

FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	K. Vandana	Last Name	Rani	Photograph
Designation	Assistant Professor					 <p>Dr. K. VANDANA RANI</p>
Department	Zoology					
Address (Official)	Kalindi College, University of Delhi, East Patel Nagar, New Delhi-110008					
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Education						
<i>Subject</i>	<i>Institution</i>		<i>Year</i>	<i>Details</i>		
M. Res. (Advance Genomics and Proteomics)	University Of Nottingham, U.K.		2015- 2016	School Of Biosciences, UoN, U.K.		
Ph.D (Zoology)	University of Delhi, Delhi		2012	Zoology Department, D.U.		
M. Phil (Zoology)	University of Delhi, Delhi		2006	Zoology Department, D.U.		
M.Sc. (Zoology)	University of Delhi, Delhi		2005	Miranda House, D.U.		
B.Sc. Honors (Zoology)	L.N.M.University, Darbhanga		2002	C.M.Sc.college, Darbhnga		
Career Profile						
<i>Organisation/Institution</i>	<i>Designation</i>		<i>Duration</i>	<i>Role</i>		
Kalindi College, D.U.	Assistant Professor		13th May2014- till date	Teaching		
Kalindi College, D.U.	Assistant Professor		7 th August 2013-11 th May 2014	Teaching		
Ramjas College, D.U.	Assistant Professor		3 January- 2013- 14 April 2013	Teaching		
Ramjas College, D.U.	Assistant Professor		12 th November 2009-11 th March 2010	Teaching		

Research Interests/Specialization:

1. Fish Reproductive Endocrinology
2. Immunology
3. Cell physiology

Administrative Assignments / Contribution to corporate life***Administrative responsibility:***

- **Convener:** Biochemical Society 2020-21
- **Member:** Fund Allocation Committee 2020--21
- **Member:** Screening query advisory committee, Kalindi College 2020
- **Member:** Screening Committee Zoology Department 2020
- **Convener:** To develop the “Management Information System”
- **Nodal Officer** Appointed from Delhi University for foreign Students in Kalindi College 2017-2020
- IQAC Core committee member 2020
- **Technical Expert:** Software Committee 2020
- **Convener:** NAAC Criteria VII “Innovation and Research” of NAAC (2014-15; 2016-2020)
- **Convener:** General Assembly IIIrd yr Students 2017-2020
- **convener:** Student’s Feedback Committee 2017-2020
- **Convener :** Question Setting of Paper of University of Delhi (Confidential) as per given by University. 2019-2020
- **Convener:** Conference Organizing Committee 2018-19 of Zoology Department
- **Member:** Repository Core Committee of Kalindi College 2018-2020
- **Life Membership:** Asian Biological Reseach Foundation (ABRF) Prayagraj, India 2020
- **Member of Innovation Club,** Kalindi College 2019-2020
- **Member:** Canteen Committee 2019-2020
- **Member:** Physical Verification Committee 2018-2020
- **Member:** Introduction of value Added course in the college, 2018-2020
- **Member** College hostel purchase committee 2018-2020
- **Mentor:** Appointed by Delhi University For foreign Students in Kalindi College 2017-2020
- **Member of the DU-UGC Learning Outcomes based Curriculum Framework (LOCF) committee for Zoology Honours Core Course Aquatic Biology**
- **Member for the revision of the Course titled Aquatic Biology Course Code 42237913 in Programme (CBCS) B.SC. Life Science, 2019**
- **Member in CBCS Syllabus Preparation committee in Zoology Department, University of Delhi (Aquatic Biology) (2014-15)**
- **Convener:** Admission Core committee of Foreign Student Admission:2019-2020
- **Admission Core committee :** Zoology Hons- admission (2017-18, 2018-19, 2019-2020)
- **Nodal Officer of Kalindi College AISHE (2014-16)**
- **Co-ordinator for evaluation of Ability Enhancement Course (AECC) and Skill Enhancement Course (SEC) From November 2016 –June 2017**
- **Convener:** Biochemical Society (2017-2018)
- **Convener:** Medical and Counselling committee (2014-15)
- **Convener:** Zoology Department educational excursion (2014-2015)
- **Convener:** Development committee: - Playground 2014-15
- **Co-convener:** Garden plant purchase Committee (2014-2015)
- **Co-Convener:** Biochemical Society (2014-2015)
- **Co-convener:** Development committee: Students Common Room (2014-2015)

- Co-convener: Development committee: - Area near Hostel (2014-2015)

Contribution to Corporate Life to College

- Convener, Educational Excursion, Zoology Department 2019-2020
- Co-convener “NOVUS 2020” nnovation club in association with IQAC of Kalindi College organized intra-college competition of Innovative idea
- Lehren: Convener: One Act Play, 2020
- Convener: Beautification and cleanness committee of Lehren, Alumani meet 2019, 2020
- Convener: International Conference on Changing Environment Understanding The Emerging Challenges and its Management Strategies” 2019
- Convener: DBT Sponsored Workshop „The Foldscope: A tool in everyone“s pocket”2019-20
- Convener: DBT Sponsored International Workshop „The Foldscope“ 2019
- Convener: National Conference on “Urban Environmental Sustainability” with MGICCC, Govt, of NCT 2019
- Convener of Feedback Committee in National Assessment and Accreditation Council NAAC Sponsored National Workshop on “Skill Enhancement at Institutions of Higher Learning: Training Today for Tomorrow” Comprising organized by the Internal Quality Assurance Cell (IQAC), Kalindi College on 11th January 2019.
- Member of Kalindi College Innovation Club and Value added Course 2019
- Member of ARII Committee of Kalindi College
- Mentoring and Counseling of Students of Department.
- Convener of Beautification, Rangoli and cleanness committee of Alumni Meet, 2019
- Member: Introduction of value Added course in the college
- Email Coordinator (Organizing Committee) of National Seminar entitled " , , **एक क क** : *A Paradigm Shift Towards Empowerment of Women*" organized by science departments of Kalindi College, University of Delhi at College on February 3-4, 2017.
- Lehren: Convener: Teacher“s Talent Show (2014-2015)
- Admission Core committee Member : Life Science (2014-2015)
- Gyan Vividha, 2013: Co-Convener- Skit
- Member: Street Play (RAQS) (2013-2015)

Research/Project

DBT Project Foldscope 2018-19: Evaluation of health improvement in Fish challenged with bacteria and fed on supplemented feed.

1. House Project : (2018-19& 2019-20): The Living Green Wall of College – An Educational exposition of Bottle Vertical Garden System (20 students be taken from Different streams for this project)

2. House Project 2017-18: The Living Green Wall of College – An Educational exposition of Bottle Vertical Garden System (20 students will be taken from Different streams for this project)

M. Res project (2015-2016): Molecular determinants of human renal clear cell carcinoma cancer risk with Cancer Biology and Translational Research group, School of Veterinary Medicine and Science, University of Nottingham, UK.

Innovation Project & Research Guidance 2014-15: 10 undergraduate students for Project title „**Assessment of packaged food for toxic chemicals**“ from Delhi university Innovation Project 2015-2016.

House Project 2014-15: Establishment of an aquatic microcosm in low lying area of the college.

Publication (Peer Reviewed/Indexed Journals)

Year of	Title	Journal (Name of the	Co-Author
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Publication		journal. Vol Issue ISSN)	
2010	“Relative potencies of Natural estrogens on vitellogenin and choriogenin levels in the Indian freshwater spotted snakehead, <i>Channa punctata</i> : <i>Invivo</i> and <i>invitro</i> studies”.	Fish Physiology and Biochemistry, 36: 587-595.	K.V. Rani , N. Sehgal, S.V. Goswami and Om Prakash.
2011	Estradiol-induced mechanisms regulating vitellogenin and choriogenin synthesis and expression of vitellogenin in the cultured hepatocytes in the Indian freshwater murrel, <i>Channa punctatus</i> .	Indian J. Sci. Technol., 9 th ISRPF Issue, 4: No. S 8, ISSN: 0974-6846	Kumari Vandana Rani and Neeta Sehgal
2011	Differential expression of vitellogenin genes (VgA and VgB) by hepatocytes of the Indian freshwater murrel, <i>Channa punctatus</i> , on exposure to estradiol.	Indian J. Sci. Technol., 9 th ISRPF Issue, 4: No. S 8, ISSN: 0974-6846.	Sehgal Neeta, Rawat V.S, Rani K.V and Phartyal R.
2012	Immunostimulatory response induced by supplementation of <i>Ficus benghalensis</i> root powder, in the artificial feed the Indian freshwater murrel, <i>Channa punctatus</i> .	Fish and Shellfish Immunology, 33: 590-596.	Verma K.V., Rani, K.V. , Sehgal, N and Om Prakash.
2013	Immunostimulatory effect of artificial feed supplemented with indigenous plants on <i>Clarias gariepinus</i> against <i>Aeromonas hydrophila</i> .	Fish and Shellfish Immunology, doi: 35:1924-1931.	Verma K.V., Rani, K.V. , Sehgal, N and Om Prakash.
2013.	Vitellogenin genes in fish: Differential expression on exposure to estradiol. Fish Physiology and Biochemistry, 39: 39-46.	Fish Physiology and Biochemistry, 39: 39-46.	Rawat V.S., Rani K.V. , Phartyal R. and Sehgal N.
2013	Isolation, purification and characterization of Yolk proteins from the oocytes of the Indian freshwater murrel, <i>Channa punctatus</i> (Bloch).	Indian Journal of Experimental Biology. 51: 411-420	Om Prakash, N Sehgal, K.V. Rani and N Aggarwal,
2014	Enhanced disease resistance in the Indian snakehead, <i>Channa punctata</i> against <i>Aeromonas hydrophila</i> , through feed supplementation with <i>F. benghalensis</i> (aerial root) and <i>L. leucocephala</i> (pod seed).	Aquaculture International. Accepted (DOI: 10.1007/s10499-014-9870-7)	Verma K.V., Rani, K.V. , Sehgal, N and Om Prakash.
2015	Compound Profiling in methanol extract of <i>Kalanchoe blossfeldiana</i> (Flaming katy) leaves through GC-MS analysis and evaluation of its bioactive properties	Global Journal of Advanced Biological Sciences, 1: 38-49	Verma K.V., Kumar S.R., Rani, K.V. , Sehgal, N and Om Prakash
2016	Circannual rhythmicity of vitellogenin and choriogenin in indian spotted snakehead <i>Channa punctata</i>	International refereed multidisciplinary journal of contemporary research. Special Issue VI: 125-130.	Om Prakash, Rani, K.V. , Goswami, S.V., and Sehgal, N

2016	Prevention of histopathological damages in the liver, spleen and kidney of <i>Channa punctata</i> infected with <i>Aeromonas hydrophila</i> .	DU Journal of Undergraduate research and Innovation. Vol 2, Issue 1; pp 227-232.	Vipin Kumar Verma, Kumari Vandana Rani , Neeta Sehgal, Om prakash.
Chapter in Book 2018.	Culture of Hepatocytes of Indian freshwater murrel, <i>Channa punctatus</i> for screening of xenoestrogens”.	In OR-88 book "Grooming on Indian Talent in Modern Perspective: CPDHE, UGC-HRDC, University of Delhi.	Rani, K. V. and Om Prakash,
2018	<i>Leucaena leucocephala</i> pod seed protein as an alternate to animal protein in fish feed and evaluation of its role to fight against infection caused by <i>Vibrio harveyi</i> and <i>Pseudomonas aeruginosa</i>	Fish & Shellfish Immunology Vol 76, pp 324-332	Vipin Kumar Verma, Kumari Vandana Rani , Shiva Raj Kumar, Om prakash.
2019	Wastewater Management Strategies for Sustainable Development	“Urban Environmental Sustainability” Horizon Books, Vol 1, ISBN-978-93-86369-85-7, pp 33	Kumari, P., Vijay P and Rani, K. V.
2019	Vertical wall garden: Sustainable approach by college in urban setup	Urban Environmental Sustainability” Horizon Books, Vol 1, ISBN-978-93-86369-85-7, pp 30	Rani, K. V. , Beri, S., Singh, K., Shruti, P. S., Sharma, E., Aggarwal, A. Sharma, V., Shivangi, S. and Aggarwal, K.
2019	Vitellogenin: A novel protein for nutrition and defense in the indian freshwater murrel, <i>channa punctatus</i>	Biotech Express, ISSN: 2454-6968 RNI No. UPENG/2013/54102 Pp 65	Rani K. V. , Vijay P. , Pant D. R. , Ila K. , Sachin and Sehgal N.

Seminar/Workshop/Conferences Presentation/Organisation

Webinar Organized:

1. organized as **Convener** organized from Zoology Department, Kalindi College organized a DBT Sponsored Workshop „The Foldscope: A tool in everyone’s pocket” at Zoology Lab, Kalindi College, University of Delhi on 24th September 2019.
2. As **Convener** organized Education Excursion from Zoology Department, Kalindi College organized 4 days trip to Manali, Himanchal to visit Fresh water Fishery Institute, Manali and G.B Pant Ecological Institute and Horticulture Institute from 19-22 October 2019.
3. **Organizing member** of IQAC in “One day GEM Training Workshop” organized by Computer Science Department in association with IQAC, Kalindi College on 31st January 2020.
4. **Organizing member** of Entrepreneurship Awareness Camp organized by National Institute for Entrepreneurship & Small Business Development (NIESBUD) and Zoological Society in association with IQAC, Kalindi College at Seminar Room, Kalindi College on 29 -31st January 2020.
5. As **Co-convener** organized “NOVUS 2020” intra-college competition of Innovative idea” organized by Innovation club in association with IQAC of Kalindi College organized at Seminar room, Kalindi College University of Delhi on 21st February 2020.

6. **Organizing committee member** of a one day “Legal awareness Programme” organized by WDC with support of NCW held in Kalindi College, University of Delhi on 4th March, 2020
7. **As Convener** organized the “Training sessions by 'M"-edu Professionals for effective functioning of e-office” organized by IQAC, for Teaching and Non-Teaching Staff at Kalindi College, University of Delhi, India on 11th June, 2020.
8. **As Coordinator** organized Webinar On "How to Read Scientific Literature?" And Successfully Completed the Online Evaluation including the English Proficiency Test. Organized by Kalindi College under aegis of IQAC in collaboration IISER, Pune on June 8th 2020.
9. **As Organizing member** organized the National Webinar on “Biodiversity in the Anthropocene” organised by Department of Zoology and IQAC on 23rd June 2020 from 11:30 AM to 2:00 PM
10. **As Convener** organized the International Conference on “Drug development, its Challenges and the role of Nutrition in Immunboosting against Covid-19” organized by Zoology Department under aegis of IQAC, Kalindi College, University of Delhi, Delhi, India on 20th May, 2020.
11. **As Coordinator** in the International webinar on “How to Build up Efficient Immunity against respiratory infections including Covid-19 issue” organized by Kalindi College under aegis of IQAC, University of Delhi and Biomedical and Biotechnological Center (BBZ),University of Leipzig, Germany at Delhi, India on 28th June, 2020.

Webinar Participated

1. Participated in International webinar on “Covid-19 Pandemic: Challenges and recent advancement” organized by Jawahar Lal Nehru University, Delhi on 25th and 26th April 2020.
2. Participated in the webinar on “Understanding the Corona virus: some good news” organized by Department of Mathematics, Kalindi College, University of Delhi on 5th May 2020.
3. Participated in International Webinar (under aegis of IQAC) on Psychological well being and COVID-19: An Internal Journey, organized by Women Development Cell, Shivaji College, University of Delhi on 7th May 2020
4. Participated in National Webinar on “Emerging out a Winner in Lockdown” organised by Department“of Physics, Kalindi College on May 14, 2020.
5. Participated in webinar on “Science, Society and Exponential Change: Reimagining the Future” organised by Department of Physics, Kalindi College, on May 13, 2020.
6. Participated in the webinar on “Narratives in Lockdown: A psychology perspective” organized by the Department of Geography, Kalindi College, University of Delhi on 18th May 2020 at Kalindi College.
7. participated in webinar on “Covid – 19 and Air Quality, A Thin Silver Lining amid Disaster” organized by Palash – The Eco Club of Bharati College, in collaboration with IQAC, Bharati College, University of Delhi on May 18, 2020.
8. Participated in the National Webinar on Biodiversity informatics and documentation through Citizen Science on the India Biodiversity Portal organized by the Department of Zoology, St.Xavier“s College for Women, Aluva on 22nd May,2020
9. Participated in the webinar entitled "STEM CELL RESEARCHFOR COVID-19” organized by Department of Biotechnology, School of Life Sciences,Vels Institute of Science, Technology and Advanced Studies, Chennai in association with National Council of Vocational and Research Training, New Delhi on May, 25, 2020
10. Participated in the webinar on topic Revisiting Well Being During Lockdown organized by ARSD, College, Dhaula Kuan on 28th May, 2020
11. Participated in Training workshop on „Drosophila and Zebrafish Model Systems“, organised by Daulat Ram College, 28th to 31st May, 2019.
12. Participated in International webinar on “COVID-19: Neurological Perspectives Of Pathology & Management” organised by P.G. Department of Biotechnology of Lyallpur Khalsa

College, Jalandhar, Punjab held on 29th May, 2020

13. Participated in the National webinar on Entrepreneurship Development organized by Mehr Chand Mahajan DAV College for Women, and Regional Centre for Entrepreneurship development (RCED) & Tech Mahindra Foundation on 3rd-4th June 2020.
14. Participated In Webinar On "How to Read Scientific Literature?" And Successfully Completed the Online Evaluation including the English Proficiency Test. Organized by Kalindi College under aegis of IQAC on June 8th 2020.
15. Participated in the webinar on Leave rules and procedures for University and College employees organized by IQAC, Staff Association and Library, Kalindi College, University of Delhi on 17th June 2020.
16. Organized and participated in the National Webinar on "Biodiversity in the Anthropocene" organised by Department of Zoology and IQAC on 23rd June 2020 from 11:30 AM to 2:00 PM

Organize

- Co-convener of Innovation club in association with IQAC of Kalindi College organized "NOVUS 2020" intra-college competition of Innovative idea at Seminar room, Kalindi College University of Delhi on 21st February 2020.
- Participate as organizing member of IQAC in "One day GEM Training Workshop" organized by Computer Science Department in association with IQAC, Kalindi College on 31st January 2020.
- Organizing member of Entrepreneurship Awareness Camp organized by National Institute for Entrepreneurship & Small Business Development (NIESBUD) and Zoological Society in association with IQAC, Kalindi College at Seminar Room, Kalindi College on 29 -31st January 2020
- Convener of Education Excursion from Zoology Department, Kalindi College organized 4 days trip to Manali, Himanchal to visit Fresh water Fishery Institute, Manali and G.B Pant Ecological Institute and Horticulture Institute from 19-22 October 2019.
- Convener from Zoology Department, Kalindi College organized a DBT Sponsored Workshop „The Foldscope: A tool in everyone's pocket" at Zoology Lab, Kalindi College, University of Delhi on 24th September 2019.
- Convener from Zoology Department, Kalindi College organized an International Conference on Changing Environment Understanding The Emerging Challenges and its Management Strategies" at conference center, University of Delhi on 11th- 12th April 2019.
- Convener from Zoology Department, Kalindi College organized a DBT Sponsored Workshop „The Foldscope" at conference center, University of Delhi on 10th April 2019.
- As coordinator from Kalindi College Organized two day National Conference on "Urban Environmental Sustainability" with MGICCC, Govt, of NCT at Kalindi College, University of Delhi on 7th 8th February 2019.
- Being Convener organized Two day Lecture cum Annual Fest "Illuminismo 2018" of Biochemical Society „Biocenosis", Kalindi College, University Of Delhi on 15th and 16th February 2018.

Judge:

- In National Conference on Advances in Microscopy and Foldscope judged the session under the „oral Presentations" organized by Department of Biotechnology, MNNIT, Allahabad, Prayagraj.

Resource person:

- Resource Person in DBT Sponsored Workshop „The Foldscope: A tool in everyone's pocket" organized by Zoology Department, Kalindi College at Zoology Lab, Kalindi College, University of Delhi on 24th September 2019.
- Invited Speaker in One Day Workshop On "Foldscope as an Educational and Research Tool" organized by discipline of biochemistry, School of Sciences, Indra Gandhi National Open

University (IGNOU), at IGNOU, New Delhi on 23rd August, 2019

- Invited Speaker in National Conference on Advances in Microscopy and Foldscope organized by Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, on March 15-16, 2019.
- Resource Person for Training of Laboratory staffs in National Assessment and Accreditation Council NAAC Sponsored National Workshop on “Skill Enhancement at Institutions of Higher Learning: Training Today for Tomorrow” Comprising organized by the Internal Quality Assurance Cell (IQAC), Kalindi College on 11th January 2019.

Participation/Presentation

- Participated and obtained grade „A“ in UGC-sponsored Refresher course in life Sciences and Biotechnology organized by HRDC-Jawaharlal Nehru, Delhi, from August 19, 2019 to August 30, 2019.
- Participated in National Workshop on Emerging Pollution Challenges on Earth Ecosystem-SAFAR, India’s Novel Initiative organized by Environmental Pollution Laboratory, Departmental Studies, University of Delhi, on March 26, 2019.
- Participated in One day workshop Programme on “An exposition of Perishable Products of North East and its Challenges” organized by IBSD-Kalindi College Centre for Women Entrepreneurship in North East on March 6, 2019.
- Participated in the one day workshop and Hands on experience in “Advanced Spectroscopy”& Dynamic Light Scattering organized by Kirori Mal College, University of Delhi on October 9, 2018.
- Presented an oral presentation “The Living Green Wall- An Educational Exposition of Bottle Vertical Garden System” in the “Fourth National Symposium on Environment: Green Technology for Environmental Sustainability” held at Deshbandhu College, University of Delhi on September 25, 2018.
- Participated and obtained grade „A“ in 3 weeks UGC-sponsored Refresher course in life Sciences organized by CPDHE-HRDC, University of Delhi, Delhi, from July 17, 2018 to August 06, 2018.
- Organized as member Two-day Skill Enhancement Inter-College Workshop for Laboratory Staff, in association with IQAC and all science departments of the college, on 13-14 March, 2018.
- National Symposium cum Faculty Development Programme on “Genome Editing: Tools and Applications” organized by Department of Zoology, Miranda House and D S Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi from 15-22 January, 2018.
- Workshop on “Catalyzing a Cultural Shift in Youth Entrepreneurship” organized by D S Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi, Thursday on 9 November 2017.
- One day workshop on “Climate change and Sustainable development” organized by Mahatma Gandhi Institute of Climate combating Change, Bakoli, Alipur, Delhi on October 16 and 24, 2017.
- INSCR international Conference (IIC-2017) on “Role of microbe-Plant-Animal Interactions in Human Health” held at University Of Delhi, India from September 26 to 28, 2017.
- Regional workshop “Research As Pedagogy a Science Teacher Education Programme (RAP a STEP)” for Teacher of undergraduate Science Courses held at SGTB Khalsa College and Gargi College on May 9th and August 18th -19th 2017 respectively.
- UGC-HRDC sponsored 4weeks Orientation program (OR-88) at centre for Professional development in Higher Education, University of Delhi from May 31- June 28 2017 and obtained A Grade.
- Health Camp organized by NSS Unit, Zoology Department & Anti-Tobacco Committee, Kalindi College, University of Delhi on 28th February 2017.
- Practical Demonstration on “Zebrafish as a model organism” organized by Zoology Department,

Kalindi College on 6-10 February, 2017.

- Presented a paper in National Seminar entitled " , , एक क क : A Paradigm Shift Towards Empowerment of Women" organized by science departments of Kalindi College, University of Delhi at College on February 3-4, 2017.
- „Undergraduate Science Teachers“ Workshop themed at developing scientific temper in students: tools & techniques“ Organized by Department of Zoology, Ramjas College (Under DBT-Star College Project) and IndiaBioscience, Bengaluru held at Ramjas College, University of Delhi on 31st January 2017.
- Participated in the Seminar entitled “Bridging the Gap” Organized by Maitrey College in partnership with Sanskriti School on 21st January 2017.
- The Capacity Building Training in National Pension Scheme(NPS)“ organized by the Internal quality Assurance Cell, Kalindi College in association with Infrastructure Leasing & Financial Services (IL& FS) held at Kalindi College on March 21, 2017.
- International Symposium on Biological Timing and Health Issues in the 21st Century, Organized by Department of Zoology, University of Delhi, Delhi Indo-US Center for Biological Timing, and Indian Society for Chronobiology on February 21 – 24, 2017.
- Oral Presentation in LINK“16 student-led interdisciplinary research conference held at East Midlands Conference Centre, University Park, Beeston Ln, university of Nottingham, Nottingham on 3rd June 2016.
- Workshop on “Applications of FLOW CYTOMETRY” using BD ACCURI C6 held at Department of Zoology, Miranda house, University Of Delhi, on 20th March 2015.
- Symposium in “Mathematical & Computational Biology” jointly organized by the National Network for Mathematical and Computational Biology (NNMCB), Delhi Node and Sri Venkateswara College, University of Delhi and Supported by Science & Engineering Board, Govt. of India and DBT- Star College Scheme, Govt. of India, on 10th March 2015.
- DST- SERB supported National conference on Climate Change: Impacts, Adaptation, Mitigation Scenario and Future Challenges in Indian Perspective organized by Department Of Botany, Deen Dayal Upadhaya College, at Conference Centre, University of Delhi, New Delhi on 02-03 March, 2015.
- Workshop on “Biochemistry of Metabolic Processes” held at Kirori Mal College, University of Delhi, Delhi on 2nd February 2015.
- Workshop on Youth Connect „Life Skill for Adolescents“ held at Department of Zoology, Ramjas College, University of Delhi, Delhi on 21st march, 2013.
- Presented a research paper in the 9th International symposium on reproductive physiology of fish held at Lulu International Convention centre, Thrissur, Kochi, Kerala, India during August 9-14, 2011.
- First New Zealand and Australia Fish immunology Workshop held at The Centre for Aquaculture and Biotechnology, National institute of Water and Atmospheric Research Ltd. Greta point, Wellington, New Zealand, from 15-18 March, 2011.
- Indo-Swiss collaboration in biotechnology (ISCB) International Conference “Recent trends in developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants”, held at University of Delhi, Delhi from 9-11 February, 2011.
- 49th Annual conference of Association of Microbiologists of India: International Symposium in microbial Biotechnology: “Diversity, Genomics and Metagenomics” held at University of Delhi, Delhi, from 18th to 20th November 2008.
- 6th International symposium on Fish Endocrinology. Sehgal N, **Rani KV**, Goswami SV. In vitro screening of the Relative Potencies of Natural Estrogens in the Indian Freshwater Murrel *Channa*

punctatus (presented poster) held in Calgary, Alberta, Canada from 22-27 June, 2008.

- 30th All India Cell Biology Conference (AICBC): “Molecules To Compartments: Cross-Talks and Networks”, held at Department of Zoology, University of Delhi, Delhi from 2-4 February, 2007.
- 27th Workshop on Electron Microscopy, held at Sophisticated Analytical Instrumentation Facility 89(SAIF), held at Punjab University, Chandigarh from 8-20 January, 2007.

Awards & Distinctions

1. Awards :

- “Second Best Innovative idea Award”: won by House project topic “Vertical wall garden: Sustainable approach” presented by project students (Nusrut, Saumya, Priti and Sherin babu) in “NOVUS 2020” an intra-college competition of Innovative idea organized by Innovation club in association with IQAC of Kalindi College at seminar Room. Kalindi College University of Delhi on 21st February 2020.
- “Best Paper Award” won by House project topic “Vertical wall garden: Sustainable approach by College in Urban Setup” presented by one of Project Student Ms Kalpita Singh in inter College Techno-Management Presentation Contest on „Environmental Sustainability: Challenges and Opportunities“ in the Annual Student’s Convention PRASTUTI-2019 organized by JIMS in association with DTU on 16th March 2019.
- “Best Presentation award” won by House project topic “Vertical wall garden: Sustainable approach by College in Urban Setup” presented by Project Student Ms Kalpita Singh and it’s team in two day National Conference on “Urban Environmental Sustainability” with MGICCC, Govt, of NCT at Kalindi College, University of Delhi on 7th 8th February 2019.
- Certificate of Appreciation Awarded for being selected for the Research Display of Project code: KC 301, Project title: „Assessment of Package Food For Toxic Chemicals“ From Kalindi College in Research Display at the Convocation Ceremony , University of Delhi on 19 November 2016.

2. Academic:

- Delhi University Staff Development Programme Scholarship 2015 to study Master of research (M. Res.) in **“Advanced Genomics and Proteomic Sciences”** at the University of Nottingham, UK under University of Delhi – Faculty Training Programme 2015-16.
- **University Topper** in M.Phil. in Zoology, Department of Zoology, Delhi.
- **Senior Research Fellow (SRF), CSIR** (Council Of Scientific And Industrial Research, Human Resource Development Group), From 01 April 2010
- **Junior Research Fellow (JRF), “UGC Research Fellowships in Science for Meritorious students”** 15th April 2008- 12th November 2009.
- **Junior Research Fellow (JRF), UGC 2006-07.** From 30th April 2007 14th April 2008.
- “Best Volunteer Award” in 49th Annual conference of Association of Microbiologists of India: International Symposium in microbial Biotechnology: “Diversity, Genomics and Metagenomics” held at University of Delhi, Delhi, from 18th to 20th November 2008.

Public Service/ University Service/ Consulting Activity

- Appointed as Nodal Officer by Delhi University for foreign Students in Kalindi College (2017-18; 2018-19; 2019-2020)
- Member for the revision committee of the Course in Zoology Department, University of Delhi

- titled Aquatic Biology Course Code 42237913 in Programme (CBCS) B.SC. Life Science, 2019
- Convener Question Setting of Paper of University of Delhi (Confidential) as per given by University. 2019
- Appointed as Co-ordinator by University Of Delhi for evaluation of Ability Enhancement Course (AECC) and Skill Enhancement Course (SEC) From November 2016 –June 2017
- Appointed as AISHE Nodal Officer of Kalindi College by University of Delhi (2014-16)
- Member in CBCS Syllabus Preparation committee in Zoology Department, University Of Delhi (Aquatic Biology and Fish keeping in Aquarium, 2014-2015)
- Member in *e-pathsala* at Zoology Department (2014-2015).
- Evaluating Answer Script for examination at central evaluation centre, University Of Delhi.

Professional Societies Memberships: NA

Projects (Major Grants / Collaborations):

Collaborations:

- Under DBT project as part of twining with North-East Institute “The Foldscope” Scheme collaborated with Dr. Arvind Kumar Goyal, Head, Centre for Bamboo Studies, Assistant Professor, Department of Biotechnology, Bodoland University, Kokarjhar, Assam

Major Grants

- Project title „**Evaluation of health improvement in Fish challenged with bacteria and fed on supplemented feed**“ from Department of Biotechnology, Ministry of Science & Technology, Govt. of India under Foldscope 2018-19.
- Project title „**Assessment of packaged food for toxic chemicals**“ from Delhi University Innovation Project 2015-2016.

Other Details:

- M.Res project (2015-2016): **Molecular determinants of human renal clear cell carcinoma cancer risk** with Cancer Biology and Translational Research group, School of Veterinary Medicine and Science, University of Nottingham

Extracurricular Achievements:

Music and Painting

- **Prabhakar** Degree in Classical Vocal Music. And Got Prize in song competition in East Zone Youth Festival Organized by A.I.U. (All India University).
- 6 month course in Madhubani/ Mithila Painting.
- **1st Prize** in Mithila painting competition Organized by Samarg mahila Vikas Sansthan, Darbhanga.
- **1st Prize** in Dance Competition in Lahren“15: Inter College Teacher Talent Show held at Kalindi College, University of Delhi, Delhi on 27 February 2015.

Sports

- **1st Prize** in Intra teacher **Balancing ball (Single)** Competition organized by Sports Department, Kalindi College, University of Delhi, on the Annual Sports day held on 17th Febuary 2020.
- **1st Prize** in Teaching Staff **Throw ball match (Women)** Competition organized by Sports Department, Kalindi College, University of Delhi, on the Annual Sports day held on 6th Febuary 2020.
- **2nd Prize** in **Badminton (Single)** in Intra teacher Badminton Championship held at Kalindi College, University of Delhi, Delhi on Febuary 2019.
- **3rd Prize** in in Intra teacher **Musical Chair Competition** held at Kalindi College, University of Delhi, Delhi on Febuary 2019.

- **2nd Prize** in **Badminton (Single)** in Intra teacher Badminton Championship held at Kalindi College, University of Delhi, Delhi on February 2018.
- **1st Prize** in **Badminton (Single)** in Intra teacher Badminton Championship held at Kalindi College, University of Delhi, Delhi on February 2017.
- **2nd Prize** in **Badminton (Single)** in Intra teacher Musical Chair Competition held at Kalindi College, University of Delhi, Delhi on February 2018.
- **1st Prize** in **Badminton (Single)** in Intra teacher Badminton Championship held at Kalindi College, University of Delhi, Delhi on 09 February 2015.
- Won **Cricket Championship**“15 under **Captaincy** in Intra College sports competition“15 on held at Kalindi College, University of Delhi, Delhi on 14 February 2015.
- **Women of the Match** in Cricket in Intra College Cricket championship“15 held at Kalindi College, University of Delhi, Delhi on 14 February 2015.
- Won **Hand ball Championship** and got prize in Intra College sports competition“15 on held at Kalindi College, University of Delhi, Delhi on 16 February 2015.
- **3rd prize** in **Race with Balancing Ball** in Intra College sports competition“15 held at Kalindi College, University of Delhi, Delhi on 14 February 2015.
- **2nd prize** in **Mattaki Race** in Intra College sports competition“14 held at Kalindi College, University of Delhi, Delhi on 14 February 2014.