



Faculty Details Proforma

Title	Dr.	First Name	Anna	Last Name	Senrung	Address
Designation		Associate Professor				
Phone No. Office		-				
Residence		-				
Mobile No.		-				
Email – ID		annasenrung@dr.du.ac.in , annasenrung@gmail.com				
Web Page		-				
Educational Qualification						
Degree		Institution				Year
Ph.D. Zoology		Department of Zoology, University of Delhi				2023
M.Phil. Zoology		Department of Zoology, University of Delhi				2011
M.Sc. (Hons) Zoology		Department of Zoology, University of Delhi				2004
B.Sc. (Hons) Zoology		Kirori mal College, University of Delhi				2001
10+2		Manipur board				1998
Career Profile						
2015 onwards		Daulat Ram College on a permanent basis				
2014-2015		Daulat Ram College on an ad-hoc basis				
2012-2013		Miranda House College on an ad-hoc basis				
2010		Miranda House College on an ad-hoc basis				
Administrative Assignments						
1. Serving as a member of the Hostel Committee for the 2024-2027 academic year. 2. Serving as a member of the Northeast cell for the 2026-2027 academic year. 3. Served as a member of the DHARA Eco Club for the 2024-2025 academic year. 4. Served as a member of the Student Amenities Committee for the 2023-2026 academic year. 5. Served as a member of the Admission Helpdesk for the 2023-2024 academic year. 6. Discipline Committee member (Zoo. Dept. representative) for the 2018-2019 academic year. 7. Library Committee member (Zoo. Dept. representative) for the 2018-2019 academic year. 8. In charge of the Zoology Departmental Library for the 2018-2019 academic year. 9. Served as Co-convenor of the Zoological Society for the 2017-2018 academic year. 10. Served as a member of the Hostel Admission Committee for the 2017-2018 academic year. 11. Served as Nodal Officer for North East Cell DRC, 2016-2018 academic year. 12. Served as a member of the Admission Core Committee for the 2016-2017 academic year. 13. Screening Committee member for Asst. Prof. (English, Sanskrit, & Commerce at DRC).						
Areas of Interest / Specialization						
Tumor angiogenesis, Dietary cancer incidences, Nanotechnology, Insect Pest management.						
Subjects Taught						
Diversity of Animals, Animal Physiology, Apiculture, Developmental biology, Ecology, Evolutionary Biology.						
Research Guidance						

***In silico* Drug Screening/Discovery (Co-mentor) (3)**

1. **Nidhi Bharadwaj**, B.Sc. (H) Zoology, DRC, University of Delhi. “*In Silico* analysis of phytochemicals from *Calotropis gigantea* for potential therapeutic use against gastric cancer”, since 2024.
2. **Hangsika Sharma**, B.Sc. (H) Zoology, DRC, University of Delhi. “*In Silico* screening of phytochemicals from *Cassia fistula* for potential therapeutic applications against Glioblastoma”, since 2024.
3. **Shreya Pandey**, B.Sc. (H) Zoology, DRC, University of Delhi. “*In Silico* screening of phytochemicals from *Zingiber officinale* for potential therapeutic applications against HPV-induced cervical cancer”, since 2024.

Publications Profile

Publications – Full length articles - 27; e-Chapters - 2; Book edited – 3; E-Content for UG & PG Course – 6.

Research Publications:

1. Tripathi T, Joshi U, Chaudhary A, Janjua D, Kumar S, Tanwar N, Mittal A, **Senrung A**, Bharti AC. Morusin Attenuates Cancer Stemness and Modulates CSC-driven Macrophage Polarization in Cervical Cancer. *Anticancer Agents Med Chem*. 2026 May 6. PMID: 42136212.
2. Mathur, D., Maikhuri, V. K., Yadav, S., Bhardwaj, N., Pandey, S., Sharma, H., ... & **Senrung, A.** (2025). Integrated cytotoxicity screening and in silico analysis of coumarin nucleoside conjugates as computationally modeled VEGFR-2 inhibitors: oncocyte cytotoxicity, molecular docking, and dynamics simulation studies. *In Silico Pharmacology*, 14(1), 10. Published: 20 December 2025, Volume 14, article number 10, (2026).
3. **Senrung, A.** (2025). In silico screening of potential FGF2 inhibitors for cancer therapy. *In Silico Pharmacology*, 13(3), 194. Published: 26 November 2025, Volume 13, article number 194, (2025).
4. Yadav J, Tripathi T, Chaudhary A, Janjua D, Joshi U, Aggarwal N, Chhokar A, Keshavam CC, **Senrung A**, Bharti AC. Influence of head and neck cancer exosomes on macrophage polarization. *Cytokine*. 2025 Feb. PMID: 39700664. IF: 3.7.
5. **Senrung, A.**; Kumar, D.; Bhardwaj, N.; Sharma, K.; Sharma, H.; Pandey, S.; Thakur, M.; Meena, S.; Mathur, D. Discovery of Novel Bioactive Compounds in Catharanthus Roseus Exhibiting Anti-Angiogenic Activity Against VEGFR-2 TKD for Glioblastoma Tumor Growth Suppression. *Biomed Ther Lett* 2024, 11 (2), 912. <https://doi.org/10.62110/sciencein.btl.2024.v11.912> ISSN No. 2394-2274. Published 2024-09-16.
6. Yadav J, Chaudhary A, Tripathi T, Janjua D, Joshi U, Aggarwal N, Chhokar A, Keshavam CC, **Senrung A**, Bharti AC. Exosomal transcript cargo and functional correlation with HNSCC patients' survival. *BMC Cancer*. 2024 Sep 13;24(1):1144. PMID: 39272022. IF: 3.4.
7. Janjua D, Thakur K, Aggarwal N, Chaudhary A, Yadav J, Chhokar A, Tripathi T, Joshi U, **Senrung A**, Bharti AC. Prognostic and therapeutic potential of STAT3: Opportunities and challenges in targeting HPV-mediated cervical carcinogenesis. *Crit Rev Oncol Hematol*. 2024 May; 197:104346. PMID: 38608913. IF: 5.5.
8. Tripathi T, Yadav J, Janjua D, Chaudhary A, Joshi U, **Senrung A**, Chhokar A, Aggarwal N, Bharti AC. Targeting Cervical Cancer Stem Cells by Phytochemicals. *Curr Med Chem*. 2024;31(32):5222-5254. PMID: 38288813. IF: 3.5.
9. **Senrung A**, Tripathi T, Aggarwal N, Janjua D, Chhokar A, Yadav J, Chaudhary A, Thakur K, Singh T, Bharti AC. Anti-angiogenic Potential of Trans-chalcone in an In Vivo Chick Chorioallantoic Membrane Model: An ATP Antagonist to VEGFR with Predicted Blood-brain Barrier Permeability. *Cardiovasc Hematol Agents Med Chem*. 2024;22(2):187-211. PMID: 37936455. IF: 1.28.
10. **Senrung A**, Tripathi T, Aggarwal N, Janjua D, Yadav J, Chaudhary A, Chhokar A, Joshi U, Bharti AC. Phytochemicals Showing Antiangiogenic Effect in Pre-clinical Models and their Potential as an Alternative to Existing Therapeutics. *Curr Top Med Chem*. 2024;24(4):259-300. PMID: 37867279. IF: 2-9.
11. **Senrung A**, Tripathi T, Janjua D, Yadav SK, Chhokar A, Aggarwal N, Yadav J, Chaudhary A, Joshi U, Sethi P, Bharti AC. Chick chorioallantoic membrane: a valuable 3D in vivo model for screening nanoformulations for tumor antiangiogenic therapeutics. *Int J Dev Biol*. 2023;67(4):115-135. PMID: 38334179. IF: 1.0.
12. **Senrung A**, Tripathi T, Yadav J, Janjua D, Chaudhary A, Chhokar A, Aggarwal N, Joshi U, Goswami N, Bharti AC. In vivo antiangiogenic effect of nimbolide, trans-chalcone and piperine for use against glioblastoma. *BMC Cancer*. 2023 Nov 30;23(1):1173. PMID: 38036978. IF: 3.4.
13. **Senrung, A.**, Lalwani, S., Janjua, D., Tripathi, T., Kaur, J., Ghuratia, N., Aggarwal, N., Chhokar, A., Yadav, J., Chaudhary, A., Joshi, U., Bharti, AC. 3D tumor spheroids: morphological alterations a yardstick to anti-cancer drug response. *In vitro models* 2, 219–248 (2023). <https://doi.org/10.1007/s44164-023-00059-8>. ISSN No. 2731-3441.
14. Thakur K, Janjua D, Aggarwal N, Chhokar A, Yadav J, Tripathi T, Chaudhary A, **Senrung A**, Shrivastav A, Bharti AC. Physical interaction between STAT3 and AP1 in cervical carcinogenesis: Implications in HPV transcription control. *Biochim Biophys Acta Mol Basis Dis*. 2023 Dec;1869(8):166817. PMID: 37532113. IF: 4.2.
15. Thakur M., Bhardwaj S., Singh J., **Senrung A.**, Singh J. Three Years of Covid-19 – A Review on India's Journey

through Different Variants and Waves (2023), IJRTI, 8(1), ISSN: 2456-3315.

16. Thakur K., Janjua D., Shishodia G., Chhokar A., Aggarwal N., Yadav J., Tripathi T., Chaudhary A., **Senrung A.**, Bharti A.C. Investigation of Molecular Mechanisms Underlying JAK/STAT Signaling Pathway in HPV-induced Cervical Carcinogenesis using „Omics” Approach (2022), Medical Oncology. 12;39(12):255. PMID: 36224441. IF: 2.8.
17. Jyotsna Singh, **Anna Senrung**, Smriti Sharma, Tenzin Nyibum Bhutia, Mayanglambam Rojina, Ashok Kumar Singh (2017). Influence of temperature on the survival and development of cowpea aphid, *Aphis craccivora* (Hemiptera: Aphididae). Indian Journal of Entomology. 79(1):111-114. Print ISSN: 0367-8288. Online ISSN: 0974-8172. IF: 0.254.
18. **Anna Senrung**, Jyotsna Singh, Smriti Sharma, Tenzin Nyibum Bhutia, Ashok Kumar Singh (2014). Effect of *Murraya Koenigii* extracts on the feeding and oviposition response of *Spodoptera litura* (Fab.) (Lepidoptera: Noctuidae). Journal of Entomology and Zoological studies. 2 (3): 27-31. ISSN 2320-7078. ISSN No. .
19. Smriti Sharma, **Anna Senrung**, Ashok Kumar Singh (2014). Toxic effect of neem, *Azadirachta indica* (A. Juss) foliage extracts against diamondback moth (DBM), *Plutella xylostella* (L.) (Lepidoptera, Plutellidae). JBiopest. 7(1): 1-7. ISSN (Online) 2230-8385. ISSN No (Print): 0974391X.

Publications in an Edited Book:

1. **Anna Senrung**, Aamya Bhargava, Isha Dagar, Isra Maryam, John Linglee Anal, and Meetu Khosla (2025), Nurturing Nature: The convergence of religious beliefs and environmental concerns within the Indian context. In Silvy Mathew, Jsha K, and Rekha K (Eds.), Traditional Knowledge Systems and Biodiversity, pp32-40. Sooryagatha (Publishers). ISBN 978-81-7255-183-4.
2. Hangsika Sharma, Shreya Pandey, Nidhi Bhardwaj, Meenakshi Thakur, Jyotsna Singh, Narendra Kumar, and **Anna Senrung** (2025), *In silico* screening of phytochemicals from *Hydnocarpus wightianus* for potential therapeutic applications against Glioblastoma. In Silvy Mathew, Jsha K, and Rekha K (Eds.), Traditional Knowledge Systems and Biodiversity, pp41-59. Sooryagatha (Publishers). ISBN 978-81-7255-183-4.
3. Saumya Singh, Tanisha, Sushree Pritipragyan, Meenakshi Thakur, Sunita K. Yadav, Radhika Gupta, and **Anna Senrung** (2025). ADMET analysis and molecular insights into the antiangiogenic potential of phytochemicals from *Ocimum tenuiflorum* (Tulsi). In Silvy Mathew, Jsha K, and Rekha K (Eds.), Traditional Knowledge Systems and Biodiversity, pp60-78. Sooryagatha (Publishers). ISBN 978-81-7255-183-4.
4. **Anna Senrung**, John Linglee Anal, Meenakshi Thakur (2021), COVID-19 Incidence, Transmission and Best Containment Practices: Study of India, Global Pandemic: Responses and Solutions, Shree Vinayak Publication, Agra, ISBN: 978-93-91267-07-0. Editors: J.G.VALAN ARASU, ANJALI D'SOUZA, FEMINA SOBIN, ROSHNI CHAUBEY
5. Meenakshi Thakur, **Anna Senrung**, John Linglee Anal (2021), Covid 19-A Lesson for Protecting Biodiversity, Global Pandemic: Responses and Solutions, Shree Vinayak Publication, Agra, ISBN: 978-93-91267-07-0. Editors: J.G.VALAN ARASU, ANJALI D'SOUZA, FEMINA SOBIN, ROSHNI CHAUBEY
6. SR. John Linglee Anal and **Anna Senrung** (2019). Brief Account of the Folklore of the Tribes of Chandel District, Manipur, India”. International Conference on “North East India: Exploring Philosophy, Culture & Environmental Sustainability”. Krishi Sanskriti Publications. ISBN: 978-93-85822-90-2. Editors:
7. **Anna Senrung**, John Linglee Anal, Prerna Joshi, Gunjan Malik, Sonali Jha, Saumya Avasthy (2018). Indigenous Fermented Food Habits of Manipur and Nagaland. In S. Mehta & A. Senrung (Eds.), North-East India: The Untapped Tourism Industry, pp45-52. Krishi Sanskriti Publications. ISBN: 978-93-85822-65-0.
8. **Anna Senrung**, John Linglee Anal, Tanya Aggarwal, Kaushki Pandey (2018). Manipur: The Neglected Tourism Glory. National Conference on, “North East India: The Untapped Tourism Industry”. Krishi Sanskriti Publications. ISBN: 978-93-85822-65-0.

e-Chapters:

1. Manoj Kumar Kashyap, Anjali Bhat, Divya Janjua, Rashmi Rao, Kulbhushan Thakur, Arun Chhokar, Nikita Aggarwal, Joni Yadav, Tanya Tripathi, Apoorva Chaudhary, **Anna Senrung**, Alok Chandra Bharti. Chapter 20 - Role of angiotensin in different malignancies (2023). Editor(s): Paul M. Pilowsky, In Molecular Mediators in Health and Disease: How Cells Communicate, Angiotensin, Academic Press, 2023, Pages 505-544, ISBN 9780323996181, <https://doi.org/10.1016/B978-0-323-99618-1.00019-2>.
2. Yadav, J., Aggarwal, N., Chaudhary, A., Tripathi, T., Baruah, D., Chhakara, S., Janjua, D., Chhokar, K., Thakur, K., **Senrung, A.**, Chandra Bharti, A. (2022). Role of Exosomes in Tumor Induced Neo-Angiogenesis. IntechOpen. doi: 10.5772/intechopen. ISBN: 104400. 978-1-80355-835-6, Print ISBN: 978-1-80355-834-9, eBook (PDF) ISBN: 978-1-80355-836-3, Published: 27 July 2022. Academic Editor: Ke Xu, Tianjin Medical

Conference Proceedings as an Abstracts:

1. **Anna Senrung**, Tanya Tripathi, Nikita Aggarwal, Divya Janjua, Arun Chhokar, Joni Yadav, Apoorva Chaudhary, Kulbhushan Thakur, Udit Joshi, and Alok Chandra Bharti. Potential of Trans-Chalcone in-vivo: ATP Antagonist to VEGFR with predicted blood-brain barrier permeability". 5th International Conference on Nutraceuticals and Chronic Diseases (INCD-2022) on "Pharmaceuticals and Nutraceuticals for Cancer and Other Chronic Diseases" from October 7-9, 2022, held at Department of Zoology, University of Delhi. ISBN 978-81-954625-9-9
2. **Senrung A**, Goswami N, Singh K, Sethi P and Jyoti A (2020). Optimization of ex-vivo model system for anti-glioma drug screening and delivery. International Conference on Natural Products and Human Health (ICNPHH-2020) organised by the Department of Zoology, Deshbandhu College, University of Delhi, at University Conference Center, University of Delhi, on 27th February 2020. ISBN 9788194428237.

Books/Papers Edited:

1. Textbook of Developmental Biology: Laboratory Techniques and Experimental Approaches. Springer Singapore. DOI <https://doi.org/10.1007/978-981-95-7269-4>
2. North East India: Exploring Philosophy, Culture & Environmental Sustainability. Krishi Sanskriti Publications. 2019. ISBN: 978-93-85822-90-2
3. North East India: The Untapped Tourism Industry. Krishi Sanskriti Publications. March- 2018. ISBN: 978-93-85822-65-0

E-Content for Undergraduate and Postgraduate Courses:

1. Developed an E-lesson for a Postgraduate Course entitled, "Neuro-endocrine Physiology: Classification of Hormones" for NME-ICT in Zoology under the MHRD Project. 2017. [1518689368M14ClassificationofHormonesQuad1.pdf](https://vle.drdu.ac.in/mod/resource/view.php?id=10731)
2. Developed an E-lesson for a Postgraduate Course entitled, "Neuro-endocrine Physiology: Hypothalamic Hormones" for NME-ICT in Zoology under MHRD Project. 2017. [1518690587M18HypothalamicHormonesQuad1.pdf](https://vle.drdu.ac.in/mod/resource/view.php?id=10731)
3. Developed E-lesson for an Undergraduate Course entitled, "Morphology & Physiology of *Paramecium*" of paper Non-Chordata (Subject Zoology) (2015). Virtual Learning Environment, Institute of Lifelong Learning, University of Delhi. ISSN-2349-154X. <http://vle.drdu.ac.in/mod/resource/view.php?id=10731>
4. Developed E-lesson for Undergraduate Course entitled, "Mitosis and Meiosis: A genetic perspective" (2015) for NME-ICT in Zoology. ISSN-2349-154X. <http://vle.drdu.ac.in/mod/tab/view.php?id=8144#tab6>
5. Co-authored E-lesson for an Undergraduate Course entitled, "Extension of Mendelian Genetics" (2015) for NME-ICT in Zoology. ISSN-2349-154X. <http://vle.drdu.ac.in/mod/tab/view.php?id=8144#tab6>
6. Co-authored E-lesson for Undergraduate Course entitled, "Linkage and Crossing-over" (2015) for NME-ICT in Zoology. ISSN# 2349-154X. <http://vle.drdu.ac.in/mod/tab/view.php?id=8144#tab6>

Conference Organization/Presentation

Conference organization

1. Member of the organizing Committee in the 5th International Conference on Nutraceuticals and Chronic Diseases (INCD-2022) on "Pharmaceuticals and Nutraceuticals for Cancer and Other Chronic Diseases" from October 7-9, 2022, held at the Department of Zoology, University of Delhi.
2. Convener of International Conference on 'North East India: Exploring Philosophy, Culture and Environmental Sustainability' held at Daulat Ram College in collaboration with ICPR & P.A. Sangma Foundation from 10th & 11th January 2019.
3. Convener of National Conference on 'North East India: The Untapped Tourism Industry' held at Daulat Ram College in collaboration with the Ministry of Development of North Eastern Region (DoNER), Government of India, from 15th to 16th March 2018.

Conference Presentation

1. Presented a Research paper (Oral presentation) on "Chicken Embryo as a Preclinical Model for Assessing the Biocompatibility of Chemotherapeutics", at an International Conference on Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future from 6-8th February 2025, organised by Zoology Department, Miranda House, University of Delhi, India.
2. Presented a Research paper (Oral presentation) on "Nurturing Nature: The convergence of religious beliefs and environmental concerns within the Indian context", in a Hybrid National Seminar on Traditional Knowledge

Systems and Biodiversity from 16-17th January 2025, organised by Vimala College (Autonomous) Thrissur, Kerala. - Presented a Research Paper (Poster Presentation) on “Anti-angiogenic Potential of Trans-Chalcone in-vivo: ATP Antagonist to VEGFR with predicted blood-brain barrier permeability”, in the 5th International Conference on Nutraceuticals and Chronic Diseases (INCD-2022) on “Pharmaceuticals and Nutraceuticals for Cancer and Other Chronic Diseases” from October 7-9, 2022, held at Department of Zoology, University of Delhi. - Presented a Research Paper (Poster Presentation) on “Assessment of Antiangiogenic Potential of Phytochemicals against Glioblastoma in an Ex-Ovo Model System”, in RMBPD-2022: International Colloquium on “Deciphering Bioregulatory Mechanism in Health and Disease using „omics” Approach” from 24th-25th February 2022, held at Department of Zoology, University of Delhi. - Presented a Research paper (Oral presentation) on “Covid-19 Incidence, Transmission and Best Containment Practices: A Study of India”, at an Online National conference on “Life Sciences challenges and opportunities: Covid-19 Pandemic” from 1st-2nd June 2020, organised by Faculty of Life Sciences, St. Aloysius' College (Autonomous), Jabalpur (M.P.). - Presented a Research Paper (Poster Presentation) on “Optimization of <i>ex-vivo</i> model system for anti-glioma drug screening and delivery”, in ICNPHH – 2020: International Conference on “Natural Products and Human Health – 2020” from 27th-29th February 2020, held at the University of Delhi, New Delhi, India. - Presented a Research Paper (Poster Presentation) on “Ex-vivo Model System to Characterise and Optimise Nanoparticles used in Cancer Nanotherapeutics” at the 39th Annual Conference of the Indian Association for Cancer Research (IACR 2020), from 5th to 7th February, 2020, held at Thiruvananthapuram, Kerala, India.
Research Projects (Minor/Major Grants/Research Collaboration) - Synthesis of Antiangiogenic Nanostructured Lipid Particles (NLP) for Cancer Therapy and Evaluation Using In Vitro and In Vivo Glioblastoma Models', under the Start-up Grant for Induction into Biomedical & Health Research. DHR, MoHFW, India, 2025-2028 (Rs. 47,97,716/-) as PI. Proposal ID: SUG-2024-1253 - Design and Synthesis of Novel Coumarin-pyridine/quinoline/quinazoline hybrids as Angiogenesis Inhibitors Targeting VEGFR-2 TKD against Tumor Microenvironment. CSIR, India. 2024-2027 (~30 Lakh) as Co-PI. Project File Number-25WS(029)/2023-24/EMR-II/ASPIRE - Design and Synthesis of Novel Coumarin-pyridine/quinoline/ quinazoline/indazole hybrids as angiogenesis inhibitors targeting VEGFR-2 TKD against tumor microenvironment – Preliminary studies. Navdhara Project, DRC, India. 2023-2024 (45 thousand) as one of the Principal Investigators. Completed. - Innovation Project (Project Code: 308) Title: Developing E-literacy skills in scientific communication. University of Delhi, India. 2015-2016 (5 Lakh) as Co-PI. Completed.
Awards and Distinctions - Awarded Certificate of Excellence for Outstanding guidance and mentorship for the Undergraduate Research Aptitude (UGRA) Competition at an ICSSR-NRC Sponsored National Seminar on April 22nd 2024 organised by Centre for Indian Knowledge Systems, Shaheed Bhagat Singh College, University of Delhi. - Appreciation for Poster presentation at the 5th International Conference on Nutraceuticals and Chronic Diseases (INCD-2022) on “Pharmaceuticals and Nutraceuticals for Cancer and Other Chronic Diseases” from October 7-9, 2022, held at the Department of Zoology, University of Delhi. - Best Poster for Research Display at the Convocation Ceremony on 19th November 2016. Project Code: DR 308. Project Title: Developing E-Literacy Skills in Scientific Communication.
Association with Professional Bodies - Member of the European Association of Cancer Research (EACR). - Member of the Indian Association of Cancer Research (IACR).
Other Activities
<u>Symposiums/workshops/Seminars Organization</u> - Convenor for workshop titled, “<i>Bridging Basics to Breakthroughs: A Workshop on Drug Discovery</i>” (<i>In silico</i> Novel drug screening & Cancer cell culture maintenance) from 6th – 19th June 2025. - Co-coordinator for Zonal Championship Program & Hands-on Workshop on “Artificial Intelligence in Lifesciences” organized by Daulat Ram College, University of Delhi in association with Makeintern & E-Cell (IIT Hyderabad) from 22-24th January 2025. - Coordinator for In-House Skill Development Programme organized by the Zoology Department, Daulat Ram College, titled, “<i>In Silico</i> Novel Therapeutics Discovery” from 24th September to 19th October 2024.
<u>Conference/Symposiums/workshops/Seminars Participation</u>

4. Participated in the 5th International Conference on Nutraceuticals and Chronic Diseases (INCD-2022) on "Pharmaceuticals and Nutraceuticals for Cancer and Other Chronic Diseases" from October 7-9, 2022, held at Department of Zoology, University of Delhi.
5. Participated in the EACR Webinar, "Thinking differently about cancer treatment regimens" with René Bernards, held through Zoom webinar, 30 September 2020.
6. Participated in the EACR-ESOI Virtual Conference on Imaging Cancer through Zoom Webinar, held on 8th July 2020.
7. Participated in the "Meet the Expert" webinar with Daniel Peeper: Combination treatments in cancer 'Combination treatments in cancer, an urgent clinical need (and how can basic researchers contribute?'" on 24th June 2020 organised by EACR.
8. Participated in an International Conference on "Natural Products and Human Health" organised by the Department of Zoology, Deshbandhu College, University of Delhi, at the University Conference Center, University of Delhi, on 27th February 2020.
9. Participated in Virtual Conference on "DNA Damage Responses and Cancer" organised by EACR on 20th May 2020.
10. Participated in the "Meet the Expert" Webinar with Prof. Joan Seoane" organized by the European Association for Cancer Research (EACR) on 31st May 2020.
11. Participated in EACR Virtual Congress organised by EACR (eacr2020.org) from 18th-19th June 2020.
12. Participated in the Virtual Conference on 'Bioinformatics for Cancer Research' organised by EACR on 3rd June 2020.
13. Participated in an Online Conference on "Life Sciences Challenges and Opportunities: COVID-19 Pandemic" organised by the Faculty of Life Sciences. St. Aloysius College (Autonomous), Jabalpur, MP, from 1st & 2nd June 2020.
14. Participated in an International Conference on "Natural Products and Human Health" organised by Deshbandhu College, DU. University Conference Center, DU, from 27th to 29th February 2020.
15. Participated at the 39th Annual Conference of the Indian Association for Cancer Research (IACR 2020). Thiruvananthapuram, Kerala, India, from 5th to 7th February, 2020.
16. Participated in an International Conference on "North East India: Exploring Philosophy, Culture & Environmental Sustainability" organised by Daulat Ram College in collaboration with the Indian Council of Philosophical Research (ICPR) & P.A. Sangma /foundation on 10th -11th January 2019.
17. Participated in the one day workshop and Hands-on Experience in "Advanced Spectroscopy" & "Dynamic Light Scattering" held by the Department of Zoology, Kirori Mal College on 9th October 2018.
18. Participated in a National Conference on "North East India: The Untapped Tourism Industry" organised by Daulat Ram College in collaboration with the Ministry of Development of North Eastern Region on 15th -16th March 2018.

Resource Person/Judge

1. Invited as a judge in the Rajya Stariya Bal Vaigyanik Pradarshani, 52nd Regional Science Exhibition (RSBVP) for Delhi Region at PM SHRI KENDRIYA VIDYALAYA PITAMPURA on 17th and 18th December 2024.
2. Resource person in an in-house (DRC) Skill Development Program, organised by the Zoology Department, Daulat Ram College, titled, "*In Silico* Novel Therapeutics Discovery" from 24th September to 19th October 2024.
3. Resource person in a workshop, "Study of Developmental Stages of Chick Embryo using Window Method" at Hindu College, University of Delhi, held from 9th to 30th April 2024.
4. Invited lecture on "Importance of Biodiversity Conservation" in a One-day Orientation for Northeast students about Arramat study on Biodiversity Conservation, Food Sustainability, Health and Wellbeing of Indigenous Peoples, by Jesuit Research and Development Society, New Delhi on 21st March 2024.
5. Resource person in an in-house (DRC) Skill Development Program, "Economic Importance & Management of Beneficial Insects" held from 2nd to 6th March 2024. Title: "Honey bee: A Complete Social and Economical Insect" on 30th March 2024 from 12 noon to 2 pm.
6. Resource person in an in-house (DRC) Skill Development Program, "Life style disorders and Management" held from 2nd to 6th March 2024. Title: "Detection method of Adulterants in foods" on 3rd February 2024 from 9:30 to 11:30 am.
7. Resource person in an in-house (DRC) Skill Development Program, "Enhancing Learning Through ICT Tools" held on 23rd and 24th August 2023.
8. Resource person in an in-house (DRC) Skill Development Program, "Unveiling the Animal World in Behavioural Way" held from 23rd March to 8th April 2023.

9. Resource Person in an in-house (DRC) 15 days Internship Training on *Drosophila* Model System organised in collaboration with Sansriti Foundation under IQAC and Sponsored by Star College Project, DBT, Government of India, from 4th to 18th July 2018.

Career Advancement Trainings

1. Participated in 10 days NEP 2020 Orientation & Sensitization Programme (Programme Code: MMC-138-2024-JUNE-A-01830) in an online mode under the Malaviya Mission Teacher Training Programme (MMTTP) of the Ministry of Education, Government of India, held from 5th-14th June 2024, organised by Malaviya Mission Teacher Training Centre, Shri Ram College of Commerce (MMTTC, SRCC), University of Delhi.
2. Participated in one week Faculty Development Program on Unveiling Apiculture: Exploring the Arts and Science of Beekeeping Methods and Applications, held from 10th-16th October 2023, organised by Miranda House (Under the aegis of IQAC); Dyal Singh College, University of Delhi; ICAR-All India Coordinated Research Project on Honey Bee and Pollinators (AICRP-HB&P) and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi.
3. Participated in one week National Faculty Development Program on Sustainable Aquaculture, held from 19th-25th June 2023, organised by the Department of Zoology, University of Delhi in collaboration with Shaheed Rajguru College of Applied Sciences for Women and GAD-TLC, SGTB Khalsa College, University of Delhi.
4. Completed a six months research-based training program on "Drug Discovery Against Non-Infectious Diseases" at the Center for Bioinformatics, Computational, and Systems Biology, Pathfinder Research and Training Foundation, from August 16, 2021, to February 15, 2022.
5. Participated in two weeks of MHRD-sponsored PMMMNMTT Faculty Development Programme on "Research Methodology", held from 1st to 17th October 2020, organised by TLC, Ramanujan College, University of Delhi.
6. Participated in a UGC sponsored Online Refresher Course in Basic Sciences, held from 10th to 23rd September 2020, organised by UGC-HRDC, Jamia Millia Islamia, New Delhi.
7. Participated in an Online FDP Program on "Environmental Impacts of COVID-19 Pandemic: Challenges and Future Research" Organised by University School of Environment Management (USEM), Guru Gobind Singh (GGS) Indraprastha University (Govt. of NCT of Delhi).
8. Participated in two weeks of MHRD-sponsored PMMMNMTT Faculty Development Programme on "Advanced Concepts for Developing MOOCs" held from 2nd to 17th July 2020, organised by TLC, Ramanujan College, University of Delhi.
9. Participated in an Online MHRD-sponsored PMMMNMTT FDP Program on "Entrepreneurship, Incubation and Innovation" held from 23rd to 29th June 2020, organised by TLC, Ramanujan College in association with Research Development and Services Cell, Ramanujan College, DU.
10. Participated in an Online FDP Program on "Research Methodology: Tools & Techniques" held from 5th to 11th June 2020, organised by Atma Ram Sanatan Dharma College, DU, in Association with MHRD, PMMMNMTT, TLC, Ramanujan College, University of Delhi.
11. Participated in a 117th four week Orientation Programme held from 15th February to 16th March 2017, organised by the UGC-HRDC, Jamia Millia Islamia, New Delhi.
12. Participated in the Animal Behavior workshop held at the Department of Zoology (19th -25th September, 2015), University of Delhi.

Activities/Trainings organised

1. Coordinator for In-House Skill Development Programme organised by Zoology Department, Daulat Ram College, titled, "*In Silico* Novel Therapeutics Discovery" from 24th September to 19th October 2024.
2. Convener of "Inter-College North East Cultural Extravaganza", held at Daulat Ram College in collaboration with the Ministry of Development of North Eastern Region (DoNER), Government of India, on 27th January 2017.
3. Convener of Inter-College Essay Writing and Collage Making Competition, held at Daulat Ram College in collaboration with the Ministry of Development of North Eastern Region (DoNER), Government of India, on 18th January 2017.
4. Course Coordinator for In-House Skill Development Certificate Course on "Digital Literacy" held at Daulat Ram College from 4th July – 16th July, 2016.

(Dr. Anna Senrunga)