




Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Ms.	NIMITA	KANT	
Designation	ASSOCIATE PROFESSOR		
Address	SHIVAJI COLLEGE, RING ROAD, SHIVAJI ENCLAVE, RAJA GARDEN, NEW DELHI, DELHI 110027		
Office Phone No.	011-25116644		
Residence			
Mobile	9871620360		
Email	nimita@shivaji.du.ac.in		
Web-Page			
Educational Qualifications	M.Sc. NET-JRF (CSIR-UGC)		
Degree	University/Institute	Year	
Ph.D.			
M.Phil./M.Tech.			
PG	M.Sc. Zoology, Hansraj College, University of Delhi	2006	
UG	B.Sc. Zoology, Gargi College, University of Delhi	2004	

Any Other Qualification	NET-JRF (CSIR-UGC)	2007
Career Profile		
<p>After completing M.Sc. in Zoology in 2006 (Topped my Specialization: Reproductive Physiology). I was awarded a Junior Research Fellowship in Life Sciences under the CSIR fellowship scheme and was declared eligible for Lecturer-ship (NET- qualified) in June 2007. Worked as Assistant Professor at Kalindi College, University of Delhi (July2007-August 2007). Served Shivaji College as Assistant Professor in the Department of Zoology Since August 2007 till July 2021. Presently serving Shivaji College as Associate Professor in the Department of Zoology.</p> <p>Participated and organized various International/National Seminars & Conferences Since then. Completed an Innovation research project SHC-308 titled "“A Dried Blood Spot collection study for detection of Brucellosis in Bovine Population of Indian villages: an ELISA based system specific to Omp25 and Omp28 proteins of <i>Brucella abortus</i>.” funded by Delhi University (2016-17).</p> <p>Also mentored project titled “To record the Seasonal Variation of Invertebrates Biodiversity In Riparian Zone Of The Yamuna River In Delhi –NCR region by using Foldscope as a research tool” under foldscope scheme, sanctioned by the DBT (Department of Biotechnology, Ministry Of Science And Technology, Govt. of India. (July2018toOct.2019) Project extension from March 30th 2019 to18th September 2019.</p> <ul style="list-style-type: none"> • Co-supervised, Junior Research Fellow Miss Deuvshree Sharma from July 3, 2018, to July 3, 2019, in the above project. • Currently doing independent research work on developing a better pedagogical tool to teach Embryology/ Developmental Biology to Undergraduate students. • Co-convenor, Department of Biotechnology (DBT) STAR College for Zoology dept. Shivaji College, University of Delhi. 		
Administrative Assignments		
<ol style="list-style-type: none"> 1. SC/ST LIASION OFFICER-APPOINTED AS SC/ST LIAISON OFFICER FOR SHIVAJI COLLEGE W.E.F. (29.8.2011) TO (31.08.2020) 2. APPOINTED AS SC/ST OBSERVER IN SELECTION COMMITTEE FOR APPOINTMENT OF AD-HOC TEACHING FACULTY (ASSISTANT PROFESSOR) OF VARIOUS DEPARTMENT SINCE 2011. 3. SERVED AS TEACHER-IN-CHARGE IN THE DEPARTMENT OF ZOOLOGY, SHIVAJI COLLEGE, D.U. (2017-18) AND (2021-22). 4. SERVED AS SECRETARY, SCTA (SHIVAJI COLLEGE TEACHERS ASSOCIATION) ON NOVEMBER 7, 2019- 29TH MARCH 2022. 		

5. APPOINTED AS A CONVENER OF SC/ST/OBC COUNSELLING CELL FOR ADMISSIONS 2022-23 IN THE STAFF COUNCIL HELD ON 7TH SEPTEMBER 2022.
6. APPOINTED AS THE CONVENER OF THE SC/ST/OBC GRIEVANCE CELL.
7. APPOINTED AS THE CONVENER OF SCIENCE COURSES IN THE TIME TABLE COMMITTEE, IN THE STAFF COUNCIL HELD ON 7TH SEPTEMBER 2022.
8. CONVENER, CULTURAL COMMITTEE (2022-TILL DATE).
9. CONVENER, DEVELOPMENT COMMITTEE (MAY 2023-TILL DATE).

Areas of Interest/Specialisation

1. **Reproductive Endocrinology**
2. **Developmental Biology**
3. **Cell Biology**
4. **Wild Life Conservation and Management.**
5. **Environment and Sustainability.**

Subjects Taught

1. **Developmental Biology**
2. **Animal Physiology**
3. **Cell Biology**
4. **Comparative Anatomy of Vertebrates**
5. **Fundamentals of Biochemistry**
6. **Evolutionary Biology**
7. **Chordates**

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

1. INNOVATION PROJECT TITLED (MINOR): “A Dried Blood Spot collection study for detection of Brucellosis in Bovine Population of Indian villages: an ELISA based system specific to Omp25 and Omp28 proteins of *Brucella abortus*.” Project Code: SHC 308, University of Delhi, Under the aegis of Innovation Project –Completed (Total Grant Rs. 5,00,000).
2. Co-Project Investigator of project – To record the Seasonal Variation Of Invertebrates Biodiversity In Riparian Zone Of The Yamuna River In Delhi –NCR region by using Foldscope as a research tool, under Foldscope Scheme, sanctioned by DBT (Department of Biotechnology, Ministry Of Science And Technology, Govt. of India. (Total Grant Rs. 8,00,000)
3. Co-convenor, Department of Biotechnology (DBT) STAR College for Zoology dept. Shivaji College, University of Delhi.
4. Annual Interdisciplinary Project title “Developing quantitative approach to biological understanding” under the DBT-Star College Scheme (Year: 2020-2021).

5. Successfully completed Minor research project MRP/2021/0008 entitled “Genomic, structural and mutational analysis of SARS-CoV-2 using in silico approach”, sanctioned by Research Cell, Shivaji College.
6. Successfully completed the Interdisciplinary Project title “Developing quantitative approach to biological understanding” under the DBT-Star College Scheme (Year: 2020-2021).
7. Successfully completed Digitalization of Zoology Museum and Laboratory Data under the DBT-Star College Scheme (Year: 2021-2022).
8. Granted a minor project titled “Developing insights into stem cell therapeutic potential for hematological disorders based on analysis of National Institute of Health (NIH)’s clinical trials repertoire” sanctioned by Research Cell, Shivaji College on 5th March 2023. (Ongoing)

Publications Profile (*Research Papers/Books*)

1. Nimita Kant, Parul Kulshrestha, Rashmi Singh, Anuradha Mal, Shashikant Kumar, Mohit Tehlan, Amita Dwivedi, Rinkle Mehra, Riya Ahuja, Shilpa Kaushik and Pritosh Ahmed, Prevalence of Brucellosis and awareness of its spread; DU journal of Undergraduate Research and Innovations, 2018, 3(1), 43-49.
2. Kant, N., Kulshreshtha, P., Singh, R., Mal, A., Dwivedi, A., Ahuja, R., ... Bhatnagar, R. (2018). A study to identify the practices of the buffalo keepers which inadvertently lead to the spread of brucellosis in Delhi. BMC Veterinary Research, 14(1), 329.
<https://doi.org/10.1186/s12917-018-1670-2>.
3. Chief Editor 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).
4. Kant N, Jayaraj P, Chitra. Analysis of sebaceous gland carcinoma associated genes using network analysis to identify potentially actionable genes. South Asian J Exp Biol; 11 (6): 634-645; 2021, DOI: [https://doi.org/10.38150/sajeb.11\(6\).p634-645](https://doi.org/10.38150/sajeb.11(6).p634-645)
5. Kant N, Jayaraj P et al. A cost-effective set-up to demonstrate embryonic limb development in Aseel (*Gallus gallus domesticus*) South Asian Journal of Experimental Biology(SAJEB)(eISSN: 2230-9799), (Volume 2021 in Issue 2) DOI: [https://doi.org/10.38150/sajeb.11\(3\)](https://doi.org/10.38150/sajeb.11(3))
6. Kant, N., Samanta, S., Panchal, I., Pandey, A., Ghatak, L., Rout, A., & Chaudhary, J. K. (2022). Genome-wide mutation/SNP analysis, biological characteristics, and Pan-India prevalence of SARS-CoV-2 Variants of Concern. Chemical Biology Letters, 9(2), 331. <https://pubs.thesciencein.org/journal/index.php/cbl/article/view/331>

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7. Chaudhary, J. K., Yadav, R., Chaudhary, P. K., Maurya, A., Kant, N., Rugaie, O. A., Haokip, H. R., Yadav, D., Roshan, R., Prasad, R., Chatrath, A., Singh, D., Jain, N., & Dhamija, P. (2021). Insights into COVID-19 Vaccine Development Based on Immunogenic Structural Proteins of SARS-CoV-2, Host Immune Responses, and Herd Immunity. *Cells*, 10(11), 2949. <https://doi.org/10.3390/cells10112949>
 8. Kant, N., Jayaraj, P., Sen, S., Rupani, H., Kumar, P., Dahiya, S., Chugh, P., Gupta, M., & Sengar, M. (2023). Establishment of patient-derived xenografts of retinoblastoma and choroidal melanoma on the avian chorioallantoic membrane. *Indian journal of ophthalmology*, 71(3), 977–982. https://doi.org/10.4103/ijo.IJO_1494_22
 9. Chaudhary, J. K., Saini, D., Chaudhary, P. K., Maurya, A., Verma, G. K., Gupta, A. K., Roshan, R., et al. (2022). Exploring the Immunomodulatory Aspect of Mesenchymal Stem Cells for Treatment of Severe Coronavirus Disease 19. *Cells*, 11(14), 2175. MDPI AG. Retrieved from <http://dx.doi.org/10.3390/cells11142175>

Conference proceedings

1. Jayaraj P, Sen S, Kant N, “Pd1 and Pdl1 Pathway In Sebaceous Gland Carcinoma Of The Eyelid: A Possible Target For Curcumin and Apeginin, International Conference On Natural Products and Human Health-27-29 February 2020, Department Of Zoology Deshbandhu College, University of Delhi (ISBN 9788194428237)
2. Nabhnita Ghosh, Deepanjan Banerjee, Vani Srinivasan, Mehak Madan, Abhimanyu Singh, Perumal Jayaraj, and Nimita Kant, “Study of early stages of osteogenesis in Aseel using cost effective and reproducible set-up at undergraduate level”, International Conference on Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases - February 12-13, 2020, Department of Biochemistry, Shivaji College, and South campus, University of Delhi (ISBN 8190-1856-91)
3. Perumal Jayaraj, Nimita Kant, Visualization of apoptosis and endochondral ossification during embryonic development of Aseel in a cost-effective set-up, International Conference on Innovations in Biotechnology and Life Sciences, Department of Biotechnology, DTU held from 18th December to 20th December 2020 (ISBN 978-93-88647-33-5)
4. Perumal Jayaraj, Nimita Kant, Seema Sen “Analysis of invasive properties of retinoblastoma and uveal melanoma xenograft using chick chorioallantoic membrane” assay Published in Proceedings of 2nd Virtual International Conference on Naturopathy, Nanotechnology, Neutraceuticals and Immunotherapy Cancer Research- 2021 ICN3IC21, Virtual, June 11-12, 2021, CCA91. ISBN: 978-81-950236-5-3 Published by School of Life Sciences, B.S. Crescent Institute of Science & Technology, Vandalur, Chennai – 600048.
5. Palak, Shefali Dahiya, Perumal Jayaraj, Nimita, Seema Sen. "Chicken chorioallantoic membrane assay as an in vivo model to study ocular malignancies and efficacy of nanoparticles" Published in Proceedings of International Conference on Nanoparticles: Biomolecules for Human Health (NBHH-2021) held virtually for two days, September 27-28, 2021, organized by Kirori Mal College, University of Delhi. ISBN 978-81-841-21- 935 Annual Report 2021-2022 147

6. Palak, Perumal Jayaraj, Nimita, Seema Sen. "Avian chorioallantoic membrane assay: alternative animal model to study ocular malignancies" Published in Proceedings of International Conference on Emerging Trends in Biological Sciences (ICETBS-2022)' organized by P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Changa - 388 421 (Gujarat, India) held from January 9-11, 2022.
7. Nimita Kant*, Shamashree Samanta, Ishika Panchal, Abhishek Pandey, Lagna Ghatak, Adyasha Rout, Jitendra Kumar Chaudhary* Biological Characteristics of SARS-CoV-2 Variants of Concern (VOC) and their Prevalence across India" Published in Proceedings of International Conference on INFECTIONS AND IMMUNITY, ICII-2021 organized by Daulat Ram College, University of Delhi held from OCTOBER 8-10, 2021. ISBN Paperback: 978-93-91465-02-5

Conference/Seminar/Faculty Development Programme/Workshop

1. Participated in ISCE-2005, National Symposium on Comparative Endocrinology & Reproductive Physiology: Retrospect & Prospect (Nov17-19'2005) Organized by Dept. of Zoology, University of Delhi -7
2. Participated in Workshop organized by ILL& Daulat Ram College, D.U. on Biology Laboratory Course (BY-106) for B.Sc. Prog. First Year(Sept 2-4'2008)
3. Participated in Workshop organized by ILL & Centre of Promotion of Undergraduate Research & Training- ANDC-D.U. on Biology Laboratory Course (LS 306) for B.Sc. Prog. Third Year (Oct 21-24'2008)
4. Participated In National Symposium On "*Catenanes*" (Molecular Cell Biology) Organized by the Department Of Biochemistry, Shivaji College, University Of Delhi on 24-25th March 2009
5. Attended Conference organized by Indian Eye Research Group (IERG)-LVPEI-CCMB 19th Annual meeting-July 30-31'2011 at Hyderabad, India
6. Participated in SYNTENY-2007- The Biochemical Society Seminar, Organized by dept. of biochemistry, Shivaji College, D.U. Oct 26-27' 2007

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7. Participated in FRONTIERS AND AVENUES IN PLANT SCIENCES Seminar, Organized by Dept. of Botany, Shivaji College, D.U. on 20-21st January 2011.
 8. Successfully Organized And Conducted A Joint Lecture Series Cum Departmental Society Function Named – BIOCONVERGENCE – 2014, THE SCIENCE CARNIVAL, By Dept. Of Biochemistry, Botany And Zoology, SHIVAJI COLLEGE as a TREASURER For The Above Event Held On 26TH and 27TH March 2014
 9. Successfully Organized And Conducted A Joint Lecture Series Cum Departmental Society Function Named – BIOCONVERGENCE – 2015, THINK SCIENCE, By Dept. Of Biochemistry, Botany And Zoology, and Chemistry, SHIVAJI COLLEGE as a TREASURER For The Above Event Held On 12TH March 2015
 10. Participated in the Annual Conference Of Indian Society Of Medical & Paediatric Oncology (ISMPO) held on 5-6th November 2016.
 11. Participated In National Symposium On *Lifestyle Disorders* (Understanding The Molecular Mechanisms) Organized by the Department Of Biochemistry, Shivaji College, University Of Delhi on January 28-29, 2016.
 12. Participated in a Workshop On “Environmental Pollution And Health In Urban Ecosystems” (EPHUE-2016) held At Department Of Environmental Studies, North Campus, New Delhi On 23rd June 2016.
 13. Poster Presentation entitled, “Seroprevalence survey of Brucellosis in buffalo population of Delhi NCR region” at National Conference, Bioepoch 2016 on 14th March 2016, Jawaharlal Nehru University, Delhi, India
 14. Poster Presentation entitled, “Seroprevalence survey of Brucellosis in buffalo population of Delhi NCR region” at National conference on Trends in Research and Innovations in Life Sciences at Undergraduate level on 30th March 2016, Deen Dyal Upadhyaya College, University of Delhi.
 15. Participated in a workshop “DNA Fingerprinting”- Science Setu organized at Hindu College on 22nd Jan 2016 by NII and University of Delhi.
 16. Participated in Brucellosis 2016 International Research Conference Held At National Agricultural Science Complex (NASC) , New Delhi , held from 17-19th November 2016.
 17. Participated at INSCR International Conference (IIC-2017) On Role Of Microbe Plant Animal Interaction In Human Health Held From September 26-28th 2017.
 18. “Workshop on Microscopy” jointly Organized by ‘Indian Society Of Cell Biology’ and Department Of Genetics , University of Delhi South Campus, New Delhi 110021 on 27th March 2018.
 19. Successfully completed Ten days Faculty Development Program titled” University Functioning & Blended Learning” from 8th Dec- 20th Dec 2018 conducted by Guru Angad Dev Teaching Learning Centre , under P MMMNMTT scheme of MHRD, Govt. of India, at SGTB Khalsa College, University Of Delhi.

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20. Successfully completed One-week Faculty Development Programme For Senior Faculty organized by the UGC-HRDC, Jamia Milia Islamia, New Delhi from 24th Dec - 31st Dec 2018.
 21. Attended International Conference Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) 25-26 February, 2019 Organised by: Centre for Global Health, Hansraj College, University of Delhi, Delhi, India & Loyola University Chicago Stritch School of Medicine, USA.
 22. Poster presentation (PP-62) “Correlation and prognostic significance of programmed death-ligand 1 and p53 mutational status in eyelid sebaceous gland carcinoma” at International Conference Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019) 25-26 February, 2019 Organised by: Centre for Global Health, Hansraj College, University of Delhi, Delhi, India & Loyola University Chicago Stritch School of Medicine, USA.
 23. Participated in E summit on February 14-15, 2019 on the theme, ‘Entrepreneurship Development through Ecotourism in Northeast India’. at Shivaji College.
 24. Participated in National Workshop titled “*Emerging Pollution Challenges on Earth Ecosystem–SAFAR, India’s Novel Initiative*” on Tuesday 26th March 2019 at the Conference Centre, University of Delhi & was organized by Environment Pollution Laboratory, Department of Environmental Studies, University of Delhi and is sponsored by the Ministry of Earth Sciences, Government of India.
 25. Participated in a One-day National Symposium on "Recent Trends in Biological Sciences" on the 10th of April, 2019 organized by the Department of Biochemistry, Shivaji College, University of Delhi.
 26. Poster Presentation entitled “A Cost-Effective and Efficient egg windowing method to teach early embryonic development in chick (*Gallus gallus domesticus*) to under-graduate students” at National Symposium on "Recent Trends in Biological Sciences" on the 10th of April, 2019 organized by the Department of Biochemistry, Shivaji College, University of Delhi.
 27. Awarded “First Prize” in Poster Presentation entitled “A Cost-Effective and Efficient egg windowing method to teach early embryonic development in chick (*Gallus gallus domesticus*) to under-graduate students” at National Symposium on "Recent Trends in Biological Sciences" on the 10th of April, 2019 organised by the Department of Biochemistry, Shivaji College, University of Delhi.
 28. Successfully completed a 4-day Hands-On Training Workshop on “*Drosophila and Zebra Fish Model Systems*” organized by Daulat Ram College, University Of Delhi in Collaboration With Sansriti Foundation from (28th-31st May, 2019).
 29. Successfully completed a one-week FDP-12 in “Biomathematics” organized by Shivaji College, University of Delhi in Collaboration with Mahatma Hansraj Faculty

Development Centre under PMMMMTT, Hansraj College, University of Delhi from 1st-7th August, 2019.

30. Participated in One Day National Workshop Entitled “Advance Excel for Teaching and Research: Data Management and Data Analysis” organized by and held at Guru Angad Dev Teaching Learning Centre of MHRD, SGTB Khalsa College, University of Delhi on 30 August 2019.
31. Participated In One Day National Seminar Cum Workshop on e-CONTENT MOOCs (SWAYAM) and ARPIT” jointly Organised by All India Council for Technical Education (AICTE) and Guru Angad Dev Teaching Learning Centre of MHRD at SGTB Khalsa College, University of Delhi on 31 August 2019.
32. Co-convener/Organiser of a five-day, Inter-College, Laboratory Skill Training Program For Assistant / Attendants in The Chemical and Life Sciences Laboratories Under DBT, Star College Scheme from May 20-24, 2019.
33. Successfully organized a One-day Lecture and Hands On training by Dr. Jim Cybulski “The Co-Inventor of Foldscope”, President and CEO of Foldscope, Instrument, Inc. & Dr. Shailja Vaidya Gupta, Adviser, (Scientist G), International Cooperation, Department of Biotechnology, Ministry of Science and Technology on 15th April, 2019.
34. Co-convener/Organiser of One-day National Seminar On “Recent Trends in Biological Research and Career Prospects”, organized by Department of Zoology, under the aegis of Star College Scheme on September 27, 2019.
35. Nimita Kant, Deepanjan Banerjee, Vani Srinivasan, Mehak Madan, Perumal Jayaraj. Poster presentation under the category of Innovative idea for the paper “Study of early stages of osteogenesis in Aseel using cost effective and reproducible set-up at undergraduate level” at the One-day National Seminar On “Recent Trends in Biological Research and Career Prospects”, organized by Department of Zoology, under the aegis of Star College Scheme on September 27, 2019.
36. Abstract presentation “PD-1 and PD-L1 pathway in sebaceous gland carcinoma of the eyelid: a possible target for curcumin and Apeginin?” at the International Conference on Natural Products and Human Health-2020 (ICNPHH-2020) Deshbandhu College, University of Delhi, Kalkaji, New Delhi, on February 26-29, 2020.
37. Nabhnita Ghosh, Deepanjan Banerjee, Vani Srinivasan, Mehak Madan, Abhimanyu Singh, Perumal Jayaraj, and Nimita Kant. Poster presentation under the category of Innovative idea for paper “Study of early stages of osteogenesis in Aseel using cost effective and reproducible set-up at undergraduate level” at the International Conference on Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases on February 12-13, 2020, organized by the Department of Biochemistry, Shivaji College, and South campus, University of Delhi.
38. International Seminar on Science, Environment and Spirituality poster presented on “Yoga: An Ancient Therapy for Healthy Mind and Body” organised by Eco Club,

Shivaji College, University of Delhi, on September 13,2019.

39. International Seminar on “Science, Environment and Spirituality” poster presented on “Meditation: Antidote to Chemical Imbalance” organised by Eco Club, Shivaji College, University of Delhi, on September 13,2019.
40. Served as the Resource person at the Session IV titled “Museum Keeping: Animal Specimen Maintenance” during the Inter-Departmental Laboratory Skill Training Programme for Assistants /Attendants in The Chemical and Life Sciences Laboratories from May 20-24, 2019.
41. Co-convener/Organiser of a five-day, Intra-College, Laboratory Skill Training Program For Assistant / Attendants in The Chemical and Life Sciences Laboratories Under DBT, Star College Scheme from 27th Nov – 3rd Dec 2019.
42. Served as the Resource person at the session IV titled “Museum Keeping: Animal Specimen Maintenance” during the Intra-college laboratory skill training program for assistants/ attendants in the chemical and life sciences laboratories from 27th Nov – 3rd Dec 2019.
43. Co-convener/Organiser of Health Camp, “Know your Wellness”, on July 5-9, 2019, for the student’s seeking admission in Shivaji College, accompanying parents and faculty members.
44. Co-convener/Organiser of Campus Dragonfly Count organised by the Department of Zoology, under the aegis of DBT STAR COLLEGE SCHEME in collaboration with WWF India, BNHS & CEC Delhi on August 20 2019.
45. Co-convener/Organiser Campus Butterfly Count organised by the Department of Zoology, under the aegis of DBT STAR COLLEGE SCHEME in collaboration with WWF India, BNHS & CEC Delhi on September 19, 2019.
46. Co-convener/Organiser of One-day National Seminar on Recent Trends in Biological Research and Career Prospects organised by the Department of Zoology under the aegis of Star College Scheme on September 27, 2019.
47. Participated in the First JNU Workshop for Empowering Teaching Through Online Mode (JNU WETOM-I) held on April 18 - 19, 2020 (Serial number 1047).
48. Participated in the Faculty Development Program: National Webinar entitled “*Towards Excellence in Higher Education In India In The 21st Century Challenges And Opportunities*” Organized By Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University Of Delhi, Under The Pandit Madan Mohan Malviya National Mission On Teachers And Teaching (PMMMNMTT) of MHRD held on May 1, 2020 Equivalent to a Regular National Seminar. (S.NO. :GAD-TLC/2020/WB10/365)
49. Participated in the Faculty Development Program: National Webinar entitled “*Corona pandemic and Economic challenges in India*” Organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University Of Delhi, Under The Pandit Madan Mohan Malviya National Mission On Teachers And Teaching (PMMMNMTT) of MHRD held on May 4, 2020. Equivalent to a Regular National Seminar.

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50. Attended National webinar on “*Cyber Crime During Coronavirus Era Its Prevention and Protection*” organized by Shri Vile Parle Kelavani Mandal’s Mithibai College of Arts, Chauhan Institute of Science and Amrutben Jivanlal College of Commerce & Economics, (AUTONOMOUS) Vile Parle (W), Mumbai-56, University of Mumbai UNDER THE AEGIS OF RUSA- CENTRE FOR HUMAN EXCELLENCE on May 7, 2020.
 51. Participated in the International Webinar (Under the aegis of IQAC) on Psychological Well-Being and COVID-19: An Internal Journey, organized by Women Development Cell, Shivaji College, University of Delhi on May 7, 2020.
 52. Participated in the webinar on “Zebrafish Model System” organised by the Department of Biochemistry, Shivaji College, University of Delhi under the aegis of DBT sponsored Star college scheme held on May 8 2020.
 53. Participated in the Second JNU Workshop for Empowering Teaching Through Online Mode (JNU WETOM-II) held on May 9 –10, 2020 (Serial number F0537).
 54. Participated in the Webinar (Under the Aegis of IQAC) on Mind Matters: Coping with Stress, organized by Women Development Cell, Shivaji College, University of Delhi on May 11, 2020.
 55. Successfully completed One week Faculty Development Programme on “Open Source Tools For Research” organised by Teaching Learning Centre Ramanujan College University Of Delhi Sponsored By Ministry Of Human Resource Development Pandit Madan Mohan Malviya National Mission On Teachers And Teaching (PMMMNTT) of MHRD from June 8 to June 14, 2020.
 56. Successfully completed Two-week Faculty Development Programme On “Managing Online Classes and Co-Creating MOOCs 2.0” Organised by Teaching Learning Centre Ramanujan College University of Delhi Sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD from May 18 - June 3, 2020.
 57. Co-convener/Organiser of an Online Summer Training Internship Titled “COVID -19: Epidemiology and Impacts” Organised by The Department of Zoology, Under the Aegis of DBT STAR COLLEGE SCHEME (15th June- 26th July 2020).
 58. Successfully Completed the National One Week Online Faculty Training Program On “Pedagogical Training for Effective Online Teaching and Learning” Organised by Deen Dayal Upadhyay College, University of Delhi and K.T.H.M College, Nashik under Internal Quality Assurance Cell and DBT Star College Program From 3rd To 10th August 2020.
 59. Co-convener/Organiser of One-day Webinar on “Plastics& Endocrine Disruption: A 21st Century Update” organised by the Department of Zoology under the aegis of Star College Scheme on September 24, 2020.
 60. Participated in the webinar (under the aegis of IQAC) on stress management in the times of COVID-19 pandemic organised by Women Development cell, shivaji college, university of delhi on July 22, 2020.

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61. E-presented poster titled “Evaluation of Telomerase reverse transcriptase (TERT) expression in squamous cell carcinoma (SCC) of the skin” for the Hybrid “Annual Conference of Indian Society of Medical and Pediatric Oncology –ISMPOCON 2020” held on 6th – 8th November 2020.
 62. Mentored the module titled: Biology of nCovid -19 under Online Summer Training Internship Titled “COVID -19: Epidemiology and Impacts” Organised by the Department of Zoology, Under the Aegis of DBT STAR COLLEGE SCHEME (15th June- 26th July 2020).
 63. Co-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, under the aegis of DBT Star College Scheme.
 64. Co-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, under the aegis of DBT Star College Scheme.
 65. Co-convener, webinar on, “Combating the millennium pandemic: Diagnostics & Infection prevention” by Dr. Devjani De, Head, Microbiology, Dr. Dang’s Lab on 18th September 2020.
 66. Co-convener, webinar on, “Plastics & Endocrine Disruption: A 21st Century Update”, by Dr. (Prof.) Deep Dutta, D.M. Endocrinology FRCP, FACE on 24th September 2020.
 67. Co-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 24th February 2021 by Dr. Anupma Harshal W. from IISER, Pune
 68. Co-convener of a One Week “Inter College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories” was organised (February 8 -February 15 2021) under the aegis of DBT sponsored Star College scheme.
 69. Resource person, of a One Week “Inter College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories” was organised (February 8 -February 15, 2021) under the aegis of DBT sponsored Star College scheme.
 70. Co-convener of a five-day “Workshop for School Teachers in Biological and Chemical Sciences” was organized by the Department of Biochemistry, Botany, Chemistry and Zoology of Shivaji college under the aegis of DBT sponsored star college scheme from March 22-26, 2021.
 71. Resource person of a five-day “Workshop for School Teachers in Biological and Chemical Sciences” was organized by the Department of Biochemistry, Botany,

Chemistry and Zoology of Shivaji college under the aegis of DBT sponsored star college scheme from March 22-26, 2021.

72. Submitted Abstract titled: Visualization of apoptosis and endochondral ossification during embryonic development of Aseel in a cost-effective set-up. International Conference on Innovations in Biotechnology and Life Sciences, Department of Biotechnology, DTU held from 18th December to 20th December 2020.
73. Delivered Invited lecture (outreach activity): on "Chick windowing method: Naked eye observation of early embryonic development and its scope in Research" at Vigyan Jyoti Scheme, Phase -II An Initiative of DST, Govt. of India, Jawahar Narvodaya Vidyalaya, Faridkot, Punjab and DBT Sponsored Star College Scheme, Shivaji College, University of Delhi on 19th June 2021 from 11:00 to 12:30 pm.
74. Co-convenor for the Two-Week Online Summer Internship Training entitled "Current Diagnostic & Therapeutic Modalities for COVID-19" held under the DBT Star College Scheme, from 28th June- 10th July, 2021 on Zoom platform.
75. Resource Person for the Two-Week Online Summer Internship Training entitled "Current Diagnostic & Therapeutic Modalities for COVID-19" held under the DBT Star College Scheme, from 28th June- 10th July, 2021 on Zoom platform.
76. Co-convenor for the Intra-College Laboratory Skill Training Programme for Laboratory Assistants/Attendants in the Chemical and Life Science Laboratories under DBT Star College Scheme, from 11th –17th August 2021, held at, Department of Zoology, Shivaji College, University of Delhi, New Delhi.
77. Resource for the Intra-College Laboratory Skill Training Programme at the session III titled "Museum Upkeep and Maintenance" for Laboratory Assistants/Attendants in the Chemical and Life Science Laboratories under DBT Star College Scheme, from 11th –17th August 2021, held at, Department of Zoology, Shivaji College, University of Delhi, New Delhi.
78. Organized a Virtual Lab visit to NOVA IVF Centre on 5th August 2021 for students of Biological Sciences as a part of their curriculum.
79. Co-convenor, Webinar on "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 16th August 2021.
80. Organized an Educational Visit to Okhla Bird Sanctuary on 7th October 2021 for the students of B.Sc. Zoology (H) guided by Dr. Ishtiyak Ahmed (Education Officer, CEC-BNHS).
81. Co-convenor, Webinar on "Treatable genetic disorders: A glimpse into the gene therapies" by Dr. Veronica Arora, Associate Consultant, MS (OBS & GYNAE), Institute of Medical Genetics & Genomics, Sir Ganga ram Hospital, New Delhi on 2nd December 2021 under the aegis of DBT sponsored Star College Scheme.
82. 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 December 6-10, 2021.
83. Successfully completed One Week Online-Faculty Development Program on Environmental Audit June 28-July 2, 2021 organized by Kirori Mal College, University of Delhi, Under the aegis of DBT Star College Scheme, in collaboration with Pandit Madan Mohan Malviya National Mission on Teachers & Training (PMMMNTT) Mizoram University, Aizwal.
84. Attended and presented paper titled "Biological Characteristics of SARS-CoV-2 Variants of Concern (VOC) and their Prevalence across India" at "International conference on

“Infections and Immunity” organized by the Department of Zoology, Daulat Ram College, University of Delhi on October 8-10, 2021.

85. Successfully completed a One Week (Online) Faculty Development Programme on “MOOCs AND E-CONTENT DEVELOPMENT” organised by Shivaji College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi from 23rd-29th November 2022.
86. Successfully completed the hands-on workshop on “Microtomy- Principles and Procedures” organized by Kirori Mal College under the aegis of DBT Star Status Scheme from 20th-21st June 2023.
87. Appointed you as a member of the expert panel to conduct the presentation of research outcomes of Minor Research Projects sanctioned in the academic year 2021-2022 under the intramural research scheme of the college by the students to be held on April 03, 2023 in annual festival of the cell "SRIJAN-2023".

Awards and Distinctions

- 1. Awarded Junior Research Fellowship in Life Sciences under CSIR- fellowship scheme and was declared eligible for Lecturer-ship (NET- qualified) in June 2007.**
- 2. Awarded “First Prize” in Poster Presentation entitled “A Cost-Effective and Efficient egg windowing method to teach early embryonic development in chick (*Gallus gallus domesticus*) to under-graduate students” at National Symposium on "Recent Trends in Biological Sciences" on the 10th of April, 2019 organized by the Department of Biochemistry, Shivaji College, University of Delhi.**
- 3. Awarded “First Prize” in Poster Presentation entitled “Study of early stages of osteogenesis in Aseel using cost effective and reproducible set-up at undergraduate level” at One Day National Seminar on “Recent Trends in Biological Research and Career Prospects”, organized by the Department of Zoology, under the aegis of Star College Scheme on September 27, 2019.**

Other Academic Activities

- 1. Successfully completed, Orientation Course –OR-67, Organized by UGC-ASC, CPDHE-ILLL, University of Delhi (June 20, 2011 to July 16,2011)**
- 2. Successfully completed, Refresher Course in Life sciences organized by UGC- ASC, CPDHE, ILLL, University of Delhi (Dec 9, 2015 to Dec 30, 2015)**
- 3. Served as a Co-convener of the Workshop for Laboratory Assistant/Attendants in Chemical and Life Sciences, Organized by Shivaji College, University of Delhi from 16-18 July, 2014.**
- 4. Served as a Resource Person for the Science Manual at INSPIRE CAMP 2015 held at Shivaji College from 19th to 23rd December 2015.**

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- 5. Appointed as Associate Coordinator for Environmental Studies (ES111) online examination for B.Sc. (Prog.) 2010.**
 - 6. Member of Under-Graduate Curriculum Revision Committee-2019, University of Delhi, under UGC's Learning Outcome-Based Curriculum Framework (UGC-LOCF) for the course titled Developmental Biology in B.Sc. (Honors) Zoology CBCS Programme.**
 - 7. Co-convener, Department of Zoology, Shivaji College, for DBT Star College Scheme.**

Cultural/Extracurricular Activities

- 1. Served As A Member Of Following Committee: Magazine, Prospectus, Garden, Culture & Website Committee.**
- 2. Served as a Convenor of the Garden Committee of Shivaji College for 3 years from 2014.**
- 3. Presently (2019) a member of Cultural Committee & Women Development Cell (WDC), Shivaji College.**
- 4. Secured IInd Position in Musical Chair event, at Annual Sports Day 2010.**
- 5. Secured Ist Position in Three-legged race event, at Annual Sports Day 2011.**
- 6. Ist position in "Bombing the City" event at Annual Sports day 2014.**
- 7. Runner-up in women's cricket match at Annual Sports day 2017.**

(Ms. Nimita Kant)
Associate Professor
Department of Zoology
Shivaji College
University of Delhi