




# Shivaji College Faculty Details Proforma

<b>Title</b>	Dr.	<b>First Name</b>	Deepika	<b>Last Name</b>	Yadav	<b>Photograph</b>
<b>Designation</b>	Associate Professor					
<b>Address</b>	Department of Zoology, Shivaji College, Raja Garden, Delhi University, New Delhi 110027					
<b>Email</b>	<a href="mailto:deepikayadav@shivaji.du.ac.in">deepikayadav@shivaji.du.ac.in</a> ; <a href="mailto:dy_277@yahoo.com">dy_277@yahoo.com</a>					
<b>Educational Qualifications</b>	M.Sc. Zoology, Ph.D.					
<b>Degree</b>	<b>University/Institute</b>			<b>Year</b>		
<b>Ph.D.</b>	J.N.V. University, Jodhpur, Rajasthan			2000		
<b>M.Phil./M.Tech.</b>						
<b>PG</b>	J.N.V. University, Jodhpur, Rajasthan			1998		
<b>UG</b>	M.D.S. University, Ajmer, Rajasthan			1996		
<b>Any Other Qualification</b>	CSIR-UGC NET Qualified			2001		
<b>Career Profile</b>						
<ul style="list-style-type: none"><li>Lecturer, Zoology, at Mody Institute of Education &amp; Research, Lakshmanagarh, Deemed University Rajasthan during academic year 2005-2006.</li><li>Assistant Professor, Department of Zoology, Shivaji College, University of Delhi from year 2008-Jan. 2020</li><li>Associate Professor, Department of Zoology, Shivaji College, University of Delhi from Jan. 2020-till date</li></ul>						
<b>Administrative Assignments</b>						

- Teacher-in-charge, Department of Zoology, Shivaji College, University of Delhi in academic year of 2012-13, 2016-17, 2020-21, 1<sup>st</sup> May 2024 onwards
- Teacher-in-charge, Department of Life Science 2023-24
- Department Convener for DBT- Star College Scheme 2019 onwards
- Admission –in –charge Life-Science 2011, 2014, 2015, 2019, 2023
- Admission –in –charge Zoology Honors 2012, 2016, 2020, 2024
- Admission Grievance Redressal committee 2018, 2019,2020,2021, 2023
- Member NAAC Committees for SSR Quality Indicator Framework: Criterion 1 & Criterion 3 (2020- 2023)
- NAAC Committee, Criterion 3 Head: Research, Innovation and Extensions, 2023 onwards
- SCTA Secretary (29<sup>th</sup> March 2022 – 28<sup>th</sup> August 2023)
- Nodal Officer GE UGCF NEP (11<sup>th</sup> November 2022 onwards)
- Member, Academic Audit and Advisory committee (AAAC) (3<sup>rd</sup> January 2024 onwards)
- Public Information Officer (PIO), Shivaji College, University of Delhi (5<sup>th</sup> January 2024 onwards)
- Cultural Committee Convener (May 2024 onwards)
- Deputy Superintendent, Practical Examinations, April- May 2024
- Have been a member of Eco Club, Student Advisory Committee, Purchase Committee, Entrepreneur Development Cell, Website Committee, Women Development Cell, Complaints Committee Against Sexual Harassment of Women at Workplace and Institutional Ethics Committee of Shivaji College.

#### **Areas of Interest/Specialisation**

Zoology (Environmental Biology)

#### **Subjects Taught**

Immunology, Biotechnology, Evolutionary Biology, Molecular Biology, Cell Biology, Biochemistry, Developmental Biology, Chordata etc. for B.Sc. Honors and B.Sc. (P) Life Sciences

#### **Innovation Project/Research Projects (Major Grants/Research Collaboration)**

- Principal Investigator in Delhi University Innovation Project (SHC-205) entitled,” Milk Adulteration and its effect on Young Population” during November2013- March 2015.
- Principal Investigator in Delhi University Innovation Project (SHC-310) entitled,” A comparative chemical analysis of commercially available newer brands of edible oils for their highlighted benefits for human consumption” during August 2015- October 2016.
- Principal Investigator of two projects for undergraduate students under DBT Star College Scheme.
  - (i) Analysing Awareness About COVID-19: An Online Cross-Sectional Knowledge, Attitude And Practice (KAP) Study in Delhi.

(ii) Human-rhesus macaque interface: An ethological study in Delhi-NCR:

Study on Impact of artificial feeding (provisioning) in behavioral changes on Rhesus macaque in Delhi region through online survey.

- Project Investigator of Minor Project entitled “Synthesis and characterization of multifunctional ZnO nanoparticles for biomedical, piezoelectric and ferroelectric applications.” MRP/2021/0009
- Principal Investigator of a research project entitled, "A Comprehensive Study on Indigenous Zootherapeutic Practices and its contemporary status in Raji tribe of Uttarakhand," funded by Indian National Science Academy (INSA). (June 2023 -Ongoing)

#### **Publications Profile (Research Papers/Books)**

- **D. Yadav** and N. Vyas, “Studies on the incidence of cercariae in some fresh water molluscs in the reservoirs of Jodhpur (Raj). Indian Journal of Environmental Sciences 4(J)p.p.53-56.
- N. Vyas, P. Kadela, P. Nama & **Y. Deepika** (2008). Community analysis of plant-parasitic Nematodes in and around IGNP region of Jaisalmer, Rajasthan. J. Exp. Zool. India Vol.II, No.2, p.p. 415-417. ISSN.0972003.
- A chapter, Anjali Saxena & **Deepika Yadav** (2015): Women in Science: Deciphering the code??? Published in book Sanshristi: Creator of Good things magazine. ISBN no. 978-81-86845-38-0, May2015.
- **Deepika Yadav** (2016). Left Ventricular Assist Device: A breakthrough in the management of end stage heart failure. International Journal of Biotechnology and Biomedical Sciences vol. 2, No .1; pp.22-26. P-ISSN 2454-4582, e-ISSN 2454-7808.
- M. Yadav & **Deepika Yadav**. “Balloon Sinuplasty: A New Tool in the Armamentarium” in 2<sup>nd</sup> International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health :2016), Full length research paper in conference proceedings organized by Krishi Sanskriti at Convention Centre, JNU, on 21st May, 2016. ISBN: 978-93-85822-17-9
- A chapter, **Deepika Yadav** et.al. (2016): “Pangolin: A Unique Mammal with Scales”, in book entitled Wildlife Management: Concept, Analysis and Conservation. Daya Publishing House, New Delhi, 110002, ISBN: 978-81-70305.
- M. Yadav, **D. Yadav** et.al (2017). LUDWIG’S ANGINA - A CALL FOR URGENT AND COMPREHENSIVE INTERVENTION. International Journal of Current Research Vol.9 (10), pp.59138-59139.
- A chapter, **Deepika Yadav** (2017): “Right of Assisted Reproduction vis-à-vis ethical concerns”, in book Reproductive Health In India: Concerns And Awareness. (Editors Baweja V. ; Misra R. ) (pp. 105-120). Enriched Publications Pvt. Ltd. (ISBN: 978-8-19346-343-7).
- M. Yadav, **D. Yadav** et.al. (2017). Spectrum of ENT Emergencies at a Tertiary Care Hospital in... India. Journal of Medical Science and Clinical Research. Vol 05(11), pp.29833-29837.

- A chapter, **Deepika Yadav** (2018): Indian Medicinal History with special reference to Zoo therapeutics in Book Historical Researches: Theory and Practices; South Asian History Series-II, Published by Youth History Congress, M.D. College, Mumbai. ISBN: 978-81-925005-7-7 page 200-211.
- J.K.Chaudhary, . . . . .**D. Yadav** et.al (2021). Insights into COVID-19 Vaccine Development Based on Immunogenic Structural Proteins of SARS-CoV-2, Host Immune Responses, and Herd Immunity. *Cells*. 2021; 10(11):2949. (Impact Factor = 6.60) <https://doi.org/10.3390/cells10112949>
- A. James & **D. Yadav** (2021). Valorization of coconut waste for facile treatment of contaminated water: A comprehensive review (2010-2021). *Environmental Technology & Innovation* 24 (2021) 102075 Elsevier Impact Factor 5.263 Cite Score 4.5
- A. James & **D. Yadav** (2022). Bioaerogels, the emerging technology for wastewater treatment: A comprehensive review on synthesis, properties and applications. *Environmental Research* Volume 212, Part A, September 2022, 113222
- Chaudhary JK, Saini D, Chaudhary PK, Maurya A, Verma GK, Gupta AK, Roshan R, Vats TK, Garg N, **Yadav D**, Kant N. Exploring the Immunomodulatory Aspect of Mesenchymal Stem Cells for Treatment of Severe Coronavirus Disease 19. *Cells*. 2022 Jan;11(14):2175. <https://doi.org/10.3390/cells11142175>; PMID: 35883618; PMCID: PMC9322532. (Impact Factor = 7.70)
- A chapter, James A., **Yadav D.**, Kumar M. (2022) : Exopolysaccharides for heavy metal remediation: A review on current trends and future perspective. In Book : Microbial Products: Applications and Translational Trends. Editors: Mamtesh Singh, Gajendra Pratap Singh, Shivani Tyagi. CRC Press, Taylor & Francis group, United States. ISBN 9781032308203.
- M. N. D. Purohit, **Deepika Yadav**, N. Vyas (2022). Population Studies on Snails. *The Scientific Temper* Vol. 13, No. 2, July-December, 2022: pp 145-147 ISSN 0976-8653, E-ISSN 2231-6396 A Web of Science Journal
- Dua, A., Roshan, R., Nigam, A., **Yadav, D.** & Chaudhary, J.K. (2023). Evaluation of Knowledge, Attitude, and Practice towards the Coronavirus Disease 19 Pandemic: A Cross-Sectional Study in Delhi-NCR Regions of India. *Microsphere*: 2(1):159-169. DOI: 10.59118/XLOK1140 [eISSN: 2583-5327].
- **Deepika Yadav**, Nidhi Tyagi, H. Yadav, A. James, N. Sareen, M. Kapoor, K. Kumar, Y. Kataria and K. Singhal (2023). Effect of various morphologies and dopants on piezoelectric and detection properties of ZnO at the nanoscale: a review. *Journal of Materials Science*, 58 (2023) 10576–10599, ISSN: 0022-2461 (print); 1573-4803 (web) Springer. Impact factor: 4.682
- A chapter, N. Yadav, **Deepika Yadav** et al. (2023): “ENVIRONMENTAL JUSTICE FOR SUSTAINABLE DEVELOPMENT: SOME ISSUES IN INDIAN CONTEXT”, in book,

“Recent Trends in Life Sciences”, pp 173-181, Scieng Publications, ISBN: 978- 93-94766-20-4.

- A chapter, Biological synthesis of Nano particles (2024) in an edited book, “Synthesis, Characterization, and Multi-functional Applications of Nanomaterials”, Evidencepub Publishing .

### **Oral/ Poster Presentations**

- Poster presentation on, “Understanding the Mechanism and Challenges of Complex Diseases”, at National Conference (UMCCD-2014), organized by Department of Biomedical Sciences, Shaheed Rajguru College of Applied Sciences for women, University of Delhi, from 29th-30 December, 2014.
- Poster Presentation entitled, “Pharmaceutical contamination: A frightening hazard to health and environment”, in National Symposium on, “Environmental Contamination and Public Health”, organized by Zakir Husain College, Delhi University on 24th August, 2015.
- Poster presentations entitled, “Climate Change Indicators In Himalayan Region” and “Impact Of Tourism in Himalaya Mountain Regions”, in 1ST HIMALAYAN CONCLAVE-2015 Organized by: INSTITUTE OF BIORESOURCES AND SUSTAINABLE DEVELOPMENT (IBSD) In association with, Department of Botany, University of Delhi, Delhi & Himalayan Environmental Studies and Conservation Organization (HESCO), Dehradun held at Conference Centre DU on September 9-10, 2015.
- Poster presentation and abstract publication entitled, “Significance of nutraceutically balanced edible oil selection to avoid cardiovascular and other ailments”, in International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016) held at Daulat Ram College, University of Delhi, on 15th and 16th January, 2016.
- Poster presentation and abstract publication entitled, “EDIBLE OIL CONSUMPTION TRENDS AND ASSOCIATED HEALTH IMPLICATIONS” and,” KIDNEY: FROM A VICTIM TO ALLY, A PARADIGM SHIFT IN T2DM MANAGEMENT”, in National Symposium on Lifestyle Disorders Understanding the Molecular Mechanisms held at Shivaji College on JANUARY 28 – 29, 2016.
- Poster presentation and abstract publication entitled, “Syndrome X in context with some adversarial dietary practices in India”, in National Symposium on Man Made Diseases: An Urban Menace held at Maitreyi College, University of Delhi, on 11th &12 February, 2016.
- Poster Presentation on, “Syndrome X: A Peril to Human Health”, during Global Cardio Diabetes Conclave Chennai 2017 held on 29th September-1 October 2017.

- Poster presentation on, “Prevalence and Correlates of Infertility Among Young Population, in National Symposium and Awareness program on, “Lifestyle and Reproductive Health Challenges”, organized by Daulat Ram College, University of Delhi on 29th March, 2017.
- Oral Paper presentation entitled, “Left Ventricular Assist Device: A breakthrough in the management of end stage heart failure”, at International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016) held at Daulat Ram College, University of Delhi, on 15th and 16th January, 2016
- Oral paper presentation entitled, “Ethical Rights of Reproduction in context of Compensations and Concerns”, in National Symposium on Reproductive Health in India: Concerns and Awareness held at Deshbandhu College, University of Delhi on 12 February 2016.
- Oral presentation on, “Zoo therapeutics: A Traditional and Modern Interface” in 11th Symposium on Frontiers in Biomedical Research, Challenges in Human Health: Prevention, Diagnosis and Cure organized by ACBR during 19th-21st February 2018.
- Poster presentation on, “Unifying Community Living and Wildlife Conservation through Sustainable Ecotourism”: at International E- summit on “Entrepreneurship development through Ecotourism in Northeast India” on 14 February, 2019 at Shivaji College, University of Delhi.
- Presented a poster, “Food prints v/s Foot prints: A Battle to sustain”, at the International Seminar on Seminar on Science, Environment and Spirituality (ISSES 2019) held at Shivaji College, University of Delhi on 13<sup>th</sup> September,2019.
- Presented a poster, “Primate Suspects: An assessment of magnitude of the simian problem in Delhi with respect to artificial provisioning”, at International Summit on Women in STEM- “Visualizing the Future: New Skylines”, held at India Habitat Centre, Delhi on January 23-24,2020 organized by DBT, Ministry of Science & Technology, Government of India and International Centre for Genetic Engineering and Biotechnology (ICGEB).
- Presented a research paper entitled, “Synthesis and characterization of Tungsten doped ZnO nanoparticles for Physical and Biomedical applications”, in the International Virtual Conference on Materials Research (IVCMR-22) held on 15th-16th September 2022.
- Keynote speaker for a national webinar, “National Forest related with Biodiversity Conservation & Economic Growth,” organized by Government College Anjad, Madhya Pradesh on 7<sup>th</sup> March 2022.
- Resource person for a talk on, “Antibiotic Resistance & Sustainable development Goals”, for an Online/ Hybrid Outreach Program – MICROSHERE 2.0 on 17th September 2022

under the aegis of International Microbiology Literacy Initiative Resources - Regional Office New Delhi (IMLIR- ROND) and in association with Federation of European Microbiological Sciences (FEMS) & International Society for Microbial Ecology (ISME) to celebrate the International Microorganism Day.

- Oral paper presentation entitled, “Millets: Smart Crops for sustainable agriculture”, at International Conference on "Resurgent Bharat on the Global Canvas" organised by Shaikshik Foundation in collaboration with Shivaji College, University of Delhi during 25-26 February, 2024.
- Presented a research paper entitled, “Synthesis and characterization of Tungsten doped ZnO nanoparticles for Physical and Biomedical applications”, in the International Virtual Conference on Materials Research (IVCMR-22) held on 15th-16th September 2022.
- Presented a paper, “Growth, morphology, dielectric, optical and hemolytic properties of metal doped ZnO nanotubes”, at International Conference on Material Science Technology and Sustainable Environment ICMSTSE-2024, organised by Bose society, Department of Physics & Internal Quality Assurance Cell (IQAC) held on 18-19 April 2024 at RPS Degree College, Mahendergarh, Haryana, India.

**Participation in several other International and National workshops, symposiums and seminars.**

**Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)**

Evaluation for Ph.D. thesis at J.N.V. University Jodhpur (Raj.) in 2017.

Evaluation & External Examiner for Ph.D. thesis at J.N.V. University Jodhpur (Raj.) in year 2020-2021 and 2023-24.

Thesis Evaluator for M.Sc., Reproductive Biology, All India Institute of Medical Sciences (AIIMS), New Delhi in year 2023, 2024.

Guiding a Junior Research Fellow (JRF) under INSA funded project since August 2023.

**Awards and Distinctions**

- 11th DNA Innovative Education Leadership Awards for the Best Professor In Zoology Studies at Taj Lands' End, Mumbai on 16th February, 2019.
- Recipient of Gargi Award for Merit Position in Rajasthan Secondary Board.
- Junior Research Fellowship recipient under a U.G.C. research project.
- Innovation Project (SHC-310) entitled, "A comparative chemical analysis of commercially available newer brands of edible oils for their highlighted benefits for human consumption" was selected for Research display at the Convocation Ceremony in November, 2016 and was awarded certificate of Most Significant Societal Impact.

- Certificate of Excellence award for winning the Poster Presentation on, “Syndrome X: A Peril to Human Health”, during Global Cardio Diabetes Conclave Chennai 2017 held on 29th September-1 October 2017.
- Second best award for poster presentation on, “Prevalence and Correlates of Infertility Among Young Population, in National Symposium and Awareness program on,” Lifestyle and Reproductive Health Challenges”, organized by Daulat Ram College, University of Delhi on 29th March, 2017.
- Awarded the best poster award for, “Unifying Community Living And Wildlife Conservation through Sustainable Ecotourism”, at International E- summit on “Entrepreneurship development through Ecotourism in Northeast India” on 14 February, 2019 at Shivaji College, University of Delhi.
- The ISSN (The International Society for Scientific Network) Award for, "INTERNATIONAL BEST RESEARCHER for excellence in Environmental Biology based on the “Bioaerogels” research paper on 7th May 2023 during ISSN International Research Awards and Congress (IIRAC-2023) in collaboration with World Research Council, Times of Research & Z24 News.
- Amongst top reviewers for Cogent Environmental Science (Taylor & Francis) in 2022 (now Sustainable Environment).
- An Open access Research Article, published in Elsevier was linked to United Nations, Sustainable Development Goals (SDG) in 2022.

#### **Other Academic Activities**

- Convener annual fest of zoological society OYSTER-2012.
- Co-convener, Session-in-charge and resource person in Workshop for laboratory staff in Chemical and Life sciences organized and held at Shivaji College on 17- 19th July’2014.
- Resource person in the DBT- INSPIRE Science Camp held from December 19-23, 2015 at Shivaji College, University of Delhi.
- Convener and Resource person for Lab Skill Training Program for Laboratory Assistants/Attendants in Chemical and Life Sciences from 31st May-3rd June, 2016, organized by Shivaji College, University of Delhi. (University Level)
- Convener, Workshop for faculty members on Environmental Pollution and Health in Urban Ecosystems (EPHUE- 2016) held at Department of Environmental Studies, North



Campus, University of Delhi, New Delhi on 23<sup>rd</sup> June 2016 (University level).

- Convener and Resource person for Sharing Science Rising together an interdisciplinary workshop for science faculty organized by Shivaji College on 24th September and 1st October, 2016.
- Departmental co-ordinator & Resource person ABO and Rh blood grouping in DBT-INSPIRE 2016 Program being held on 14-18th December, 2016 at Shivaji College.
- Convener 'Vivente 2017' a lecture series and annual fest of zoological society OYSTER.
- Resource person in 3rd Lab Skill Training Workshop for Laboratory Attendants / Assistants in the Chemical and Life Sciences organized during 10-14 July 2017 at Shivaji College, University of Delhi.
- Resource person in the DBT-INSPIRE Science Camp held from July 16-21 2018 at Shivaji College, University of Delhi.
- Campus Coordinator/Convener Campus Butterfly Count Survey, workshop and Lecture on 10<sup>th</sup> September 2018 in collaboration with WWF India, Bombay Natural History Society (BNHS) & CEC Delhi.
- Organizing member, Women Development Cell, for International Conference on, "Women's Leadership for Global Peace and Prosperity", organized at Shivaji College, University of Delhi on 9<sup>th</sup> -10<sup>th</sup> January 2020
- Convener "Online Guidance Program Regarding Entrance Examinations for Higher Studies & Scholarships in Biological Sciences" webinar organised by Department of Zoology, Shivaji college, University of Delhi on 16<sup>th</sup> June 2020.
- Convener, Webinar on, "Combating the millennium pandemic: Diagnostics & Infection prevention" by Dr. Devjani De, Head, Microbiology, Dr. Dang's Lab on September 18, 2020.
- Convener, Annual Fest, "Zoo Carnival", Department of Zoology, Shivaji College, University of Delhi on March 26, 2021.
- Convener, Alumni Meet cum Guidance program 2021 organised virtually on April 25, 2021.
- Convener, Online/ Hybrid Outreach Program – MICROSPHERE 2.0 on 17th September 2022 under the aegis of International Microbiology Literacy Initiative Resources - Regional Office New Delhi (IMLIR- ROND) and in association with Federation of European Microbiological Sciences (FEMS) & International Society for Microbial Ecology (ISME) to celebrate the International Microorganism Day.
- Convener, seminar on Breast Cancer Awareness in collaboration with YOUWECAN foundation organised by the Department of Life Science, Shivaji College, on 5th October 2023.
- Convener, Quiz Competition on Breast Cancer organised by the Department of Life Science, Shivaji College on 5th October 2023.
- Organiser, a seminar titled, Stem Cell and Regenerative Medicines on 29th September, 2023 organised by Department of Zoology, Shivaji College.
- Organiser, seminar entitled, "Breast Cancer Awareness and Early Detection", in collaboration with YOUWECAN foundation organised by the Department of Zoology, Shivaji College, on 29th February, 2024.
- Co-convener, First Aid Committee on Sports day organised on 15th March 2024 at Shivaji College, University of Delhi.
- Coordinator, Life Science students visit to Global Bio-India 2023, Transforming Lives, Biosciences to Bioeconomy, organised by Department of Biotechnology (DBT), Ministry

of Science & Technology, Government of India and BIRAC during 4-6 December 2023 at Bharat Mandapam, Pragati Maidan, New Delhi.

- Organizing member, Talk On 'Chhatrapati Shivaji Maharaj & Good Governance' on February 3, 2024 organized by Department of Zoology, Shivaji College, University of Delhi.
- Coordinator for a field visit to RB Organic Farms, located at Nizammudin, New Delhi on 20<sup>th</sup> March 2024 for B.Sc. Hons Zoology students.
- Convener, invited talk, "कुशल प्रबंधन और तकनीकी परिवर्तन की मिसाल, छत्रपति शिवाजी महाराज", by Mr. Vaibhav Dange (Policy Expert) and Poster making competition, organised by the Department of Physics, in collaboration with Department of Biochemistry, Life Sciences and Environmental Studies, Shivaji College, as a part of the Shivraj 350 on 10<sup>th</sup> April 2024.
- Convener, 'ANVESHAN 2024', the annual fiesta organized by ARANYAM, the society of the Department of Life Sciences on 26<sup>th</sup> April 2024.
  - Quiz: ETHICAL ISSUES IN BIOMEDICAL RESEARCH
  - Poster Presentation: Science in Action: Addressing Real-World Challenges
  - Online Photography Competition: Biodiversity and Ecosystem Dynamics
- Convener, national seminar, "From Lab to Breakthroughs: Leveraging Laboratory Animals for Life Science Research", organized by ARANYAM, the society of the Department of Life Sciences on 27<sup>th</sup> April 2024.
- Convener, "राज्याभिषेक महोत्सव", to mark the 350<sup>th</sup> anniversary of the coronation of legend Chhatrapati Shivaji Maharaj and Hindavi Samrajya Sthapana, on June 6, 2024, organised by the cultural committee, Shivaji College under the aegis of SHIVRAJ 350.

#### **Department Convener for DBT- Star College Scheme 2019 -till date.**

- Convener & Resource person for Colorimeter and Spectrophotometer handling and care in Intra college Laboratory Skill Training Program for Assistants/Attendants in chemical and life science laboratories organized under DBT-Star College Scheme at Shivaji College, University of Delhi from 20- 24 May, 2019.
- Convener & Resource person for four-week Summer Training Program, "Disease & Diagnostics" organized by Department of Zoology, Shivaji College, University of Delhi under DBT Star College Scheme from 17 June -12 July, 2019.
- Organizer Health Camp, "Know your Wellness", on 5<sup>th</sup> & 9<sup>th</sup> July 2019 for the students seeking admission in Shivaji College, accompanying parents and faculty members.
- Campus Coordinator/ Convener Campus Dragonfly Count Survey, workshop and Lecture 20<sup>th</sup> August 2019 under DBT Star College Scheme in collaboration with WWF India, Bombay Natural History Society (BNHS) & CEC Delhi.
- Campus Coordinator/ Convener Campus Butterfly Count Survey, workshop and Lecture 19<sup>th</sup> September 2019 under DBT Star College Scheme in collaboration with WWF India, Bombay Natural History Society (BNHS) & CEC Delhi.
- Convener National Seminar 'Recent Trends in Biological Research and Career Prospects' organized at Shivaji College, University of Delhi, under the auspices of the DBT Star College Scheme Program on 27<sup>th</sup> September 2019.
- Convener Inter College Lab Skill Training Programme organized at Shivaji College under DBT Star College Scheme from 27<sup>th</sup> November- 3<sup>rd</sup> December 2019.

- Resource person for Colorimeter and Spectrophotometer: Care and Handling in Inter College Lab Skill Training Programme under DBT Star College Scheme from 27<sup>th</sup> November- 3<sup>rd</sup> December 2019 at Shivaji College.
- Convener & Resource person six-week Online Summer Training Internship entitled, “COVID-19: Epidemiology & Impacts”, from 15<sup>th</sup> June -25<sup>th</sup> July 2020 under the aegis of DBT Star College Scheme.
- Convener Webinar on, “Epidemiology, Detection, Treatment and Comparative Genomics of SARS CoV-2 and Managing Personal and Professional Life During COVID-19 Pandemic and Lockdown” talk delivered by Professor Rup Lal, NASI Senior Scientist Platinum Jubilee Fellow on July 9, 2020.
- Convener Webinar on, “Importance of IPR in Pandemic situation: Special focus on Expedite Patent processing” talk delivered by Dr. Kumar Kartikey Yadav, Examiner of Patents & Designs Patent Office, Delhi on July 11, 2020.
- Convener, Webinar on “Butterflies: The Winged Jewels” by Dr. Ishtiyak Ahmed, Education officer CEC- BNHS in collaboration with Bombay Natural History Society & Conservation Education Centre Delhi on September 10, 2020.
- Convener, Webinar on, “Plastics & Endocrine Disruption: A 21st Century Update”, by Dr. (Prof.) Deep Dutta, D.M. Endocrinology FRCP, FACE on September 24, 2020.
- Resource Person for Mentoring Sessions through Virtual Platform to help applying for DBT Star College Scheme for the following institutes:  
On February 5, 2021 from 4:00- 6:00 p.m.  
(i) Government J.D.B. Girls College, Kota, Rajasthan &  
(ii) Jawaharlal Nehru College, Pasighat, East Siang District, Arunachal Pradesh  
On February 17, 2021 from 4:00 – 6:00 p.m.  
(i) Government P.G. College, Ambala Cantt  
On June 25, 2021 from 4:00-6:00 p.m.  
(i) Govt. College Lawan, District Baloda Bazar Bhatpara
- Convener and resource person, one week Inter College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories from February 8 -15, 2021 under the aegis of DBT sponsored Star College Scheme.
- Convener, training session cum webinar on, “How to Read Scientific Literature & Introduction to MANAV- The Human Atlas Initiative”, under the aegis of DBT Star College Scheme on February 24, 2021 by Dr. Anupma Harshal W. from IISER, Pune.
- Convener and resource person, five-day “Workshop for school teachers in biological and Chemical sciences” under the aegis of DBT sponsored Star College Scheme from March 22-26, 2021.
- Organiser, virtual Lab tour of “CSIR LABS” (CSIR-CBRI, NCL, NPL, NIO, IMTECH, IITR, IICT), held on 21<sup>st</sup> April, 2021 organised under DBT sponsored Star College Scheme of Shivaji College, University of Delhi.
- Convener & Resource Person for two-week online Summer Training Programme, “Current Diagnostic & Therapeutic Modalities for COVID-19”, was conducted by the Department of Zoology from 28<sup>th</sup> June 2021- 10<sup>th</sup> July 2021.
- Convener and resource person, Intra College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories from August 11 -17, 2021.
- Convener, webinar on the topic, “Genetically Engineered Vaccines: From Clone to Clinical Trials”, by Professor Rakesh Bhatnagar, V.C. Amity University, Rajasthan and Former VC BHU & Kumaun University, Uttarakhand on 16<sup>th</sup> August 2021.

- Convener, Bio-Safety Level 3 Facility, JNU, virtual tour under the aegis of DBT Star College Scheme on September 1, 2021.
- Convener and resource person, one week Inter College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories from September 14-20, 2021.
- Convener, webinar on the topic, “Treatable genetic disorders: A glimpse into the gene therapies”, on 2<sup>nd</sup> December 2021, by Dr. Veronica Arora, Institute of Medical Genetics & Genomics, Sir Ganga ram Hospital, New Delhi, Associate Consultant, MS (OBS & GYNAE), DNB Medical Genetics (Gold Medalist).
- Resource person for Mentoring session to apply for the Department of Biotechnology, Star College Scheme Grant for Government College Lawan, District Baloda Bazar Bhatpara on 14th December 2021.
- Convener, one-week Intra-College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories under the aegis of DBT Star College Scheme from April 19-25, 2022.
- Resource person for the Intra-College Lab-skill training programme at session titled, “Agarose Gel Electrophoresis: Preparation of Agarose Gel & Usage & Maintenance of equipment”, for Assistants/Attendants in the Chemical and Life Science Laboratories under the aegis of DBT Star College Scheme from April 19-25, 2022.
- Resource person during the mentoring session for applying to DBT sponsored Star College scheme grant for Vidyasagar Metropolitan College, West Bengal (INDIA) on May 13 2022.
- Resource person during the mentoring session for applying to DBT sponsored Star College scheme grant for Marwadi College, Bhagalpur and Govt. Postgraduate College, Thalishain (Pauri Garhwal) Uttarakhand on May 25, 2022.
- Resource person for Mentoring session for applying to DBT Sponsored Star College Scheme Grant on 17<sup>th</sup> November 2022 for Govt. Degree College, Kupwara, Jammu and Kashmir.
- Convener, in the Faculty Improvement Program titled, “Digitalization of Laboratories and Library Data”, on 21<sup>st</sup> June, 2022 organized by the Department of Zoology, Shivaji College, University of Delhi.
- Convener for two-week Summer Training Program, “Tools & Techniques in Biological Research”, conducted by the Department of Zoology, under the aegis of DBT Star College Scheme from 28<sup>th</sup> June 2022-11<sup>th</sup> July 2022
- Resource person for modules: DNA Fingerprinting (RFLP & RAPD Technique) & Amplification of DNA using PCR and Interpretation of results to analyse DNA fingerprint of different prokaryotes in the Summer Training Programme, “Tools & Techniques in Biological Research”, conducted by the Department of Zoology, under the aegis of DBT Star College Scheme from 28<sup>th</sup> June 2022-11<sup>th</sup> July, 2022.
- Convener, national summer training program for UG & PG students on, “Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures”, from June 27- July 5, 2023, held under the aegis of DBT sponsored Star College Scheme.
- Resource person for the module, Hemolytic Assay, in a national summer training program for UG & PG students on ‘Assessment of Physical & Mental Wellness: Clinical Relevance & Remedial Measures’, from June 27- July 5, 2023, held under the aegis of DBT sponsored Star College Scheme.
- Resource person for a Mentoring Session held under the aegis of Star College Scheme on 24th November, 2023 for Government College, Lawan, Chhattisgarh.

- Convener, SCS, for Thalassemia Screening Camp & Awareness Drive, organised by Department of Biochemistry & Department of Zoology, Shivaji College, University of Delhi. Under the aegis of DBT Star College Scheme (SCS) & Internal Quality Assurance Cell (IQAC) with State Blood Cell, Maulana Azad Medical College & BHOR-Living Humanly Foundation on 9<sup>th</sup> February, 2024.
- Convener for national Summer Training Program, “Tools and Techniques for assessing basic health parameters and making healthy life style choices”, organised under the aegis of DBT Star College Scheme from 2<sup>nd</sup> July – 10<sup>th</sup> July, 2024 for Undergraduate and Postgraduate students.
- Resource person for national Summer Training Program, “Tools and Techniques for assessing basic health parameters and making healthy life style choices”, organised under the aegis of DBT Star College Scheme, for two modules on, “Assessment of food choices & Environmental Sustainability in relation to carbon foot-printing”, and “Epidemiological studies of impact of lifestyle choices and disorder”, on 4<sup>th</sup> & 10<sup>th</sup> July 2024 respectively at Shivaji College, University of Delhi.
- Member for structuring the course for Four Year Undergraduate Programme (FYUP) Applied Course (AC Paper) III Semester Medical Diagnostics in year 2013.
- Member subject revision committee for B.Sc. Honors Zoology Evolutionary Biology paper, University of Delhi in year 2017.
- Member subject revision committee UGC-LOCF for Biotechnology for B.Sc. Zoology Honors, University of Delhi in year 2019.
- Chaired a session at 8th International Conference LASACON on 26th November 2017 collaboratively organized by CSIR-IGIB, NIB, JNU & LASA.
- Jury, Indian Space Science Week Celebration 5<sup>th</sup> -12<sup>th</sup> August 2020 organised by the Research Cell, Bhagini Nivedita College, University of Delhi.
- Judge in "Frame the Fauna"- An Inter-College Photography Competition held on 4th October, 2021 as a part of "Wildlife Week Celebration: WILD-O-VIGUS" organized by Deshbandhu College, University of Delhi, New Delhi, India.
- Chaired a keynote session in Health 2021 e-INTERNATIONAL CONFERENCE CANCER BIOLOGY : ADVANCES & CHALLENGES organized from 11<sup>th</sup> -13<sup>th</sup> November 2021 organised by Department of Zoology, under the aegis of DBT Star College Scheme, Deshbandhu College, University of Delhi in collaboration with Indian Council of Medical Research (ICMR) & NIPER.
- Jury Member in the third National Biomedical Research Competition (NBRCOM 2021) organized by AIIMS-Rishikesh, JNU-Delhi, PGIMER-Chandigarh, NIPER-Mohali, CDRI-Lucknow, IITR-Lucknow and AIIMS-Jodhpur under the aegis of Society of Young Biomedical Scientists, India from 6<sup>th</sup> - 10 December 2021.

- Judge, for Inter college working scientific model competition during ‘Azura’, Life Science society, Aranyam, annual event in April 2022.
- Judge, oral presentations on, “Emerging trends in RNA based therapeutics on 25<sup>th</sup> April 2024 in National Conference on RNA based Therapeutics: Discovery to Clinic, organised by Department of Biochemistry, Shivaji College, University of Delhi, in collaboration with CSIR.
- Reviewer for Cogent International Journal, Taylor & Francis Group, UK.

#### **Cultural/Extracurricular Activities**

- Member organizing committee for a one-day workshop “Ankuran” on Development of Herbal Garden organized by e-saviours, Eco-Club, Shivaji College, University of Delhi, on 29th January,2015.
- Conducted ADAPT- The Plantation Drive with Leaders For Tommorrow (LFT) in college on 17<sup>th</sup> September 2015 at Shivaji College Campus.
- Organizing member Entrepreneurship development cell National E-submit held during 11-12 Jan 2018 at Shivaji College.
- Teacher Co-Ordinator Enactus 2015.
- Organizing Committee member International E- summit on “Entrepreneurship development through Ecotourism in Northeast India” on 14 February, 2019 at Shivaji College, University of Delhi.
- Member Editorial Team of Sansmaran “A Decade of Reminiscence”, a Coffee Table Book released By Women Development Cell, Shivaji College, on January 10, 2020 (ISBN 8190-1856-24).
- Editorial Board member of Women Development Cell’s Coffee Table Book- Manaswini 2021, ISBN: 978-81-954354-2-5 published by Color Edge, New Delhi, , Released on September 3, 2021.

*Dr. Deepika Yadav*