



DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty Details Proforma for College Website

Title	Dr.	First Name	Rajni	Last Name	Jain	
Designation		Associate Professor				
Address		256, Siddharth Enclave, New Delhi-14				
Phone No. Office						
Residence						
Mobile		9868159957				
Email		rajni57in@yahoo.co.in rjain@db.du.ac.in				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Central Drug Research Institute, Lucknow			1983	
PG		Lucknow University			1978	
UG		Lucknow University			1976	
Any other qualification						
Career Profile						
<ol style="list-style-type: none"> 1. More than 30 years of teaching experience at Department of Biochemistry, Deshbandhu College since 1988. 2. Worked as research officer at Department of Immunology and Pediatrics, All India Institute of Medical Sciences (1982-1988). 						
Administrative Assignments						
<ol style="list-style-type: none"> 1. Have worked as teacher In-charge at Department of Biochemistry from time to time. 2. Member of the various committees at college like academic and workload committee, canteen committee, building committee etc. 3. Member of the organizing committee of departmental academic event "Biospark- 2015" organised by Biochemistry Department, Deshbandhu College, University of Delhi. 4. Convenor of the departmental academic event, Biospark-2017 organised on 27th and 28th March, 2017. 5. Convenor of the one-day departmental picnic at Adventure Island, Rithala on 28th Jan 2017 for students of department. 6. Convenor of the Departmental academic event, Biospark-2018 organised on 26th February, 2018. 7. Convenor of the one-day departmental picnic at Jurassic Park, Sonapat on 25th March 2018 for students of department. 						
Areas of Interest/Specialization						
Enzymes, Immunology, cell biology, Molecular Biology, Membrane Biology and Biochemical Technology						
Subjects Taught						
Have been teaching Biochemistry as subject. Following paper were taught in different modes						
Molecular Biology, Human Physiology, Tools and Techniques, Membrane Biology, Bioenergetics Metabolism, Molecules of life SEC-Protein purification techniques and SEC-Tools and Techniques						
Research Guidance						
NA						
Publications Profile						

Research and publications

1. Jain, R. Johri, R.K., Singh M.M., and Kamboj, V.P. (1979): Monoamine oxidant activity in the genital tract of mice during early pregnancy. Proc. 48th Annual Meeting Soc. Biol. Chem. Lucknow, India, October 11-14. Abstr. P.5A, Eli 25, p.125.
2. Jain R., Singh, M.M., and Kamboj, V. P. (1980): Carbohydrate metabolism in the fallopian tube and uterus of mice and hamsters during the pre-implantation period. Proc. Sec. Cong. Fed., Asian and Oseanian Biochem. and Golden Jb. Meeting Soc. Biol. Chem., Bangalore, India, December 14-18. Abstr. EN23, p.26.
3. Wadhwa, V., Jain R., Singh, M.M., and Kamboj, V. P. (1980): Glycogen and lactic acid concentration in the uterus of mice and hamsters during early pregnancy: Role of pre-implantation embryo, *ibid.*, Abstr. ENS, p.22.
4. Jain R., Singh, M.M., and Kamboj, V.P. (1981): Uterine lactate, succinate and glucose 6-phosphate dehydrogenase activities during the pre-implantation period in mice and hamsters. Proc. 50th Annual Meeting Soc. Biol. Chem*, Baroda, India, November 18-20. Abstr. 06.10, p.44.
5. Singh, M.M., Tandon, A., Jain R., and Kamboj, V.P. (1983): Effect of centchroman on the in vitro steroid metabolism by the pre-implantation rabbit blastocyst. *Ind. J. Exp. Biol.*, 21:428-431.
6. A.N. Malaviya, S. Banerjee, R.N. Misra, A. Chakrabarty, Rajni, Jain, and D.K. Gupta (1985): Effect of D-Penicillamine on immunological parameters, and their correlation with clinical response, in rheumatoid arthritis (RA): A longitudinal study. ILAR'85, With International Congress of Rheumatology, Sydney, Australia, 19th-25th May. Abstr. P-215.
7. M.K. Bhan, V.Khoshoo, N. K. Arora, R. Jain, P. Raj, V. Atal, and O.P. Ghai (1986): Aetiology of protracted diarrhea in North Indian Hospitalized infants and pres.school children. XXVII Annual Conference, Indian Society of Gastroenterology, Oct 23rd-26th, 1986, Patna, Abstr. No. B-5.
8. V. Khoshoo, M.K. Shan, R. Jain, S. Jayashree, N.K. Arora, D.O.L, Unsworth, R. Kumar, G.Ttlazing: Gliadin and reticulin antibodies Non-invasive tests for diagnosis of celiac disease, *ibid.* Abstr. No. 13-7.
9. V. Khoshoo, M.K. Shan, M.Mathur, R. Jain, N.K. Arora: Quantitative morphometric changes of jejunal mucosa in cow's milk protein intolerance, *ibid.* Poster 17.
10. Vahoshoo, M.K. Shan, R. Jain, N.K. Arora, R. Kumar, M.Mathur, G.Stintzings: Leucocyte migration inhibition and morphometric changes of jejunal mucosa in cow's milk protein intolerance. Communicated to *Acta Food. Scand.*
11. V.Khoshoo, M.K. Bhan, R.Jain, A.D. Phillips, D.J. Unsworth G. Stintzing: Coeliac disease as cause of protracted Diarrhea in Indian children. *The Lancet* 41988), p.126, Jan.16.
12. M.K. Bhan, V.Khoshoo, D.Chowdhary, R. Jain, P. Roy, S. Jayashree, R. Kumar: Increased fecal alpha-l-anti trypsin excretion in children with persistent diarrhea associated with enteric pathogens. *Acta Paed Scand.*(1989), 78, 265.
13. M.K. Bhan, V. Khoshoo, S. Puri, R. Jain, S. Jayashree and S.Bhatnagar: Serum antigliadin antibody profile in childhood protracted diarrhea due to coeliac disease and other cause in a developing country. In Press *Scand. J. Gastroenterol.*
14. V.Nhoshoo, M.K. Bhan, R. Jain, S.Jayashree, P.Raj et al. Bile acid profile in children with persistent diarrhea and bacterial overgrowth. communicated to *Acta Peed. Scand.*

Conference Organization/Presentations

Extension Lectures Organised:

1. As a Convenor, Organizing Committee, Lectures on "Survival strategies of Bacterial pathogens" by Prof. Yogendra Singh, Department of Zoology, DU and Prof. Kalpana Luthra, AIIMS as a part of Department of Biochemistry Fest "Biospark" on 24th September 2019 at Deshbandhu College.

Workshops/Conferences organized/participated

1. Member, Organizing Team, Intercollege Competitions for Scientific Cartoon making (Cell-Dialoguetoon) and Innovative idea (Innospark) along with webinar on "Learning Biology through the lens of Bioinformatics" by Prof. N. Latha, Department of Biochemistry, Coordinator, Bioinformatics Center, Sri Venkateshwara College, University of Delhi as part of Biospark' 2021 at Department of Biochemistry, Deshbandhu College, University of Delhi on 9th April 2021.
2. Attended an "Online Hands-on Workshop in Research Methodology" organized by Deshbandhu College, University of Delhi from 1st April 2021 to 5th April 2021.
3. Member, Team Webinar, Webinar on "Rare Diseases: Rare Insights into The Research, Challenges and Concerns" organized on 29th March, 2021.

4. Attended a two-day hybrid conference in online mode on "COVID 19 and Issues of Urban Sustainability in India and Canada" organized by Center for Canadian Study in association with Department of Finance and Business Economics, University of Delhi on 11th and 12th March 2021.
5. Member, Team Webinar, International Webinar Series lecture on "Hands on Training Session in Scientific Writing" organized on 12th November, 2020.
6. Member, Team Webinar, International webinar series on, "Understanding Pathophysiology and Therapeutic Strategies for Neurological Disorders" by department of Biochemistry, Deshbandhu College, University of Delhi on 29th Oct 2020.
7. Member, Team Webinar, International webinar on "Non-Invasive Cancer Diagnosis and Prognosis" organized by Department of Biochemistry, Deshbandhu college, University of Delhi on 17th October, 2020.
8. Attended an International Webinar on "The Malleable Brain" organised by the Department of Biochemistry, Shivaji College, under the aegis of DBT sponsored Star College Scheme on 10th October 2020.
9. Attended a national e-Symposium on "Food Safety and Health" organized by Department of Zoology, Deshbandhu College, University of Delhi under the aegis of DBT Star College Scheme and IQAC on 19th September 2020.
10. Attended an "International Yoga Festival-Yog mantrana"-2020 organized by Deshbandhu College, University of Delhi from 1st to 21st June 2020.
11. Attended a webinar on "Awareness on good menstrual hygiene management, stigmas and social practices" organized by WDC and IQAC, Deshbandhu College, University of Delhi on 28th May 2020.
12. Attended a webinar on Mind Matters: Coping with Stress" organized by WDC and IQAC, Deshbandhu College, University of Delhi on 11th May 2020
13. Attended a webinar on "Covid-19 pandemic and immunity" by Dr. Partap Chauhan, Director, Jiva Ayurveda on 6th May 2020 organized by Department of Zoology, Deshbandhu College.
14. Attended a webinar on, "Nanotechnology solutions to Covid-19" by Dr Anita Verma Kamra Associate Professor, Department of Zoology, Kirori Mal College, University of Delhi on 1st may 2020 organized by Institute of Home Economics, Delhi University.
15. Attended a webinar on "Socio psychological issues and covid-19" by Prof. Swati Patra, School of Social Sciences, IGNOU, New Delhi on 6th May 2020 organized by Department of Zoology, Deshbandhu College.
16. Attended a webinar on the topic, "DNA Repair" by Dr. Umesh Varshney, Department of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru, India College on 30th April 2020, organized by Department of Biochemistry, Shivaji college, Delhi University.
17. Attended a webinar on, "Staying healthy and safe during covid-19" by Dr. L. Gopalachandran, Associate Professor at College of nursing, AIIMS, New Delhi on 29th April 2020 organized by Sri Venkateswara college, Delhi University
18. Attended a webinar on, "Mental Health Issues and Solutions" by Dr. Nand Kumar, Professor, Department of Psychiatry, AIIMS, New Delhi on 28th April 2020 organized by Sri Venkateswara college, Delhi University
19. Attended a webinar on, "Covid-19 breaking myths and moving forward" by Dr. Randeep Guleria, Director, AIIMS, New Delhi on 27th April 2020 organized by Sri Venkateswara college, Delhi University
20. Attended a webinar on, "Embracing traditional knowledge: Indian vedic immunoboosting practices" on 20th April 2020 by Prof. Bal Ram Singh, Professor at Institute of Advanced Sciences (Dartmouth, USA) organized by Shaheed Rajguru College of Applied Sciences for women, Delhi University.
21. As a Member, Organizing committee, International Conference on "Natural Products and Human Health-2020" by Department of Zoology, Deshbandhu College, 27th to 29th Feb 2020 at Conference centre, North Campus, University of Delhi.
22. Attended International Conference on Human Rights on 22-23February 2020 at Dr. Ambedkar International Centre New Delhi-110001.
23. As Member, Advisory board and Organizing committee, National conference on "Pharmacovigilance: Advancements in the safe drug development", 16th and 17th January 2020 at Deshbandhu College.
24. Attended a national conference on, "Insect Plant Biology in 21st Century", organized by Department of Zoology, Deshbandhu College on 4th and 5th November 2019 at Vivekananda Auditorium, Deshbandhu College.
25. As Convenor and Resource Person, INSPIRE-DST Program, 17th to 21st Dec 2019 at Deshbandhu College.
26. Attended National conference on, "Insect Plant Biology in 21st Century", organized by Department of Zoology, Deshbandhu College on 4th and 5th November 2019 at Deshbandhu College.
27. Convenor of the Inaugural lecture by Dr. Chetana Sachidanandan, IGIB on "Modeling human diseases in Zebra fish: The how and why?" On 9th Oct 2018 at college auditorium, Deshbandhu College.
28. Convenor of the Inaugural lecture on "Introduction of Epigenetics and human diseases" by Dr. Ashok Sharma, AIIMS on 25 October 2017 at college auditorium, Deshbandhu College.
29. Convenor of the Inaugural Lecture "Dream to Achieve - Victory over Cancer" by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi South Campus on 27th March, 2017 at Deshbandhu College.
30. Member, Organizing committee, in National Workshop on "Recent Trends in Biochemistry and Biotechnology" at Deshbandhu College, 21st and 22nd April, 2016.

Poster Presentations:

1. Chattree V, Jain R, Singh K. "Encapsulation of four natural products betulinic acid, parthenolide, honokiol, and

ginsenoside Rh2 in cocktail liposome therapy for lung cancer treatment”, International Conference on “Natural Products and Human Health-2020” organized by Department of Zoology, Deshbandhu College on 27th to 29th Feb 2020 at Conference centre, North Campus, University of Delhi.

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

NA

Association With Professional Bodies

1. Edited abstract book of the national symposium organized by the Department of Zoology on the topic, “Green Technology for Environmental Sustainability” on 25th September 2018.
2. Member of the various committees at college like academic and workload committee, canteen committee, building committee etc.

Other Activities

Have worked as a resource person in various departmental and college events

1. Have worked as teacher In-charge at Department of Biochemistry from time to time.
2. Convenor of the Inaugural lecture by Dr. Chetana Sachidanandan, IGIB on “Modeling human diseases in Zebra fish: The how and why?” On 9th Oct 2018 at college auditorium, Deshbandhu College.
3. Convenor of the one-day departmental picnic at Jurassic Park, Sonapat on 25th March 2018 for students of department.
4. Convenor of the Departmental festival, Biospark-2018 organised on 26th February, 2018.
5. Convenor of the Inaugural lecture on “Introduction of Epigenetics and human diseases by Dr. Ashok Sharma, AIIMS on 25 October 2017 at college auditorium, Deshbandhu College.
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Convenor of the Inaugural Lecture “Dream to Achieve - Victory over Cancer” by Dr. Alo Nag, Professor, Department of Biochemistry, University of Delhi South Campus on 27th March, 2017 at Deshbandhu College
7. Convenor of the one day departmental picnic at Adventure Island, Rithala on 28th Jan 2017 for students of department.
9. Member, Organizing committee, in National Workshop on “Recent Trends in Biochemistry and Biotechnology” at Deshbandhu College, 21st and 22nd April, 2016.
10. Member of the organizing committee of departmental academic event “Biospark- 2015” organised by Biochemistry Department, Deshbandhu College, University of Delhi.
11. Member of National Symposium on “current trends in genomics and proteomics” on 4th & 5th February 2010 organized at Department of Biochemistry, Deshbandhu college.
12. Member of organizing committee for National symposium on “Recent advances in immunology” on 30th January 2009 organized at Department of Biochemistry, Deshbandhu college.

Signature of Faculty Member