Shivaji College (University of Delhi) Faculty Details

Title	Dr.	**First Name**	JITENDRA	**Last Name**	CHAUDHARY	**Photograph**
Designation	ASSISTANT PROFESSOR					
Address	Jia Sarai, Hauz Khas, New Delhi PIN: 110016					
Office Phone No.	NA					
Residence	NA					
Mobile	+91 9953585599					
Email	jitendra@shivaji.du.ac.in; jnujitendra@gmail.com					
Web-Page	Web Link: https://www.shivajicollege.ac.in/academics/departments/faculty.php?department=zoology Google Scholar Link: https://scholar.google.com/citations?user=vE-QCoQAAAAJ&hl=en Research gate Link: https://www.researchgate.net/profile/Jitendra-Chaudhary-3/research					
Educational Qualifications	**M.Sc.; M. Phil/Ph.D.**					
Degree	**University/Institute**					**Year**
Ph.D. *(Stem Cells/Regenerative Medicine)*	Jawaharlal Nehru University (JNU), New Delhi					2014 *(Awarded)*
M.Phil./M.Tech.	Jawaharlal Nehru University (JNU), New Delhi					2007-08 *(FIRST)*
PG *(Zoology)*	University of Allahabad (UoA), UP					2006 *(FIRST)*
UG *(Zoology, Botany, Chemistry)*	V. B. S. Purvanchal University, UP					2004 *(FIRST)*
Any Other Qualification	Special Courses/Diplomas on Biostatistics, Research Methodology, and English language at JNU					2007-2013
	Multiple courses/FDP/STP and workshops					2008-till date

Career Profile

[A] Teaching experiences: ~13 years

- Assistant Professor (Permanent): Since December 19, 2023 onward at Dept. of Zoology, Shivaji College, University of Delhi.
- Assistant Professor (Ad-hoc), Department of Zoology, Shivaji College, University of Delhi (Since 24th July 2013 till 18 Dec. 2023).

[B] Fellowships/Awards

- Qualified **ICMR-JRF** conducted by Indian Council of Medical Research (ICMR), New Delhi, India, 2007.
- Qualified **CSIR-JRF for SPMF (Ranked among top 10% at National Level)** conducted by Council of Scientific & Industrial Research (CSIR), India, 2007 (June).
- Qualified **CSIR-JRF** conducted by Council of Scientific & Industrial Research, India in the year 2007 (June).
- Qualified **CSIR-UGC-NET** conducted by the Council of Scientific & Industrial Research, India in the academic year 2006 (December).
- Qualified All India Entrance Examination for M.Phil./Ph.D. conducted by Jawaharlal Nehru University (JNU), New Delhi, India (2007) and stood among the top 10.
- Qualified Life Science Graduate Aptitude (**GATE**) Test in Engineering conducted by IIT Kanpur (Life Sciences) with All India Rank 846 in 2007.
- Qualified for many other National-Fellowship Competitive Examinations conducted by Premier Institutions of the country.

Administrative Assignments

- Coordinator Solar Panel Committee: 2026-2027
- Member Placement Cell: 2026-2027
- Member discipline committee: 2026-2027
- Member Institutional Ethics Committee: 2025-2026
- Member Udhmodaya EDC: 2026-2027
- Member Research & Innovation Cell: 2025-2026
- Convener Solar Committee: 2025-2026
- Member Cultural Committee, Shivaji College: 2023-2024
- Member Garden Committee, Shivaji College: 2023-2024
- Member TEDx Committee, Shivaji College: 2023-2024
- Member Cultural Committee, Shivaji College: 2022-2024
- Co-convener: DBT-STAR College Scheme: 2021-2023
- Member of Eco-Club, Shivaji College: 2021-2022
- Have worked in several departmental committees like the Instrumentation supervisory committee and Result Analysis Committee, Shivaji College, University of Delhi.
- Have worked as a member of the Discipline committee-2018-2019, Shivaji College, University of Delhi.
- Have worked as a member of Placement Cell-2018-2019, Shivaji College, University of Delhi.
- Have worked on the OBC admission committee
- Have worked as booth in-charge (EVM in-charge/supervision) during DUSU Elections.

Areas of Interest/Specialisation

Molecular Biology, Stem Cell, Genetics, Immunology, Biochemistry, Cancer Biology, Research Methodology and Biostatistics

Subjects/Papers Taught

Advanced Biotechniques and Bioinstrumentations, Animal Models and Experimentation, Molecular Biology, Cell Biology, Biochemistry, Animal/Human Physiology & Developmental Biology, Genetics, Biostatistics, Immunology, Invertebrate and Vertebrate Biology, Ecology and Environmental Sciences & Management, Biotechnology, Research Methodology, Forensic Chemistry, Food Nutrition and Health

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

- **Major Research Grant** (2025-2026/2027): Awareness campaign about Shatavari (*Asparagus racemosus* wild.) and its sapling distribution among students and residents in the selected districts of the NCT-Delhi. [Project No. DL-01/2025-26-NMPB]
- **Minor Research Grant** (2023-2024): Developing insights into stem cell therapeutic potential for hematological disorders based on analysis of the National Institute of Health (NIH)'s clinical trials repertoire [File Number: MRP/2022-2023/0006]
- **Minor Research Grant** (2020-2021): "Genomic, structural and mutational analysis of SARS-CoV-2 using *in silico* approach" [File Number: MRP/2021/0008]
- **DBT-STAR Scheme** (2019-2022): Developing quantitative approach to biological understanding. [https://dbtindia.gov.in/]

Publications Profile (*Research Papers/Books)*

[A] Research/Review Articles, Newsletter, popular science article, and Conference Proceedings

- Bhutani, K., Yadav, P., Chaudhary, P. K., Saini, D., **Chaudhary, J. K.**, & Yadav, M. K. (2026). Molecular mechanistic investigation of natural compounds as potential aromatase inhibitors: An in silico and in vitro study. (Under Review)

- Chaudhary, P. K., Saini, D., Kant, N., Maurya, A., Yadav, M., Tripathi, S., Pandey, A., Praveen, N., **Chaudhary, J. K.** (2026). Stem Cell Function, Regeneration, and Ageing: The Influence of Physical Activity. (Corresponding author). *Stem Cell Reviews and Reports (Springer Nature)* (accepted). (Corresponding author) (**Impact Factor = 5.0**)

- **Chaudhary, J.K.**, Danga, A. K., Kumari, A., Bhardwaj, A., & Rath, P. C. (16 Dec. 2026) Cytokines, Chemokines and Ageing. *Biochemistry and Cell Biology of Ageing: Part VI - Bioscience and Clinical Science*, Editor: J. Robin Harris, Viktor I. Korolchuk. ***eBook ISBN:*** *978-3-032-41594-3. (accepted) Springer Nature Switzerland*

- Saini, D., Chaudhary, P. K., Verma, G. K., **Chaudhary, J. K**., Kumar, R., Saha, S., Roy, P., Goyal, B., Prasad, R., & Mirza-Shariff, A. A. (2026). Molecular mechanistic approach to reveal Decitabine's effect on DNMT gene modulation and its inhibitory role in heavy metal-induced proliferation in urinary bladder cancer cell line. *Under publication* (Corresponding author) Environmental Toxicology - Wiley Online Library. (corresponding author) (**Impact Factor = 3.2**)

- Verma, G. K., Saini, D., Chaudhary, P. K., Saha, S., Kumar, R., Goyal, B., Kumari, A., Mittal, A., Sharma, S. K., **Chaudhary, J. K**., Agrawal, O., Kishore, S., Prasad, R., & Mirza-Shariff, A. A. (2026). Association between heavy metal exposure and epigenetic modifications in patients with urinary bladder cancer. *Gene*, *1011*, 150330. https://doi.org/10.1016/j.gene.2026.150330 (**Impact Factor = 3**)

- Maurya, A., Tripathi, S., **Chaudhary**, **JK**., Yadav, VK. (2026) Shatavari (*Asparagus racemosus*) The Herbal Wonder. *Science Reporter* 63, 24-25. [ISSN (Print): 0036-8512; e-ISSN (Online): 2582-6492] http://nopr.niscpr.res.in/handle/123456789/67368

- Yadav, R., **Chaudhary, J.K**, Bisht, K., Dhamija, P., Chaudhary, P. K., Nath, U. K., & Jain, N. (2025). Multiple myeloma: Insights into underlying mechanisms, advances in diagnostic and therapeutic modalities. *Seminars in oncology*, *52*(5), 152390. https://doi.org/10.1016/j.seminoncol.2025.152390 (**Impact Factor = 6.8**)

- Saini, D., Chaudhary, P. K., Verma, G. K., **Chaudhary, J.K.**, Kumar, R., Saha, S., Roy, P., Goyal, B., Prasad, R., & Mirza-Shariff, A. A. (2025). Molecular mechanistic approach to reveal decitabine's effect on DNMT gene modulation and its inhibitory role in heavy metal-induced proliferation in urinary bladder cancer cell line. *Toxicology in vitro: an international journal published in association with BIBRA*, *108*, 106082.https://doi.org/10.1016/j.tiv.2025.106082 (**Impact Factor =3**)

- **Chaudhary, J.K.**, Danga, A. K., Kumari, A., Bhardwaj, A., & Rath, P. C. (2025). Role of stem cells in ageing and age-related diseases. *Mechanisms of ageing and development*, *225*, 112069. https://doi.org/10.1016/j.mad.2025.112069 (**Impact Factor= 6.5**)

- Saini, D., Chaudhary, P. K., **Chaudhary, J.K.**, Kaur, H., Verma, G. K., Pramanik, S. D., Roy, P., Mirza-Shariff, A. A., & Prasad, R. (2025). Molecular mechanisms of antiproliferative and pro-apoptotic effects of essential oil active constituents in MCF7 and T24 cancer cell lines: in vitro insights and in silico modelling of proapoptotic gene product-compound interactions. *Apoptosis : an international journal on programmed cell death*, *30*(3-4), 805–825. https://doi.org/10.1007/s10495-024-02065-x (**Impact Factor = 9.0**)

- **Chaudhary, J.K.**, Danga, A. K., Kumari, A., Bhardwaj, A., & Rath, P. C. (2025). Role of chemokines in aging and age-related diseases. *Mechanisms of ageing and development*, *223*, 112009. https://doi.org/10.1016/j.mad.2024.112009 (**Impact Factor = 6.5**)

- **Chaudhary, J.K.**, Ahamad, N. & Rath, P.C. (2024) Mesenchymal stem cells (MSCs) from the mouse bone marrow show differential expression of interferon regulatory factors IRF-1 and IRF-2. *Mol Biol Rep (MOLE)* **51**, 97 (2024). PMID: 38194130 https://doi.org/10.1007/s11033-023-09025-9 (**Impact Factor = 2.8**)

- 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***. 2023;2(1):159-169. DOI: ; 10.59118/XLOK1140; ISSN: 2583-5327 (*corresponding author*).

- **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).***
- 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 (***SCOPUS CiteScore 9.222***) ISSN 2347–9825. *(corresponding author)*

- **Chaudhary JK**, Yadav R, Chaudhary PK, Maurya A, Kant N, Rugaie OA, Haokip HR, Yadav D, Roshan R, Prasad R, Chatrath A, Singh D, Jain N, Dhamija P. 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. https://doi.org/10.3390/cells10112949. PMID: 34831172; PMCID: PMC8616290 ***(Impact Factor = 7.70)***

- **Chaudhary JK**, Yadav R, Chaudhary PK, Maurya A, Roshan R, Azam F, Mehta J, Handu S, Prasad R, Jain N, Pandey AK, Dhamija P. Host Cell and SARS-CoV-2-Associated Molecular Structures and Factors as Potential Therapeutic Targets. ***Cells***. 2021; 10(9):2427. https://doi.org/10.3390/cells10092427. PMID: 34572076; PMCID: PMC 8467010 ***(Impact Factor = 7.70)***

- Yadav R, Hasan S, Mahato S, Celik I, Mary YS, Kumar A, Dhamija P, Sharma A, Choudhary N, Chaudhary PK, Kushwaha AS, **Chaudhary JK** 2021. Molecular docking, DFT analysis, and dynamics simulation of natural bioactive compounds targeting ACE2 and TMPRSS2 dual binding sites of spike protein of SARS CoV-2. **J Mol Liq**. 2021 Jul 9:342;116942. doi: 10.1016/j.molliq.2021.116942. PMID: 34305216; PMCID: PMC8267125. *ISSN: 0167-7322.* **(*Impact Factor = 6.6*)**

- Yadav R, **Chaudhary J.K**, Jain N, Chaudhary P.K, Khanra S, Dhamija P, Sharma A, Kumar A, Handu S, 2021. Role of Structural and Non-Structural Proteins and Therapeutic Targets of SARS-CoV-2 for COVID-19. ***Cells***, *10*, 821. *(equal authorship). ISSN:* 2073-4409. https://doi.org/10.3390/cells10040821 ***(Impact Factor = 7.70)***.

- **Chaudhary JK** and Rath PC, 2017. Microgrooved-surface topography enhances cellular division and proliferation of mouse bone marrow-derived mesenchymal stem cells**.** ***PLoS ONE***. 12(8): e0182128. (eISSN-1932-6203) https://doi.org/10.1371/journal.pone.0182128 PMID: 28846679; PMCID: PMC5573154 ***(Impact Factor = 4.092)***

- **Chaudhary JK** and Rath PC 2017. A simple method for isolation, propagation, characterization and differentiation of adult mouse bone marrow-derived multipotent mesenchymal stem cells. **J Cell Sci Ther** 8:261. DOI: 10.4172/2157-7013.1000261; ISSN: 2157-7013 (***Impact Factor =1.37***)

- Mishra RR, **Chaudhary JK**, Bajaj GD, Rath PC, 2011. A Novel Human TPIP Splice-Variant (TPIP-C2) mRNA, Expressed in Human and Mouse Tissues, Strongly Inhibits Cell Growth in HeLa Cells. ***PLoS ONE*** 6 (12): e28433. (eISSN-1932-6203). DOI: 10.1371/journal.pone.0028433;PMID: 22164291; PMCID: PMC3229583 ***(Impact Factor = 4.092)***

- Mishra RR, Chaudhary JK and Rath, PC. 2012. Cell Cycle Arrest and Apoptosis by Expression of a Novel TPIP (TPIP-C2) cDNA encoding a C2-Domain in HEK-293 cells. ***Molecular Biology Reports*** (***MBR***) 39; 7389-7402. eISSN: 1573-4978 DOI: 10.1007/s11033-012-1571-6; PMID: 22311048 ***(Impact Factor = 2.506)***.

- **Chaudhary JK**, Rath PC 2017. Stem Cells, Aging, Challenges and the Way Forward. **Ann Pharmacol Pharm**. 2(2): 1017. ISSN 2573-6051. https://www.remedypublications.com/open-access/stem-cells-aging-challenges-and-the-way-forward-920.pdf ***(Impact Factor = 0.710)***

- **Chaudhary JK** 2017 Digital distraction in educational institutions and workplaces: challenges and the way forward *Shivraj: Shivaji College's Annual Magazine*; 7 April 2017; page 9-10.
- **Chaudhary JK** 2017. Integrating quantitative approach in classroom study to develop better understanding about biological concepts, processes and phenomena. **Research and Review: Journal of zoological sciences**. Vol 5, Issue 1, pp 70-72. (UGC S.N. 42580) https://www.rroij.com/open-access/integrating-quantitative-approach-in-class-room-study-to-developbetter-understanding-about-biological-concepts-processes-andphenom-.pdf
  (e-ISSN: 2321-6190 p-ISSN: 2347-2294)
- **Chaudhary JK** 2016. Critical analysis of multidimensional health and non-health issues and challenges faced by women in India: putting the best foot forward. International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016). *Conference Proceedings*: vol 2, pages 191-195, January 2016; https://www.researchgate.net/publication/353324833_Critical_analysis_of_Multidimensional_Health_and_Nonhealth_Issues_and_Challenges_Faced_by_Women_in_India_Putting_the_Best_Foot_Forward. ISBN: 978-93-85822-10-0.
- Chaudhary Pankaj Kumar, Mishra Kamlesh Kumar, **Chaudhary JK** 2016. Stem Cells: Spatio-temporal Diversity and Therapeutic Applications. *International Journal of Life Sciences*, 2016; 4(1), 151-158; ISSN: 2320-7817. (***SJIF Impact Factor 2018: 6.713***) (UGC S.N. 48951) (4 pages)

- **Chaudhary JK** 2016. Crucial issues concerning India's academic and educational institutions: challenges and way forward. *Shivraj: Shivaji College's Annual Magazine*; 7 April 2016; pages 1-5.
- **Chaudhary PK** and Chaudhary JK 2016. Generation of Induced Pluripotent Stem Cells (iPSCs) through Cellular Reprogramming. *International Journal of Life Sciences.* 2016; 4(2), 289-292; ISSN: 2320-7817. (***SJIF Impact Factor 2018: 6.713***) https://oaji.net/articles/2016/736-1471178483.pdf (UGC S.N. 48951) (5 pages)

- **Chaudhary JK** and Rath PC 2016 (Abstract). Role of Stem Cells in Geriatrics. Journal of the *Indian Academy of Geriatrics* (Conference Issue). Page 94, Vol.12, No.3, Sept 2016; ISSN 0974-3405.
- **Chaudhary JK** 2015. Harnessing stem cell potential for regenerative medicine and cell-based therapy. *Journal of Studies in Dynamics and Change* (JSDC): vol 2, issue-1, page 339-343, January 2015; ISSN: 2348-7038. https://econpapers.repec.org/article/sdcjournl/v_3a2_3ay_3a2014_3ai_3a1_3ap_3a339-343.htm OR https://jsdconline.com/journal/jsdc/index.php/home/article/view/59/33
- **Jitendra K. Chaudhary** and Pramod C. Rath 2014. Stem Cells and Regenerative Medicine: Mesenchymal Stem Cells from the Bone Marrow. *Proceedings of the National Symposium on Frontiers in Modern Biology*. Page 13-14. March 24 - 25, 2014 Department of Zoology, School of Biological Sciences, Dr. H. S. Gour Central University, Sagar (MP) (Proceeding/Abstract).
- **Chaudhary JK** 2014. Ph.D. and Research: Treading a difficult path. *Journal of Studies in Dynamics and Change* (JSDC): vol-1, issue-5, page 221-223, November 2014; ISSN: 2348-7038.
- **Chaudhary JK** and Rath PC. 2014. Stem Cells and Regenerative Medicine: Mesenchymal Stem Cells from the Bone Marrow. In: Proceedings of the National Symposium on Frontiers in Modern Biology (March 24 - 25, 2014). The Indian Science Congress Association - Sagar Chapter; Page 13-14 (*Proceedings)*
- **Chaudhary JK** and Rath PC. 2013. Mesenchymal stem cells and regenerative medicine. *Stem cells and reproductive health* (***ISSRF** Newsletter)*, September 2013; Issue 13; pp 14-15; ISSN 2395-2806 *(National Publication).*
- **Chaudhary JK** 2013. Research scenario: crucial issues and challenges from a researcher's perspective, *Society of Biological Chemist (**SBC**) Newsletter*. Vol. 103, Page 7; July 2013. (*National publication*).
- **Chaudhary JK** and Rath PC 2013. Stem cells: promising therapeutic avenues for neurodegenerative diseases. ***BHU-IBRO*** (Conference/workshop proceeding/Abstract book); page 7-11; 19-23 Oct. 2013.
- **Chaudhary JK** 2012. Experience at the 10th Annual Meeting of International Society for Stem Cell Research (ISSCR), Pacifico Yokohama, Japan. **Achievers league**, USA. Enriching Scientific Minds. *Newsletter,* Volume 1; Issue 1; pp 2-3: Fall-2012 *(International Publication).*

[B] Chapters in Books

- **Chaudhary JK** and Maurya Anurag (2024). Book Chapter on "Electron Transport Chain and Oxidative Phosphorylation". *Springer nature.*
- **Chaudhary JK** and Maurya Anurag (2024). Book chapter on "The Citric Acid Cycle". *Springer nature*.
- **Chaudhary JK** and Maurya Anurag (2024). Book chapter on "The photosynthesis". *Springer nature*.
- Kant N and **Chaudhary JK** (2024). Probabilistic modeling of sex ratio in human population based on the differential distribution of sex-chromosomes (X and Y). DBT manual book
- **Chaudhary JK** and Rath PC (2020). Stem cells and ageing. Book Title- Models, Molecules and Mechanisms in Biogerontology, ISBN: 78-981-13-3585-3**.** Publisher-*Springer Nature Singapore* (Editor-Pramod C. Rath). pp-213-234. https://doi.org/10.1007/978-981-32-9005-1_12
- **Chaudhary JK** and Rath PC (2014)**.** Geriatrics and stem cell research; Invited book chapter *(National Publication)* in **"***Text Book of Geriatric Medicine***"** published by Indian Academy of Geriatrics (National Publication: Paras Medical Publisher, New Delhi): Chapter 155, page778-785. Ist Edition, *Editor-in-Chief*-**Pratap Sanchetee**, DM. ISBN: 978-81-8191. http://indianacademyofgeriatrics.org/publications/

[C] Books published

- National question book for Life Sciences; 2022; Prestige Publisher, New Delhi (ISBN:978-81-949428-9-4); Authors: Chaudhary JK, Chaudhary PK, Maurya A. Published: July 2022
- Practical Immunology (Under Publication)
- Biochemical calculations (Under publication)

[D] Journal Reviewer/Convenor

- Convenor: *Insights- Scientific Magazine*, published by Dept. of Zoology, Shivaji College
- Journal of Applied Biology & Biotechnology (JABB) (ISSN: 2455-7005)
- Microbiological Research (ISSN: 0944-5013): Elsevier

Conference/Seminar/Faculty Development Programme/Workshop

[A] Scientific Presentation (Lecture delivered)

- Attended "*two week interdisciplinary (online) faculty development programme (FDP) on NEP orientation and sensitization*" from February 16-29, 2024.
- Chaudhary JK (2020); Invited Online lecture entitled "Structural and molecular details of SARS-CoV-2: Cellular replication, aetiology, diagnosis and prospective treatment" during internship program for research in academics, on 7th July 2020 at Sri Venkateshwara College, DU.
- Nikhil, Sana Wahid, Chanchal, Dr. Jitender Kumar Chaudhary (2019). "Phage therapy: latest and effective makeover" National Seminar On "Recent Trends in Biological Research and Career Prospects" organized by Department of Zoology, Shivaji College under aegis of DBT Star college Scheme on 27/09/ 2019.
- Nikhil, Sana Wahid, Chanchal, Dr. Jitender Kumar Chaudhary (2019). "Therapeutic applications of rudraksh (elaeocarpus ganitrus)" National Seminar On "Recent Trends in Biological Research and Career Prospects" organized by Department of Zoology, Shivaji College under aegis of DBT Star college Scheme on 27/09/ 2019.

- Jitendra K. Chaudhary, Naseem Ahamad, and Pramod C. Rath (2017). Aging and Stem Cell Research.
- Chaudhary J.K. and Rath P.C. (9-11 November 2016) "Role of Stem Cells in Geriatrics" during "Indian Aging Congress" held (9 Nov-11 Nov. 2016) at AIIMS, New Delhi.
- Chaudhary J.K. and Rath P.C. (October 2013) "Stem Cells and Regenerative Medicine: Mesenchymal Stem Cells from the Bone Marrow" March 24-25, 2014 in National Symposium on Frontiers in Modern Biology organised by Dept. Of Zoology, School of Life Sciences, Dr. Hari Singh Gaur University, Sagar, M.P. India.
- Chaudhary J.K. and Rath P.C. (October 2013) "Stem cells: promising therapeutic avenues for neurodegenerative diseases" from October 19- 23, 2013 (International brain research organization), Emerging Trends in Neuroscience: Molecular and Cellular Approaches at BHU.
- Chaudhary J.K. and Rath P.C. (July 2013). "Stem cell research and ethical concern" in "National Convention of Ethical Research and Concern on Human Subject" on July 30-31, 2013 at Convention Centre, Jawaharlal Nehru University, New Delhi, India.
- Chaudhary J.K. and Rath P.C. (15-16 Feb, 2013). "Isolation, culture and characterization of bone marrow-derived mesenchymal stem cells and their role in promoting bone marrow regeneration in radiation-induced bone marrow-damage mouse model" in Biospark-2013 at School of Life Sciences, Jawaharlal Nehru University-Delhi, India.
- Chaudhary J.K. and Rath P.C. (2012). "Bone marrow mesenchymal stem cells: culture, differentiation and gene expression" in the National Workshop on Stem Cell Research and Therapeutics: Current Status and future strategies (as Young Investigator), organized by the Indian Society for the Study of reproduction and Fertility held on 28-29 Sept. 2012 at IVRI, Izatnagar, India.

[B] Conference attended/Poster presentation

- Attended two-day National Seminar on Artificial Intelligence in Biological Sciences, convened by Bionomie from February 27 to 28, 2024 at ARSD, DU, Delhi. Also during this, Our students of the minor research project presented poster titled "Assessment of NIH's clinical trials repository with respect to stem cell therapeutic potential for treating hematological disorders".

- Attended International conference on *Resurgent Bharat on the Global canvas*, organized by Shaikshik Foundation in collaboration with NCPSL and Shivaji College, DU from 25-26 February 2024 at Dr. BhimRao Ambedkar International Centre (DAIC), New Delhi.

- Attended VISTAS IN LIFE SCIENCES 2024, An International Conference on Frontiers of Life Sciences-From Molecules, Organisms and Diseases, 21-24 January, 2024. An International Conference Celebrating the Golden Jubilee of the School of Life Sciences, JNU.

- Nimita Kant, Jitendra Chaudhary, Akansha, Priya Roy, Priya Talwar, Lakshay Bhardwaj, Supriya Bhardwaj (2023). Evaluating stem cell therapeutic potential for hematological disorders based on analysis of NIH's clinical trials repository. International conference hosted by Cell Press and Beijing Municipal Science and Technology Commission, Administrative Commission of Zhongguancun Science Park. "Cellular and gene therapy: Promises and challenges", on December 07, 2023. (*Poster presentation online; International conference*)

- Chaudhary JK (2016). "Regenerative potential of bone marrow and bone marrow-derived mesenchymal stem cells in a radiation-induced bone marrow-damage animal model". International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016) held at Daulat Ram College (organized by Daulat Ram College, DU and Krishi Sanskriti, New Delhi) University of Delhi, New Delhi, India, on 15th and 16th January 2016 (*Poster presentation; International conference*). (ISBN:978-93-85822-11-7)

- Chaudhary JK and Rath PC (2013). "Isolation, propagation, characterization of the mesenchymal stem cells (MSCs) from the bone marrow of mouse and their potential in bone marrow regeneration" during SCIENCE FESTIVAL (National Science Day) on 28th Feb 2013 in JNU auditorium complex with the support of DST-PURSE grant. (*Poster presentation; National conference*)

- Chaudhary JK and Rath PC (2013). "Isolation, culture and characterization of bone marrow-derived mesenchymal stem cells and their potential to regenerate bone marrow in a radiation-induced bone marrow-damage mouse model" in National Conference on emerging trends and challenges in Basic and translational research in Biochemistry, February 4-5, 2013 at Department of Zoology, Banaras Hindu University, Varanasi, India. (*Poster presentation; National conference*)

- Chaudhary JK and Rath PC (2013). "Biology and application of mesenchymal stem cells from bone marrow" in national conference on emerging trends and challenges in basic and translational research in biochemistry, February 4-5, 2013 at Department of Zoology, Banaras Hindu University, Varanasi, India. (*Oral talk; National conference)*
- Chaudhary JK and Rath PC (2012). "Expression and localization analysis of Interferon Regulatory Factors (IRFs)-1 and 2 in mouse bone marrow-derived multipotent mesenchymal stem cells" in "3rd International Conference on Stem Cells and Cancer (ICSCC-2012): Proliferation, Differentiation, and Apoptosis"; 27-30 October 2012 at PGIMER Auditorium, Dr. Ram Manohar Lohia Hospital, New Delhi, India. *(Poster; International Conference).*
- Kakar R, Chaudhary JK, Kakar P, Smith E and Walia V (2012). "Interactive Online Tool to Enhance Scientific Writing Skills" in "3rd International Conference on Stem Cells and Cancer (ICSCC-2012): Proliferation, Differentiation, and Apoptosis"; 27-30 October 2012 at PGIMER Auditorium, Dr. Ram Manohar Lohia Hospital, New Delhi, India. *(Poster; International Conference).*
- Chaudhary JK and Rath P.C. (2012). "Bone marrow mesenchymal stem cells: culture, differentiation and gene expression" in the National Workshop on Stem Cell Research and Therapeutics: Current status and future strategies (as Young Investigator); 28-29 Sept. 2012 at IVRI, Izatnagar, India. *(Oral/Podium talk; National Conference).*
- Chaudhary JK and Rath P.C. (2012). "A modified method for isolation and propagation of mouse bone marrow-derived mesenchymal stem cells" in 10th Annual Meeting of International Society for Stem Cell Research (ISSCR), 13 to 16 June 2012 at Pacifico Yokohama, Yokohama, Japan. *(Poster; International Conference).*
- Chaudhary JK and Rath, PC. (2010) 'Isolation, culture, propagation, characterization and differentiation of bone marrow derived multipotent mesenchymal stem cells (MSCs) from mouse', "International Conference on Stem Cells and Cancer (ICSCC)", 11 to 14 December 2010 at International Institute of Information Technology (I^2IT), Pune, India. *(Poster; International Conference).*

[C] Workshops and orientation program

- Workshop: Electron Microscopy (SEM and TEM and their modified versions) and its applications at Advanced Instrumentation Research Facility (AIRF), Jawaharlal Nehru University, New Delhi held on 28-29 February 2012, India.
- Attended Orientation program on Ethics in research on human subjects organized by Institutional Ethics Review Board-Jawaharlal Nehru University (IERB-JNU) on 18th February 2012, at SLL & CS, Jawaharlal Nehru University (JNU), New Delhi, India.
- Attended in the 'International Symposium on Molecular Pathology' held on January 28 to 29, 2012 at Manekshaw Centre, New Delhi, India.
- Attended Abcam seminar covering introduction to ChIP optimization techniques for Immunoprecipitation and Optimization techniques for Immunohistochemistry, held on 16 Nov 2011, at School of Life Sciences (SLS), Jawaharlal Nehru University (JNU), New Delhi, India.
- Workshop: Basic wet laboratory training on FACScalibur and its applications in cell immunophenotyping, cell cycle analysis, intracellular protein localization and analysis and other biological research fields from 10th to 12th March, 2008 at BD Biosciences Flow Cytometry Training Centre, Gurgaon, Haryana, India.
- Attended/participated in the symposium on Molecular Approaches in Cytogenetics, held under the auspices of the Department of Zoology, University of Allahabad from October 20-22, 2005, India.

[D] WEBINAR/Online Workshops/ Certificate Courses

- Nature Masterclasses's online course on "Focus on Peer Review" Springer Nature, 10th April 2022. (https://masterclasses.nature.com/online-course-on-peer-review/16507836)
- Organized 3rd NBRCOM as coordinator from 6-10 December 2021, AIIMS Rishikesh
- Attended an International conference/webinar on "*Infections and Immunity*" held from 8th-10th October 2021 by the Department of Zoology, Daulat Ram College, University of Delhi.
- Attended "*Online Workshop on CRISPR-Mediated Plant Genome Editing*" organized by the Department of Botany, Shivaji College, University of Delhi, and The Global Plant Council, in collaboration with ICAR-National Rice Research Institute, Cuttack and SGT University, Gurgaon, under the aegis of DBT Star College Scheme from September 27 to October 1, 2021.
- Attended/participated in a webinar entitled, "Genetically Engineered Vaccines: From Clone to Clinical Trials" on 16 August 2021, Organized by the Department of Zoology, Shivaji College under the aegis of DBT Star College Scheme.
- **Resource Person** for "Tools and Techniques in Biological Research" held from 28th June-11th July 2022 by the Department of Zoology, Shivaji College under the aegis of DBT Star College Scheme, wherein I delivered a lecture on "descriptive statistics and data representation" on 8th and 11 July 2022.
- **Resource Person** for Online Summer Training Internship on "Current Diagnostics and Therapeutic Modalities for COVID-19" held from 28th June 2021-10th July 2021 by the Department of Zoology, Shivaji College under the aegis of DBT Star College Scheme, wherein I delivered 3 lectures whose titles, time and date of delivery are mentioned below;
  - *Genomic databases for COVID-19 and their implications* (10-12, 26/06/2021)
  - *Monoclonal antibody and nanobody as therapeutic molecules for COVID-19* (10-11:30 am, 03/07/2021)
  - *Mesenchymal Stem Cells (MSCs) therapy for COVID-19 (10-12, 08/07/2021)*
- Attended/participated in a webinar entitled, "COVID-19: Impact on Environment-Myth or Reality" on 14th July 2020, Organized by the Department of Zoology, SMMT PG College, Ballia, UP.

- Attended/participated in a webinar entitled, "Importance of IPR in Pandemic Situation: Special Focus on Expedite Patent Processing" on 11th July 2020, Organized by the Department of Zoology, Shivaji College under the aegis of DBT Star College Scheme.
- Attended webinar entitled, "Epidemiology, Detection, Treatment and Comparative Genomics of SARS-CoV-2 and Managing Personal and Professional Life During COVID-19 Pandemic and Lockdown" on 9th July 2020, Organized by Department of Zoology, Shivaji College under the aegis of DBT Star College Scheme.
- Attended International Webinar on 'Surviving the Pandemic Crisis: Stress and Lifestyle Management' organised by NSS Unit, Shivaji College, University of Delhi held on June 27, 2020.
- **Resource Person** for Module first (15 June 2020-19) and delivered talk on various aspects of "Biology of COVID-19" as a part of Online Summer Training Internship on "COVID-19: Epidemiology and Impacts" held from 15th June 2020-25th July 2020 by Department of Zoology, Shivaji College under the aegis of DBT Star College Scheme.
- Attended webinar on "Covid-19: Challenges and road ahead" organised by Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi from 7th to 9th May 2020 (3 pm) (SN. SW08034).
- Attended in National Webinar on "Cyber Crime, Law and Security" organized by NSS Unit, Shivaji College, University of Delhi held on May 12, 2020.
- Participated in the webinar on the "Zebrafish Model System" organized by the Department of Biochemistry, Shivaji College, University of Delhi under the aegis of DBT sponsored Star College Scheme held on May 8, 2020.

[E] Short-duration courses/Diplomas

- Successfully completed A Special Intensive Course "English for Academic Writing: From Synopsis to Thesis Writing", held from May 27th to June 14th, 2013 (3 weeks duration) at Linguistic Empowerment Cell, Jawaharlal Nehru University (JNU), New Delhi. This workshop was sponsored by the Ministry of Human and Resource Development (MHRD), Government of India.
- Successfully completed a four-month duration-University Grant Commission-sponsored linguistic course on English communication, Writing, and soft skill development at Jawaharlal Nehru University (JNU), New Delhi.
- Successfully completed (Score 98.58%, A^+ (1183/1200) two months duration "Advanced International Scientific Writing, Course/Workshop, Summer-2012" organized by Achievers League, USA (summer 2012, June 19 to 26th August 2012).
- Successfully completed Capacity Building Programme for the students of the Jawaharlal Nehru University (Training/Workshop duration 29th March to 10th May 2012), sponsored by University Grant Commission (UGC) on Research and Data analysis (methodology, Experimental designing and writing project report and applications of various statistical tools, including SPSS, Sigma, Microsoft XL to analyze various kind of data) imparted by Sambodhi Research and Management Institute at Centre for Study of Law and Governance (CSLG), Jawaharlal Nehru University, India.

[F] Symposia/conference organized/Hands-on-training

- Organised a seminar titled, "Breast Cancer Awareness and Early Detection" on February 29, 2024, at the Department of Zoology, Shivaji College, DU.
- Worked as an organizing member for a one-day talk on *Stem Cells and Regenerative medicine* held on 29 September 2023, Department of Zoology, Shivaji College, DU.

- Served as an organizing member for AZURA: The Life Sciences Fest, organized on 18th April 2023, by the Department of Life Sciences, Shivaji College, DU.
- Faculty Coordinator (SPOC) from **Shivaji College, University of Delhi,** providing support and guiding force during the 3-month-long (Feb.2023-April 2023) **Blue Nudge - DRIIV - DEEPC fellowship. (**Certificate No:- **23-24/BPES/BN/FC/017;** issued on 18th July 2023**)**
- Worked as **co-convener**/**Resource person** in **a** summer training program on 'Assessment of physical and mental wellness: clinical relevance and remedial measures' under the DBT STAR College scheme, held from June 27 through July 7, 2023, at the Department of Zoology, Shivaji College, DU. Title of module: *Measurement of depression & anxiety using Hamilton rating scale.*
- Organizing committee member: AZURA, The Life Sciences Festival, organized on *18th April 2023,* Department of Life Sciences, Shivaji College, DU.
- Successfully completed a two-day Faculty training program entitled hands-on techniques in developmental biology from 1st to 2nd April 2022, organized under the aegis of IQAC and DBT Star College Scheme by the Department of Zoology, Shivaji College, University of Delhi.
- **Resource person** and served as the **co-convener** in the faculty improvement program titled, **"***Digitilization of laboratories and library data*" held on 21st June 2022, organized by the department of zoology, shivaji college, University of Delhi.
- **Resource person** in the Inter-College Laboratory Skill Training Program for Assistants/ Attendants in the Chemical and Life Sciences laboratories, organized by Shivaji College, DU, under the aegis of DBT Star College Scheme, April 19-25, 2022.
- **Coordinator in organizing the** "wild-life week" from 25th February to 3rd March 2022 under the aegis of OYSTER, The zoological society of Shivaji college.
- **Resource person** in the Inter-College Laboratory Skill Training Program for Assistants/ Attendants in the Chemical and Life Sciences laboratories, organized by Shivaji College, DU, under the aegis of DBT Star College Scheme, Sep 14-20, 2021.

- Organized "Meet the Speaker" seminar at the School of Life Sciences in 2011-2012.

- Worked as a volunteer in organizing several symposiums and seminars at JNU, New Delhi from 2008-2013.
- Worked as a **Resource person** and conducted hand-on-training on UV spectrophotometer-based DNA-Protein estimation to Students during Science Camp sponsored by DST-INSPIRE Workshop organized from 19-23 December 2015 at Shivaji College, University of Delhi.
- Worked as a **resource person** during the organization of "workshop for laboratory staff in chemical and life sciences", 31st May-3 June 2016 at Shivaji College, DU.
- Worked as a **resource person** during the organization of "Interdisciplinary workshops for science faculty", on 25 Sept. and 1st Oct. 2016 at Shivaji College, DU.
- Worked as a **Resource person** and conducted hand-on-training on the Measurement of Blood Pressure with Sphygmomanometer to Students during the 2nd Inspire Science Camp sponsored by DST-INSPIRE, organized from 14-18 December 2016 at Shivaji College, University of Delhi.
- Worked as a **Resource person** and conducted hand-on-training on ABO/Rh blood profiling to students during the 3rd Inspire Science Camp sponsored by DST-INSPIRE, organized from 16-20 July 2018 at Shivaji College, University of Delhi.
- Worked as a **resource person** (Talk on the Concept of solution: Percentage, Molarity, Molality, Normality, dilution, pH, and Buffer) in a Lab skill training program conducted for non-teaching staff of the Biochemistry, Botany, Chemistry, and Zoology Department under

the DBT sponsored STAR COLLEGE SCHEME conducted on 22 May 2019 at Shivaji College, DU.

- Worked as an organizing member in the "National Seminar on Recent Trends in Biological Research and Career Prospects" held on 27th September 2019 at Shivaji College, University of Delhi.
- Worked as an organizing member in Inter College Laboratory Skill Training Programme for Assistant/Attendants in Chemical and Life Science Laboratories organized by Shivaji College, University of Delhi from 27th November-3rd December 2019.
- Worked as **Resource person** for "*Buffer preparation and applications*" in Inter College Laboratory Skill Training Programme for Assistant/ Attendants in Chemical and Life Science Laboratories organized by Shivaji College, University of Delhi from 27th November-3rd December 2019.
- Worked as a **Resource person** for "*Concept and Applications of serial dilution in Life Sciences Laboratory*" Intra College Laboratory Skill Training Programme for Assistants/Attendants in the Chemical and Life Science Laboratories (11th August 2021-17th August 2021) held under the ageis of DBT-STAR college Scheme.

[G] Specific Skills/ Expertise

- Stem Cells and Mammalian Cells: Isolation, culture, characterization and differentiation (Osteocytes identified by Alkaline Phosphatase, Adipocytes identified by oil red-O, Chondrocytes identified by Saffranin-O, Neurons identified by Nissil staining etc., *in vitro*) of mouse bone marrow-derived mesenchymal stem cells (MSCs), isolation and culture of spleen cells from rat, mouse etc. Isolation and culture of hippocampal and cortical neurons from rat brain, Culture and experiment on cell lines like HEK-293, HeLa, (transfection, apoptosis and proliferation assay on FACS by labeling them with FITC-Annexin V + PI/or PI, Caspase 3, Brdu, TUNEL, Cyclin B1, PCNA, Ki67, ELISA, MTT Assay for cell viability, growth, proliferation etc. in HEK-293, HeLa, Bone marrow cells, bone marrow-derived Mesenchymal Stem Cells (MSCs) etc. Colony forming Unit-Fibroblast (CFU-Fs) assay following crystal violet and giemsa staining to enumerate the number of stem cells in total population and colony formations as well as the effect or γ-radiation on colony forming potential of stem cells at large.
- Microscopy techniques: Bright/Phase light microscopies, ocular micrometre-based size measurement, Differential interference contrast (DIC), Stereomicroscopy, Immunofluorescence & Confocal/Live cell imaging, Electron Microscopy (SEM & TEM).
- Microbiology and Bacterial Cell Culture: Have experience in culturing bacterial cells, growth kinetic assay, White-blue colony selection on agar plate, expression of recombinant proteins in different bacterial strains as functions of time, temperature and stimuli, etc.
- Animal Breeding: Five years working experience in animal breeding, handling and maintenance of record/pedigree, at animal house, Jawaharlal Nehru University, new Delhi.
- Molecular Biology: Plasmid and genomic DNA isolation, RNA isolation from different types of cells and tissues, Quantitation of RNA, DNA and protein (Spectrophotometry based analysis), Plasmid retrieval and Plasmid verification, cDNA preparation, primer designing and PCR amplification, Restriction digestion, DNA gel extraction, Protein and DNA ladder/marker preparation, protein induction and expression in bacterial cells (XL-1 and BL21), Quantization by Bradford's method, SDS-PAGE, Western blotting (ECL and DAB), CBB and silver staining, Affinity purifications of proteins, protein-protein interaction study by GST-Pull down assay, MALDI-TOF and LC-MS/MS, protein localization/co-localization study in mammalian cells by immunofluorescence, confocal and live cell imaging microscopy, FACS analysis of cells regarding intracellular and membrane bound proteins, cell cycle

analysis, cell proliferation and viability assay, karyotype preparation and analysis, Microtomy and Histology.

- Animal Perfusion and dissection: Experience in animal perfusion (intra-cardiac perfusion), dissection of various tissues and organs for experimental purposes.
- Development of Animal Model: Generation and characterization of whole body irradiation-based animal model (mouse) and study with special emphasis on bone marrow and bone marrow-derived stromal cells/ stem cells. Measurement of absorbed gamma radiation dose by Fricke Dosiometry.
- Animal Transplantation experiment: Transplantation of Bone marrow Cells (BMCs) and bone marrow-derived mesenchymal stem cells (BMMSCs) in radiation based C75BL6/J mouse model. Mice were exposed (whole body exposure) to Co^{60} based γ-radiation, followed by apoptosis and cell cycle perturbation studies by PI Staining and FACS. Nuclear disorganisation, disintegration and micro-nuclei formation were observed under fluorescence microscope following Hoechst staining. I have also performed double dye staining; AO/EtBr (Acridine Orange and Ethidium Bromide) to discriminate among live, necrotic and apoptotic cells. To assess the regeneration capability of BMCs and MSCs, Colony formation assay (CFU) was carried out following one and two weeks post transplantation of BMCs and BMMSCs.
- Software Skills: Working knowledge of MS-Office (Word, PowerPoint and Excel), Microsoft Office picture Manager, AlPha Imager, Adobe Photoshop, Microscopy related software which facilitate analysis of cell size, number and related physical parameters etc., Cell Quest, FACS-DIVA, ModFit (cell cycle analysis) for Flow Cytometry and basic data mining in bioinformatics tools (BLAST, Primer designing and post-design accuracy analysis, gene runner, phylip and other biological sciences related tools). Endnote software for referencing and indexing scientific documents apart from associated applications and retrieval of scientific information available online Working knowledge of Turnitin software tool to check the originality of written scientific and non-scientific documents. Canvas, ChemDraw, Mathematical Typing, Zoom, Google Meet, Making Google From for various purpose, Autocrat-based certificate generation etc.
- Post-experimental statistical analysis of data. Mean, Median, Mode, Range, Quartile, Percentile, Mean deviation, Standard deviation, Standard error of mean, Variance/CV, Probability; Permutation and Combination, Chi-square, Validation of null hypothesis/Alternate hypothesis, Type I & Type II Error, Normal, Binomial and Poisson Distribution: Skewness & Kurtosis, Z-test (one-tailed & two-tailed), student's T-test (one-tailed & two-tailed), F and ANOVA, and thereby determining the significances/non-significance of the result by calculating P-Value.

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

Dissertation (B.Sc. and M.Sc.) Supervision

- **Ms. Aarti Kumari (Undergraduate/B.Sc. Hons. Fourth Year):** An Insight into the Current Status of Stem Cell Therapy for Diabetes Mellitus (2025-2026)

Awards and Distinctions

- **Young Investigator Award** for best scientific research presentation entitled "Bone marrow mesenchymal stem cells: culture, differentiation and gene expression" in the "National Workshop on Stem Cell Research and Therapeutics: Current Status and Future Strategies" held from 28th -29th September, 2012 at Indian Veterinary Research Institute (IVRI), Izatnagar, under the aegis of Indian Society for the Study of Reproduction and Fertility (ISSRF).
- **Ranked 1st Position** (A+; 1183/1200; 98.58%) in "Advanced International Scientific Writing Course-2012" conducted by Achievers League, USA.
- Travel grant from DST-SERB (SR/ITS/0861/2012-2013) to present poster 10th Annual ISSCR Meeting at Pacifico Yokohama, Japan during June 13- 16, 2012.
- ICMR-SRF September 2010- August 2012
- ICMR-JRF August 2007-August 2010
- **Third Position** in M.Sc. Zoology Department, University of Allahabad-2006.
- **First Prize-** Annual Sports day 2015 at Shivaji College, University of Delhi
- **Second Best Poster Prize** during **International Conference** for presentation entitled **"**Regenerative potential of bone marrow and bone marrow-derived mesenchymal stem cells in a radiation-induced bone marrow-damage animal model". International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness (Public Health: 2016) held at Daulat Ram College, University of Delhi, New Delhi, India, on 15th and 16th January, 2016 (ISBN:978-93-85822-11-7)
- **Best Poster Presentation/ First Position** during National Seminar On "Recent Trends in Biological Research and Career Prospects" organized by Department of Zoology, Shivaji College under aegis of DBT Star college Scheme on 27/09/ 2019 for presentation entitled - Phage therapy: latest and effective makeover.

Memberships

- Associate member (young investigator) of International Society for Stem Cell Research (ISSCR, Member ID 30605) (Since February 2012)
- Student member of Molecular Pathology Association of India (MPAI) (Student Member MPAI/SM-0005)
- Life member of Society of Biological Chemists (SBC), India. (Life Membership no. 2716)
- Life member of The Cytometry Society-India (Life Membership no. L-1157)
- Delhi State President, The Society of Young Biomedical Scientists (SYBS) (www.sybsindia.org)

Other Academic Activities

DBT-STAR College practicals:

➢ Modelling DNA using ball and stick.

➢ Effect of differential distribution of sex chromosome on gender ratio.

➢ Conducting training programmes for students, lab and teaching staff from time to time

Cultural/Extracurricular Activities

- Academic Tour to Sultanpur National Park & The Energy Research Institute-2014.
- Academic tour to Delhi Zoo-2013-2014.
- Student Visit to IGIB, New Delhi (2016-2017).
- Student Visit to RGB, Gurugram Delhi (2016-2017).
- Student visit to Department of anthropology, DU on 6th April 2017.
- Student visit to Okhla Bird Sanctuary, Delhi, on 8th October 2021.
- Student visit to Department of Geology, DU on April 2023

Reference:
Prof. Pramod C. Rath
Molecular Biology Lab-402/433
School of Life Sciences.
Jawaharlal Nehru University
New Delhi- 110067
INDIA



Dr. Jitendra Kumar Chaudhary; Ph.D.
Signature of Faculty Member