Studies, vol-4, Issue-3, March 2017.

Mr. Nadeem Ahmad (Assistant Professor)

Publications:

- ♦ Research Paper, entitled "Health shock, catastrophic expenditure and its consequences on welfare of the household engaged in informal sector", has been published in a journal "Journal of Public Health" DOI 10.1007/s10389-017-0829-9. Springer-Verlag GmbH Germany 2017.
- ♦ Research Paper, entitled "THE DILEMMA OF MATERNAL EMPLOYMENT: A BOON OR BANE FOR CHILD HEALTH", has been published in a journal "South Asia Journal of Multidisciplinary Studies" Volume 3, No 6 (2017). ISSN No. 2395-1079.
- ♦ Research Paper, entitled "Degree and Pattern of Regional Heterogeneity in Child health: a Principal Component Analysis Approach", has been published in a journal "International Journal of Socio-legal Analysis and Rural Development" Volume 3 (2017). ISSN No. 2455-4049.

Paper Presentations:

- ♦ Present a paper titled "Health Shock and its effects on Welfare of the Household" in a International Seminar on New Paradigm of Economic Development: social and environmental dimension organized by DAAD, Germany held at JNU, between 4-8 December, 2017.

## **Department of English**

In its endeavor of providing holistic development to its students, The Department of English has formed the Literary Society, comprising of English Honours Students in the session 2016-17, under the supervision of esteemed faculty members. Year 2017 proved to be the great year for the department since the literary society ventured out to organize *Carpe Diem-2017*, the second literary fest of our department. Opening its wings, the literary society has brought forth the *Carpe Diem-2018* on the 12<sup>th</sup> of April, 2018 with Dr Anuradha Ghosh, JMI as the Chief Guest. Competitions like Open Mike, Photography, Converse Poetry, Tiny Tales, and Literary Quiz etc. are a few names to be taken which provide students a platform to explore their literary aesthetics and win exciting prizes. The fest received a lot of participants not only from our college but also from the other colleges of the University of Delhi.

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## TALKS DELIVERED

1. **P.K. Rajan Memorial Lecture** at the Senate Hall , Thiruvananthapuram on *Nation and Narration*, July 5, 2017
2. A lecture on *Culture Studies and Modes of Resistance* at Women’s College, Thiruvananthapuram, Kerala on July 6, 2017.
3. A lecture on Samakaalika Novel: Bahuswarathayum Prathishedhavum organized by the Malayalam department, Calicut University, Keralam on July 8, 2017
4. A lecture titled *Indian Secularism: Aspirations and Differences* at M.E.S. College, Mannarkadu, Keralam on July 9, 2017.
5. Delivered the Keynote address in the U.G.C. sponsored national conference on *Gilles Deleuze and Nagarjuna* organized by the Department of English, St. Thomas College, Palai, Keralam on August 16, 2017
6. A lecture on *Popular Culture and Popular Fiction* at Dayal Singh College, Delhi University on November 13, 2017, organized by the English Department
7. A lecture titled *Questions of Thought and Modes of Resistance : Paradoxes of Living and Thinking in times of Intolerance* at St.Stephens College, Delhi University, organized by Students Society on January 29, 2018.
8. A lecture titled Assumptions of Time and Digressions in the Eighteenth Century English Novel with particular reference to Tristram Shandy at Lady Sreeram College on February 12, 2018.

## Papers Presented

1. *Translated Spaces and (Trans)created Bodies in Pettina Gappah’s The Book of Memory and in the selected narratives of W.G. Sebald* at the three day International Conference on *Postcolonial Literatures and Translation* organized by the English Department in collaboration with the Germanic and Romance Studies, Delhi University on 15-17 March, 2018.
2. *Becoming a Tree is more Beautiful than Becoming an Animal* in the three day International Conference on *Literature and Environment: The Promise of Ecological Criticism* organized by the Department of English, Kashmir University, March 26-28, 2018.

## Academic Papers/ Articles published

1. “ Vidrohi Bhagat Singh Vilicha Mudravakyangal “in Mathrubhumi Weekly, June 2017. Pp. 10-22.
2. “Oru Divasam Muzhuvanum: Enpathu Lokangalil” in Malayalam Weekly, September 1, 2017, Pp. 80-84.



3. “Sadhyamakenda Rashtreeyavum Sadhyathakal Kuranja Vishwasangalum” in Patabhedam Magazine, September 2017, Pp. 19-21.
4. “Adhinivesham, Adhunikatha, Charithram” ( A review of Sumit Sarkar’s *Modern Times*) in Mathrubhumi Weekly, November 19, Pp.84-85.
5. “Europpile Ezhuthu Sauhridangal “( A review of Volker Weidermann’s *Summer Before the Dark*) in Malayalam Weekly, November 2017, Pp. 90-95.
6. *October Viplavathile Trotsky* in Malayalam Weekly, October 9, 2017, Pp. 59-68.
7. “Rulfoyude Kozhipporu” ( A review of Juan Rulfo’s *The Golden Cockerel and Other Writings*) in Malayalam Weekly, December 4, 2017.
8. *Addressing the Nation State and Unseen Passages* in Arundhati Roy’s *The Ministry of Utmost Happiness* in *Journal of Literature and Aesthetics* . Jan-June 2017. Vol. 17, Number 1, [ ISSN: 2278-523X] Pp.7-20, 2017.
9. *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.

Dr Varsha Singh :

- 1) Presented a research paper entitled “Ancient Culture: A Challenge in the Present Education System” in a National Conference on Learning, Education and Culture organized by the Department of Education, Lady Irwin College, University of Delhi.
- 3) Research paper entitled “Memory and Trauma: Reconstruction of History in the Novels of J. M. Coetzee and M. G. Vassanji” published in the UGC approved international journal *Language in India*, Vol.17: December 2017, ISSN -1930-2040.
- 4) Research paper entitled “Toni Morrison’s Beloved: A Documentation of Past” published in the UGC approved international journal *EDU CARE*, vol. V, ISSN 2319-5282.
- 5) Research paper entitled “Memory of Stones: A Saga of Historical Modalities” published in the special issue on African Literature of *GNOSIS*, a UGC approved international journal with ISSN 2394-0131.

### **Department Of Mathematics**

The Department of Mathematics conducted following events in the Academic Year 2017-18

1. A faculty-students lecture on Analysis was conducted in the Department on 15 September, 2018. The speaker was Prof. Ajeet Iqbal Singh, Department of Mathematics, University of Delhi.
2. A faculty-students lecture on Algebra was conducted in the Department on 03 April, 2018. The speaker was Prof. S. K. Jain, Department of Mathematics, Ohio University.
3. The Department organised its two day Annual Fest “SAMUCHYAM-2018” on 16-17 March, 2018. The details are:

### KSHITIJ'

Mathematics society of Deshbandhu College

'KSHITIJ'-' Mathematics society of Deshbandhu College' celebrated its annual day, a two-day annual festival "Samuchyam-2018". The first day of the event took place in Seminar Hall on 16th March 2018. The event was open to all the staff and the students of the colleges of Delhi University and NCR located colleges. The event was inaugurated by the address of chief guest Prof. Jaimala, Professor, Department of Mathematics, CCS University Campus, Meerut.

The event was presided by 'KSHITIJ' -mathematics society of Deshbandhu College. The event was aimed to highlight creativity and innovative actions of the participants through various competitions such as Rangoli making competition, Treasure Hunt, Slogan-Logo Quiz and Sudoku.

'KSHITIJ' organizes Samuchyam every year with a great enthusiasm.

Similarly the second day of the event (17<sup>th</sup> March 2018) consisted of many such competitions and students participated in large numbers.

### Department of Physics

#### Departmental Activities

1. The inaugural function of the Physics society took place on 07/11/2017. Two speakers were invited to deliver the inaugural lectures. The first speaker was Prof. Vinay Gupta ( University of Delhi, North Campus) who spoke on sensors. The second was Prof. A. Kapoor ( University of Delhi, South Campus) who spoke on switching operation.
2. The Physics society “Coherence” celebrated its annual festival on 13 th April, 2018. Two speakers were invited to deliver the lectures. The first speaker was Prof. R.M. Mehra (Sharda University) who spoke on Memristor- a non-volatile, electrical component that limits the flow of electrical current in a circuit and retains the memory of the amount of charge that has previously flown through it. The second was Prof. Amerjeet Kaur( University of Delhi, North Campus) who spoke on conducting polymers. Such compounds may have metallic conductivity or can behave as semiconductors. The typical properties of polymeric materials are strength, flexibility, elasticity, stability, mouldability, ease of handling, etc.

Dr. Partha Goswami

**Publications:** Papers published during 2017-2018:

1. Partha Goswami, " Dielectric properties of graphene on transition metal dichalcogenide substrate (Manuscript No pssb.201600827) ” . Published in the journal *Physica Status Solidi B: Basic Solid State Physics*. 1600827 (2017) / DOI 10.1002/pssb.201600827.

2. Partha Goswami, " Effect of ferromagnetic exchange field on band-gap and spin-polarization of graphene on a TMD substrate". Published in *PRAMANA Journal of Physics*, Vol. 90, No.3, page 40, March 2018.

CORRECTION : The typical properties of polymeric materials have strength, flexibility

### **Department of Philosophy**

Dr Arati Barua :

- 1) “ Mother Teresa Global Award for excellence” by IIFS ( India Internatioanl Friendship Society) in 2017 at Delhi, IIC.

This award was presented to Dr Barua in honour of extra-ordinary contribution and meritorious performance to Eminent Politicians, Social Workers, Educationists, Industrialists, and Sports Persons, for their contribution towards the society in her field of endeavours..

Book (Edited) :

- 1). “ Schopenhauer on Self, World and morality: Vedantic and Non- Vedantic perspectives” , Edited by Arati Barua, Springer Nature , 2017. ISBN No 978-981-10-5953-7

Research Papers:

“Introducing Schopenhauer’s Philosophy of the World, Self and Morality in the light of Vedantic and Non- Vedantic Wisdom “ in *Schopenhauer on Self, World and morality: Vedantic and Non- Vedantic perspectives* Edited by Arati Barua, Springer Nature , 2017. ISBN No 978-981-10-5953-7

Member of International Academic Bodies:

1. She is the Founder Director of the *Indian division of the Schopenhauer society (IDSS)*, a division under Schopenhauer Gesellschaft, Germany.
2. She is an elected member of the Scientific Advisory committee of the Journal *Schopenhauer Year Book*, Germany.
3. A member of INTERNATIONAL NETWORK OF WOMEN PHILOSOPHERS SPONSORED BY UNESCO WHO’S WHO.

## **Punjabi Department**

Kuljit Singh Bhatia

Edited and translated , Mozealtehorkahaniyaan(An anthology of Sadat HasanManto's Stories)

ISBN : 978-81-7116-701-2.

## **Department of Zoology**

Formation of the Zoological Society

The Zoological Society, which organizes the departmental annual fest Chimaera, was constituted for the academic session 2017-2018 and posts of President, V. president, Secretary, Treasurer and Librarian were assigned to the various students of the B.Sc. (H) Zoology I, II and III year.

### **Chimaera 2018**

The Zoological Society, organized its annual festival “Chimaera-18” on February 16 and 17, 2018 with the enthusiastic participation of the students from different Colleges of the University of Delhi, other universities in NCR, Medical Colleges and I.I.T. Delhi. Many events were organized which witnessed the active and enthralling participation of the students. This time some new events like Pot Designing, Pictionary and Doodle Arts were started.

### **Academic Talk**

Professor Vinod Kumar, Department of Zoology, University of Delhi delivered a talk on Biological Rhythm on 19 September, 2017. Students of B.Sc. I, II III year Hons. and B.Sc. Life Sciences attended the talk and interacted with the speaker after the talk. The active participation of all the faculty member and interaction with the speaker was commendable. Professor T R Rao, retired Professor IISER, Mohali delivered an interesting talk on “Animal Communication” on February 16, 2018.

Excursion Tour to Puducherry (December 28, 2017 to January 05, 2018)

The Department of Zoology organized an excursion to Puducherry, from December 28, 2017 to January 05, 2018 with an aim to explore the marine biology of Eastern Ghat. The tour was led by Dr. Sunil Kayesth (teacher-in-charge) and Mr. Mohd Shazad (Faculty member), Mr. Jagbir Singh (Senior Technical staff), Mr. Anand Singh Dahiya (Senior Lab Assistant), Naveen Jangra (Lab Attendant) and thirty-nine students of B.Sc. (H) Zoology I, II and III year. We visited Sri Aurobindo Ashram, Rock Beach (Promenade beach), Mahatma Gandhi Statue, French War Memorial which was also mesmerizing and learning experience of historical aspect. On third day, in the morning again we interacted with the Fishermen and noticed sea pollution which included plastic bags, plastic bottles, glass bottles, wrappers, discarded fishing nets etc. Students also collected some of the marine animals from the fishermen like crustaceans, Echinoderm, Chondrichthyes and Osteichthyes. These animals are now part of our Zoology Museum. Later on, we visited the Museum of Puducherry, Auro beach, Basilica of the sacred heart of Jesus. We

could see a good collection of rare bronze and stone sculptures in Puducherry museum. We could also see the wood fossil. On last day, we visited to the Mangrove forest (Pichavaram), Natarajan Temple, Silver Sand Beach. Pichavaram is located near Chidambaram and is the world's second largest mangrove forest. Twenty different type of mangrove trees are present in the forest like *Rhizophora apiculata*, *Rhizophora mucronata*, *Ceriops decandra*, *Aegiceras corniculatum* etc. we observed the stilt root and aerial roots.

#### Local Trips

Educational trip to National Institute of Immunology

Department of Zoology, Deshbandhu College organized one-day educational trip to NII on October 12, 2017, for III<sup>rd</sup> year Zoology Hons. Students under the supervision of the Dr. Indrakant K. Singh and Dr. Gouri. The tour was organized with the aim to impart practical knowledge of forefront research in Immunology, Cell biology, Parasitology, Bioinformatics & other allied fields of biology. The tour turned out to be very successful with enthusiastic participation of 30 students who visited various laboratories and also interacted with esteemed scientists and their team, pioneering in their field of research. Mr. Tejpal and Ms. Laxmi from the non-teaching staff of the department also accompanied the group.

#### Contribution to “Swachh Bharat”

The students of Zoology (Hons.), all non-teaching staff members and all teaching faculty members of Zoology department contributed for more than sixty plants and earthen pots. The department has now more than sixty different outdoor and indoor plants in pots to purify the department air and spreading awareness among the students for the importance of the plants. These Plants are now adopted by the students, teaching and non-teaching members for their care.

#### Facilities for the Fish Biology

Developed facilities for the study of the “Aquatic Biology” in the department by assembling five aquariums and also hydroponics system to clean the aquarium.

Facilities for the Aquatic Ecosystem.

Constituted one artificial pond ecosystem to study the Aquatic Ecological aspects.

Dr. Ravi Kant

Associate Professor

1. Member of organizing committee in Inspire 2017-18 organized by Deshbandhu College and Department of Science and Technology.
2. Election officer for the student union election 2017-18.

Dr. (Mrs.) Ranjana Seth

Associate Professor

Papers presented in International Conferences:

1. Seth, R.K., Khan, Z., Rao, D.K. Zarin, M. and Seth, Ranjana (2017) Sperm behavior as a key tool ensuring operative efficiency of radio-genetic 'F<sub>1</sub> Sterility technique' for population suppression of an economically serious Indian pest, *Spodoptera litura* (Fabr.) (Lepidoptera: Noctuidae) in lab and field simulated cages. "Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques", (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria (22-26 May 2017).
2. Seth, R.K., Patil, B.V., Haveri, R. V., Hanchinal, S.G., Zarin, M., Khan, Z. and Seth, Ranjana (2017) Establishing a generic radiation dose as postharvest phyto-sanitary treatment against bruchid species (Coleoptera: Chrysomelidae) infesting legumes. "Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques", (IAEA-CN-248), Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture, IAEA, Vienna, Austria (22-26 May 2017).

#### Foreign Visits:

1. Visited Neurosensory lab of Prof. Dr. Henrik Mouritsen, Carl von Ossietzky University, Oldenburg, Germany (17-21 May 2017)
2. Officially invited & presented a paper, "Establishing a generic radiation dose as postharvest phyto-sanitary treatment against bruchid species (Coleoptera: Chrysomelidae) infesting legumes", in "Third FAO-IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques", IAEA Headquarters, Vienna, Austria (22-26 May 2017)

Dr. Kamal Kumar Gupta  
Associate Professor

#### Research Publications

1. Kayesth, S., Shazad, M., Kumar, S., and Gupta, K. K. (2017) Effect of ethanol extract of *Catharanthus roseus*, *Ocimum sanctum* and *Lantana camara* on fecundity and fertility of red cotton bug, *Dysdercus koenigii* fabricius (heteroptera: pyrrhocoreidae). Journal of Entomology and Zoology Studies. 5(4): 348-353.

2. 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 Entomologica Sinica. In press.
3. 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." In press

#### Research Publications (Abstracts in International Conferences)

1. Gupta K. K. and Kayesth S. (2017) Bioefficacy of hexane extract of *Ocimum sanctum* on survival, development and reproductive bioactivities of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). Hemipteran Insect Plant Interaction Symposium HPIS 2017, held at Madrid, Spain, June 4-8, 2017. Page 196.
2. Gupta K. K. and Kayesth S. (2017) Bioefficacy of *Ocimum sanctum* on reproductive performance of red cotton bug, *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae). 19<sup>th</sup> International Conference of Entomology 2017, held at Paris, France, October 19-20, 2017.
3. Kayesth S and Gupta K. K. (2017) Bioefficacy of *Catharanthus roseus* on reproductive performance of red cotton bug, *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae). 19<sup>th</sup> International Conference of Entomology 2017, held at Paris, France, October 19-20, 2017.
4. Mohd Shazad and Gupta K. K. (2017) An ecofriendly approach for the management of *Aedes aegypti* by *Ocimum sanctum*. 19<sup>th</sup> International Conference of Entomology 2017, held at Paris, France, October 19-20, 2017.
5. Kumar Shailendra and Gupta K. K. (2017) Influence of farnesol on Growth and Development of *Dysdercus koenigii*. 19<sup>th</sup> International Conference of Entomology 2017, held at Paris, France, October 19-20, 2017.

#### International/National Conference

1. 19<sup>th</sup> International Conference of Entomology, 2017, held at Paris, France, October 19-20, 2017. Presented the research paper entitled "Bioefficacy of *Ocimum sanctum* on reproductive performance of red cotton bug, *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae)". In the oral session and awarded the best presentation award for the same.
2. Prospective and Problems of Biological Products in Crops, Animals and Human Life, held at KTHM College Nasik, Maharashtra, February 2-3, 2018. Delivered plenary Talk on "Insect plant interactions and integrated pest management".

3. Prospective and Problems of Biological Products in Crops, Animals and Human Life, held at KTHM College Nasik, Maharashtra, February 2-3, 2018. Chaired the conference.
4. National Symposium on Safety Measures and Laboratory Ethics, organized by Acharya Narendra Dev College, under DBT Star College scheme on February 21-22, 2018. Delivered invited talk on “Challenges in working with living organism”

#### E-content Developed

1. Transgenic animals: Creation of transgenic animals. E-content for postgraduate course. NME-ICT in Zoology under MHRD project
2. Transgenic animals: Applications. E-content for postgraduate course. NME-ICT in Zoology under MHRD project.
3. Principles of inheritance and variation. Module 1: Pedigree Analysis. Development of e-resources in biology for higher secondary school. NCERT.
4. Principles of inheritance and variation. Module 1: Sex determination. Development of e-resources in biology for higher secondary school. NCERT.

#### Resource Person for the Programme

1. ‘Online course in teaching of science at upper primary stage’. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, February 19-23, 2018.
2. ‘Development of kit based handbook of understanding science through activities games and art forms at upper primary and secondary stages’. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, January 29-February 2, 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, January 8-12, 2018.
4. ‘Development of kit based handbook of understanding science through activities games and art forms at upper primary and secondary stages’. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, December 18-22, 2018
5. ‘Development of Joyful learning of science kit’. Held at division of educational kits, NCERT, New Delhi, December 11-15, 2017.
6. ‘Development of e-Resource in science at the upper primary stage’. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, November 27- December 1, 2017.
7. ‘Development of E-Resources in Biology for higher secondary stage’ Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, November 23-27, 2017.



8. 'Development of Tactile kit at upper primary stage'. Organized by Department of education in science and mathematics, Organized by department of education in science and mathematics, NIE, NCERT, New Delhi, November 6-10, 2017.
9. 'Development of e-Resource in Science at Upper Primary Stage' Organized by Department of education in science and mathematics, CIET, NCERT, New Delhi, September 25-29, 2017.
10. Development of tactile books in biology, physics, chemistry and mathematics. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, August 22-23, 2017.
11. Development of tactile books in science at upper primary stage. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, June 27-30, 2017.
12. Inspire internship programme-2017 organized by Deshbandhu College, University of Delhi, December 18-22, 2017

#### Staff Advisor

Annual festival 'Chimaera-18' of Zoological Society, Department of Zoology, Deshbandhu College.

#### Conference

1. Kayesth S. and Gupta K. K. 2017. "Bioefficacy Of *Catharanthus Roseus* on Reproductive Performance of Red Cotton Bug, *Dysdercus Koenigii* (Heteroptera: Pyrrhocoridae), 19<sup>th</sup>International Conference of Entomology 2017, held at Paris, France, October 19-20, 2017.
2. Gupta K. K. and Kayesth S. 2017. Bioefficacy of *Ocimum sanctum* on reproductive performance of red cotton bug, *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae). 19<sup>th</sup> International Conference of Entomology 2017, held at Paris, France, October 19-20, 2017.

#### Publications (Research papers)

1. Kayesth, S., Shazad, M., Kumar, S., and Gupta, K. K. 2017. Effect of ethanol extract of *Catharanthus roseus*, *Ocimum sanctum* and *Lantana camara* on fecundity and fertility of red cotton bug, *Dysdercus koenigii* fabricius (heteroptera: pyrrhocoridae). Journal of Entomology and Zoology Studies. 5(4): 348-353
2. Kayesth, S., and Gupta, K. K. 2018. Impact of *Lantana camara* hexane extract on survival, growth and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae) Article type Full Length Article CHNAES\_2017\_66\_R1.DOI: 10.1016/j.chnaes.2017.12.002.

#### Dr Sunil Kayasth

1. Organized an excursion tour to Puducherry for the students of B.Sc. Zoology Honors I, II and III year.
2. Member of organizing committee of Inspire 2017-18 organized by Deshbandhu College and Department of Science and technology.
3. Ex-official Member of Library committee 2017-2018.
4. Member, Building Committee (Governing Body) to look into the major Building Project of the College.
5. Teacher-in-charge, Zoology Department, Deshbandhu College w-e-f May 1, 2017 till date.
6. Performed duties like Coordinator of Discipline Committee, Judge for the Film Society Event and Overall discipline to make the SABRANG - 2108 a grand Success.

#### Dr. VarshaBaweja Associate Professor

#### Books published

1. Reproductive Health in India: Concerns and Awareness. Editors: VarshaBaweja and Ruby Mishra; Publisher: Enriched Publications, New Delhi. Pages: 133

#### Publications

1. BawejaVarsha. 2017. Status of Congenital Anomalies in India: A Bird's Eye view. In: Reproductive Health in India: Concerns and Awareness (Ed: VarshaBaweja and Ruby Mishra) Enriched Publications, New Delhi, pp. 121-133
2. Baweja, Varsha 2017. "Interaction of *Steinernemaglaseri*, an entomopathogenic nematode with a predatory fungus *Arthrobotryssuperba* on different nutrient media". Int J Bioeng and Life Sciences, 4(10): 1257.

#### E-Content Developed

1. Endocrine Disruptors. E-content for postgraduate course. NME-ICT in Zoology under MHRD project

#### Seminars/Conferences of the National/ International level participated/ presented

1. A paper entitled "Interaction of *Steinernemaglaseri*, an entomopathogenic nematode with a predatory fungus *Arthrobotryssuperba* on different nutrient media" presented in 19<sup>th</sup> International Conference on Entomology, Paris in October, 2017

#### Other Academic achievements

1. Chaired a session in an International Conference on Entomology, Paris in Oct, 2017

2. Got the best presentation award for the paper presented on “Interaction of *Steinernemaglaseri*, an entomopathogenic nematode with a predatory fungus *Arthrobotryssuperba* on different nutrient media” in IntConf on Entomol, Paris.

#### Resource Person

1. Development of e-Resource in science at upper primary stage. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi. 9.1.2017-13.1. 2017
2. Development of e-Resources in science at upper primary stage. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi. 27.11.2017-1.12. 2017
3. Development of joyful Learning of science kit. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi. 11.12.2017 to 15.12.2017
4. Development of kit based handbook of understanding science through activities
5. games and art forms at upper primary and secondary stages’. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi, December 18-22, 2018
6. Online Course in teaching of science at upper primary stage.Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi. 8.1.2018 to 12.1. 2018
7. Development of kit based on handbook on understanding science through activity games, and art forms at upper primary and secondary Stages. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi. 29.01. 2018 to 02.02.2018.
8. Online Course in teaching of science at upper primary stage. Organized by Department of education in science and mathematics, NIE, NCERT, New Delhi. 19.02.2018 to 23.02.2018.

#### Organising Member

1. Inspire Internship Programme, 2017 held at Deshbandhu College, University of Delhi. Dec 18-22, 2017

Dr. Manisha Sengar, Assistant Professor

#### Organizing Member

Inspire Internship Programme, 2017 held at Deshbandhu College, University of Delhi. Dec 18-22, 2017

Dr. Indrakant K Singh, Assistant Professor

#### Book:

1. Singh A and Singh I. K. (eds.) (2018) MOLECULAR ASPECTS OF PLANT-

PATHOGEN INTERACTION” (ISBN 978-981-10-7371-7)

<https://link.springer.com/book/10.1007%2F978-981-10-7371-7>

Research Paper in SCI Journals:

1. 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* 113:869-80. doi: 10.1016/j.ijbiomac.2018.03.027 \*Corresponding author.
2. Singh A., Nath O., Singh S., Kumar S., and Singh I. K. (2018)\* Genome-Wide Identification of the MAPK Gene Family in Chickpea and Expression Analysis during Development and Stress Response. *Plant Gene* 13: 25-35. (doi.org/10.1016/j.plgene.2017.12.001) \*Corresponding author.
3. Singh I. K., Singh S., Mogilicherla K., Shukla J. N. and Palli S. R. (2017). Comparative analysis of double-stranded RNA degradation and processing in insects. *Scientific Reports* 7: 17059 (doi: 10.1038/s41598-017-17134-2)
4. Singh, I. K., Kumar, S., Singh, S. and Singh, A. (2017) Expression profiling of mitogen-activated protein kinase genes from chickpea (*Cicer arietinum* L.) in response to *Helicoverpa armigera*, wounding and signaling compounds. *Journal of Asia-Pacific Entomology* (doi: 10.1016/j.aspen.2017.07.003)
5. Nath, O., Singh, A. and Singh I. K. \*(2017). *In-Silico* Drug Discovery Approach Targeting receptor tyrosine kinase-like orphan receptor 1 for Cancer Treatment. *Scientific Reports* 7:1029 (doi: 10.1038/s41598-017-01254-w) \*Corresponding author.

List of papers presented in conferences-oral & poster:

1. Singh, I. K., Singh, A. and Nath, O. (2018) *In-silico* prediction of active site of Pathogenesis Related-4 protein from *Cicer arietinum* displaying RNase and DNase activities. In National Conference on Protein Structure and Dynamics in Health and Agriculture held on November 3-4, 2017 at Jamia Millia Islamia, New Delhi, INDIA.
2. Singh, I. K., Nath, O., Singh, A. (2018) *In-Silico* Drug discovery approach targeting Ror1 for cancer treatment in National Conference on “Diseases and Drugs: Emerging trends and college, held at Zakir Husain Delhi College held on January 31 to February 01, 2018.
3. Singh, I. K., Jain, D., Tyagi, C., Singh, S., Kumar, S. and Singh, A. (2017) *In-silico* prediction of active site of Pathogenesis Related-4 protein from *Cicer arietinum* displaying RNase and DNase activities. In National Conference on Protein Structure and

Dynamics in Health and Agriculture held on November 3-4, 2017 at JamiaMilliaIslamia, New Delhi, INDIA.

4. Singh, A., Tyagi, C., Nath, O., Mangangcha, I. R., and Singh, I. K. (2017) Structural and Functional characterization of Helicoverpa-inducible Thioredoxin h from *Cicer arietinum*. In National Conference on Protein Structure and Dynamics in Health and Agriculture held on November 3-4, 2017 at JamiaMilliaIslamia, New Delhi, INDIA.
5. Mangangcha, I. R., Pooja Singh, P., Singh, I. K. and Rajesh Sinha (2017) *Mycobacterium tuberculosis stress induced proteins as drug targets against tuberculosis*. In National Conference on Protein Structure and Dynamics in Health and Agriculture held on November 3-4, 2017 at JamiaMilliaIslamia, New Delhi, INDIA.
6. Singh, I. K.\*, Singh, A., Singh, S. and Kumar, S. (2017) Genome-wide expression profiling of Maize in response to polyphagous herbivore *Spodoptera litura*. In Maize Genetics Conference held on March 9-12, 2017 at St. Louise, Missouri, USA.
7. Singh, A., Singh, I. K., Kumar, S. and Singh, S. (2017) Microarray analysis of Maize's early response to mechanical wounding and its comparison to Insect Attack. In Maize Genetics Conference held on March 9-12, 2017 at St. Louise, Missouri, USA.
8. Singh, I. K.\*, Singh, A., Singh, S. and Kumar, S. (2017) Expression profiling of Mitogen-activated Protein Kinase (MAPK) genes from *Cicer arietinum* in response to *Helicoverpa armigera*, Wounding and Signaling compounds. In American Society of Plant Biologists (Annual Meeting), Midwestern Section held on February 4 – 5, 2017 at Purdue Memorial Union, Purdue University, West Lafayette, Indiana. USA.
9. Singh, A., Singh, I. K., Nath, O., Kumar, S. and Singh, S. (2017) Genome-Wide Identification of MAPK Gene Family in Chickpea and Expression Analysis during Development and Stress Response. In American Society of Plant Biologists (Annual Meeting), Midwestern Section held on February 4–5, 2017 at Purdue Memorial Union, Purdue University, West Lafayette, Indiana. USA.

Profession Training/International Course/Workshop:

1. Successfully completed “The 2017 Essential Skills for Next Generation Sequencing **and** Data Analysis Workshop” conducted by University of Kentucky and Bluegrass Community & Technical College, sponsored by the Kentucky Biomedical Research Infrastructure Network on July 10-14, 2017.
2. Successfully completed The National workshop/seminar on “Technical terminology in Science teaching” at Deshbandhu College in association with Ministry of MHRD on

October 26-27, 2017.

Resource Person:

1. Invited as a Resource person in “Development of Syllabus and textbook of biotechnology for Higher Secondary Stage” February 17-21, 2018 Organized by DESM, NCERT, NIE campus New Delhi-110016, India.
2. Invited as a Resource person in “Development of Syllabus and textbook of biotechnology for Higher Secondary Stage” December 13-17, 2017 Organized by DESM, NCERT, NIE campus New Delhi-110016, India.
3. Invited as a Resource person in “Development of e-Resource in Biology at Higher Secondary Stage” November 23-27, 2017 Organized by DESM, NCERT, NIE campus New Delhi-110016, India.
4. Invited as a Resource person in “44<sup>th</sup> Jawaharlal Nehru National Science, Mathematics and Environment Exhibition 2017” October 10-16, 2017 Organized by, School Education Department Madhya Pradesh and NCERT New Delhi, at Bhopal (M.P.), India.

Program Coordinator/Organizer:

1. Nominated as “University Coordinator for Science Ambassador Program” by Bio-Rad Laboratories (India) and organizes its launch program “1<sup>st</sup> Science Ambassador Program 2017” in association with Deshbandhu College, DU at St. Thomas Sr, Sec. Girls School, New Delhi on October 6, 2017.
2. Coordinator, for the “Inspire Internship- 2017” Sponsored by Department of Science and Technology, Government of India at Deshbandhu college, University of Delhi from December 18-22, 2017.

Corporate and Cultural life in the College/University:

1. Convener: Proctorial Committee 2017-18
2. Member: Development Fund Committee 2017-18

Recognition/Award:

1. Conferred “Best Researcher Awards 2017” for outstanding contribution to research from Grace India Educational Charitable Trust New Delhi on October 7, 2017.
2. Invited as “Guest of Honour” in the *Science ambassador program*, a seminar and workshop on recent developments in Biotechnology, organized by *Bio-Rad laboratories* at *Ardee School* (Gurugram) on December 07, 2017

Dr. Moses Rinchui Ngasainao Assistant Professor

Publication:

1. Moses R. N, Kjell N and Chakrabarti R, 2017. “Effect of dietary supplementation of Vitamin C and seeds of *Achyranthes asper* on growth, digestive enzyme activities, immune system and lipid peroxidation in snow trout *Schizothorax richardsonii*”. Madridge Journal of Aquaculture Research and Development. 2017, 1 (1): 24, doi: 10.18689/mjar.2017-105.

Symposium / INSPIRE Internship Programme,

1. 18<sup>th</sup> – 22<sup>nd</sup> December 2018, Deshbandhu College, University of Delhi, India, Organizing member and Resource Person.
2. 3<sup>rd</sup> National Symposium on “Environment: Challenges and Generation Next” held on 31<sup>st</sup> March 2017 at Deshbandhu College, University of Delhi, India, as Organizing committee member
3. Science Ambassador Program (India) 2017 organized by University of Delhi in association with *BIO-RAD* at St. Thomas Girls Sr. Sec. Schools, Mandir Marg, on November 6, 2017 as SCIENCE AMBASSADOR 2017.

Study Tour:

1. “Yamuna 2018” A one-day tour to study the aquatic resources of Yamuna River around Wazirabad, Delhi, for aquarium fish keeping course. B.Sc (Hons.) Zoology 3rd Sem on February 10<sup>th</sup> 2018.
2. “Biodiversity 2017” A one day tour to study man-made/reclaimed ecosystems in Yamuna Biodiversity Park located at Wazirabad, Delhi, for Ecology paper of B.Sc (Hons.) Zoology 1st Sem on September 9<sup>th</sup> 2017.

Departmental Work:

1. 4 Glass aquariums (2.5 x 1.5 x 2) with accessories and a state of art aquaponic system in functional condition for ornamental fish keeping was self-constructed at Zoology Department.
2. Artificial pond ecosystem set up in Zoology Department with aquatic plants collected from Yamuna River as an aquatic ecosystem model for environmental studies students and B. Sc (Hons.) Zoology 1<sup>st</sup> Sem Ecology paper.

Irengbam Rocky Mangangcha, Assistant Professor

#### Conferences and Workshop:

1. 1st Science Ambassador Program (INDIA), November 6, 2017, ST. THOMAS' SCHOOL, Mandir Marg, New Delhi, organized by Dehbandhu College (DU) and *BIO-RAD*.
2. National Conference on Protein Structure and Dynamics in Health and Agriculture, November 3-4, 2017, at Jamia Millia Islamia, New Delhi.
3. 8<sup>th</sup> Bioinformatics Seminar-cum-hands-on training on "R Language and Drug Development", October 30-31, 2017 at Bioinformatics Infrastructure Facility, Jamia Hamdard, New Delhi.
4. 7th DBT-BIF National Workshop on Translational Bioinformatics, February 15-16, 2017 organised by Department of Computer Science, Jamia Millia Islamia, New Delhi.

#### Posters presented:

1. Irengbam Rocky Mangangcha, Pooja Singh, Indrakant K. Singh, Rajesh Sinha. Mycobacterium tuberculosis stress induced proteins as drug targets against tuberculosis. National Conference on Protein Structure and Dynamics in Health and Agriculture, November 3-4, 2017, at Jamia Millia Islamia, New Delhi.
2. Irengbam Rocky Mangangcha, Pooja Singh, Indrakant K Singh, Rajesh Sinha. *Genes involved in lipid metabolism and dormancy as potential drug targets against tuberculosis*. 8<sup>th</sup> Bioinformatics Seminar-cum-hands-on training on "R Language and Drug Development", October 30-31, 2017 at Bioinformatics Infrastructure Facility, Jamia Hamdard, New Delhi.

Dr. Sandhya Rai

Assistant Professor

1. Paper presented Dynamics of soil *nifH* community structure and function in the cotton rhizospheres. Sandhya Rai, D.K. Singh, and K. Annapurna. INSCR International Conference (IIC-2017) on 'Role of Microbe-Plant-Animal Interactions in Human Health' held at University of Delhi, Delhi from September 26-28, 2017.
2. Paper presented with students "Lost Wings of Delhi". Kaushik Sarkar, Sandhya Rai and Nikhil Sharma in Third National Symposium on "Environment: Challenges *Generation Next*" organized at Deshbandhu College, University of Delhi on March 31, 2017. pp. 5.
3. Oral Presentation with students "Man-Animal Conflict: A battle with the elephants". Kaushik Sarkar, Nikhil Sharma and Sandhya Rai in Third National Symposium on "Environment: Challenges *Generation Next*" organized at Deshbandhu College, University of Delhi on March 31, 2017. op. 11.
4. Participated in National Workshop "Technical Terminology in Science Teaching" of Commission for Scientific and Technical Terminology held at Deshbandhu College, University of Delhi from October 26-27, 2017.



5. Resource person in INSPIRE Internship Programme- 2017 organized at Deshbandhu College, University of Delhi from December 18-22, 2017.

Ms. Pavitra Sharma  
Assistant Professor

Participated and presented a research paper entitled “Influence of temperature on the development and feeding activity of southern green stink bug *Nezaram viridula*(Heteroptera: Pentatomidae)” in “ICE 2017: 19th International Conference on Entomology” held in Paris, France from 19-20 October 2017

Dr. Sangeeta Pal, Assistant professor

Organising Member:

1. Inspire Internship Programme, 2017 held at Deshbandhu College, University of Delhi. Dec 18-22, 2017

Dr. Kiran Bala Assistant Professor

Book/Chapters:

1. “Chromosomal Mutations”, E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT)
2. “Microbial Growth Kinetics” E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT).
3. “Human Genetic Disorders” E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT).
4. “Principles of gene expression: Transcription” E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT).
5. “Principles of gene expression: Translation” E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT).
6. “Sequence organization of genome” E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT).
7. “Immune response to viral infections” E-lesson for Undergraduate Course under the MHRD Project National Mission on Education Information Communication Technology (NME-ICT).

Participated and poster presentation in the “INSCR International Conference(IIC-2017)On Role of Microbe-Plant-Animal Interactions in Human Health” on September 26-28, 2017 held at University of Delhi, Delhi, INDIA.

Member of the organizing committee of the Third National Symposium on “Environment: Challenges Generation Next” held on 31<sup>st</sup> March, 2017, at Deshbandhu College, University of Delhi, New Delhi.

Participated in the Workshop on “Women Health and Cancer Awareness Workshop” held on 7<sup>th</sup> April, 2017, at Miranda House, University of Delhi, Delhi.

Mr. Mohd Shazad Assistant Professor

Paper presented at International conference:

1. Mohd Shazad and Kamal Kumar Gupta (2017) “An ecofriendly approach for the management of *Aedes aegypti* L (Diptera: Culicidae) *Ocimum sanctum*” Paper presented in 19<sup>th</sup> International Conference on Entomology held on October, 19-20, 2017 at Paris, France.
2. Awarded best oral presentation at ICE 2017: 19<sup>th</sup> international Conference on Entomology held on October, 19-20, 2017 in Paris, France.

Other achievements:

1. Member of organizing committee of "INSPIRE Internship Programme-2017" held on December 18-22, 2017, Deshbandhu College, University of Delhi.
2. Accompanied the students of Zoology Department for Excursion tour to Puducherry, Tamil Nadu, India 2017-2018.
3. Awarded Gold Medal in “50 Meter Race” on Annual Sport Day 2017-2018 at Deshbandhu College, University of Delhi.
4. Awarded Silver Medal in “Table tennis” on Annual Sport Day 2017-2018 at Deshbandhu College, University of Delhi.
5. Awarded Bronze Medal in “Badminton” on Annual Sport Day 2017-2018 at Deshbandhu College, University of Delhi.

## DEPARTMENT OF PHYSICAL EDUCATION & SPORTS SCIENCES

Department feels immense pleasure to provide its annual report for the year 2017-18. 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. Kamal Sagar represented Indian Universities at World University Games 2017 in Archery Sport
- Weight Lifting Team won Inter college weight lifting championship for the year 2017-18
- Archery teams of college won the overall championship in Delhi State Archery Competition 2018. The team performed exceptionally well and retained the champion's title for the 3<sup>rd</sup> 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 3<sup>rd</sup> place in the same competition.
- Archery team of the college also won 2<sup>nd</sup> place in Inter college archery championship held for the year 2017-18
- The college secured 3<sup>rd</sup> place in Inter college Yoga competition organised by DUSC.
- College's Boxing team secured 4<sup>th</sup> place in Inter college boxing championship for the same year.
- 17 students from college participated at National and All India Inter University level for the year 2017-18
- Overall, college won 33 Gold, 28 Silver and 35 Bronze medals at Inter-College and State Championship in different sports/games.

Annual Sports Day was held from 9<sup>th</sup> February, 2018 in College. The event was inaugurated by Mr Mairaj Ahmad Khan, Olympian shooter 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.

### LIST OF SPORTS STUDENTS' ACHIEVEMENT FOR THE YEAR 2017-2018

S.NO.	NAME	COURSE	LEVEL	ACHIEVEMENT	SPORT/GAME
1	KAMAL SAGAR	B.A. (Hons) History II year	World university Games	Participation	Archery
2	SACHIN KUMAR	B.A. (Hons) Hindi II	All India Inter-varsity	Participation	Archery
3	SIDDHANTSHUKLA	B.A. Programme I Year	Delhi State	Gold	Archery
4	HEMLATA	B.A. Programme II Year	All India Inter-varsity	Participation	Archery
5	PREETI	B.A. Programme I Year	All India Rural	Gold Medal	Archery
6	SACHIN	B.A. (Hons) History III year	All India Inter-varsity	Silver Medal	Archery
7	ROHITSAGAR	B.A. (Hons) History II year	Senior National	Participation	Archery
8	AARIF	B.A. Programme I Year	All India Inter-varsity	participation	Archery
9	RAVI KUMAR	B.A. (Hons) Hindi II year	Delhi State	Gold	Archery

10	JOSEPH	B.A.Programme III Year	Delhi State	Gold	Archery
11	KANCHAN	B.Sc. (Hons) Botany II Year	Inter College	Silver	Archery
12	AANCHAL	B.A.Programme I Year	Inter College	Bronze	Archery
13	VIPIN	B.A. (Hons) History III year	Delhi State	Gold	Archery
14	SACHIN SINGH	B.A.Programme I Year	Delhi State	Gold	Archery
15	VINAY	B.A.Programme II Year	Delhi State	Bronze	Archery
16	SHUBHANKAR	B.A.Programme III Year	Senior National	Participation	Badminton
17	ROHITRANA	B.Sc. (Hons) Math II Year	All India Inter-varsity	Participation	Yoga
18	JAI KISHAN	B.Sc. (Hons) Zoology III Year	UP State	Silver	Yoga
19	KAPIL	B.A.Programme I Year	Delhi State	Bronze	Boxing
20	NAVAB SINGH	B.A.Programme III Year	Inter College	Bronze	Boxing
21	AMAN CHOUDHARY	B.A.Programme III Year	Delhi State	Bronze	Boxing
22	RAHUL RATHI	B.A. (Hons) Hindi I year	All India Inter-varsity	Participation	Boxing
23	KAJAL	B.A.Programme I Year	Inter College	Bronze	Boxing
24	ANCHAL	B.A. (Hons) Pol. Sci. III year	Inter College	Bronze	Boxing
25	POOJA DEVI	B.Sc. (Hons) Math II Year	Delhi State	Silver	Boxing
26	AMAN SHARMA	B.A.Programme III Year	Delhi State	Bronze	Boxing
27	RISHABH KUMAR	B.A.Programme I Year	Inter College	Silver	Boxing
28	DHRUV JAI SINGH	B.A.Programme II Year	National	Participation	Shooting
29	SHIVAM	B.A.Programme III Year	National	Participation	Shooting
30	ASHISH RANA	B.A. (Hons) English I year	National	Participation	Shooting
31	ANKIT	B.A. (Hons) English I year	National	Participation	Shooting
32	MILAN	B.A.Programme I Year	National	Participation	Shooting
33	KRIKA	B.A. (Hons) Pol. Sci. I year	National	Participation	Shooting
34	MUSA KHAN	B.A.Programme II Year	National	Participation	Shooting
35	SATYAM VERMA	B.A. (Hons) Pol. Sci. III year	Inter College	Bronze	Taekwondo
36	SURENDRARAUTELA	B.Sc. (Hons) Physics III Year	Inter College	Bronze	Taekwondo
37	VIVEK PANT	B.Sc. (Hons) Physics III Year	Inter College	Silver	Taekwondo
38	HIMANSHUPADALIYA	B.com(Hons) I Year	Delhi State	Bronze	Taekwondo
39	MILIND KAUSHIK	B.com (Hons) III Year	Inter college	Bronze	Taekwondo
40	DEVASHISH SHARMA	B.A.Programme III Year	Inter College	Gold	Weight Lifting
41	SACHIN KUMAR	B.A.Programme III Year	Inter College	Silver	Weight Lifting
42	BOBY SHARMA	B.A. (Hons) Sanskrit II year	Inter College	Bronze	Weight Lifting
43	PUNEETPRADHAN	B.A.Programme II Year	Inter College	Bronze	Weight Lifting
44	VINAYDUBEY	B.Sc. (Hons) Physics III Year	Inter College	Bronze	Weight Lifting
45	DHEERAJ KUMAR	B.A. (Hons) Hindi I year	Inter College	Bronze	Weight Lifting
46	SUMITGOLA	B.A.Programme III Year	Inter College	Gold	Best Physique
47	SHALINI	B.A.Programme I Year	Delhi State Youth	Gold	Weight Lifting
48	SAHIBMANDAL	B.A. (Hons) Hindi I year	Inter College	Silver	Best Physique
49	YOGENDER SAINI	B.A.Programme I Year	Inter College	Gold	Weight Lifting
50	MANMOHANKAUSHIK	B.Sc. Life Science III Year	Inter College	Silver	Weight Lifting

51	MAURYA HANSPAL	B.Com. (Hons)	Delhi State	Silver	Swimming
52	SAHIL DEVATWAL	B.A.Programme I Year	All India Inter-varsity	Participation	Wrestling
53	AMAN KUMAR	B.Sc(H)Chemistry III yr	Intercollege	Bronze	Yoga
54	RAHUL JHA	B.Sc(H)Zoology III yr	Intercollege	Bronze	Yoga
55	ASIF SALMANI	B.Sc(H)Chemistry III yr	Intercollege	Bronze	Yoga

Thank you