




## ZAKIR HUSAIN DELHI COLLEGE (University of Delhi)

### Faculty Details

(Please Fill the form and Email it to [website@zh.du.ac.in](mailto:website@zh.du.ac.in))

<b>Title</b>	<b>First Name</b>	<b>Last Name</b>	<b>Photograph</b>
DR.	ANKUR	MAHESHWARI	
<b>Designation</b>	<b>Assistant Professor</b>		
<b>Address</b>	Department of Zoology, Zakir Husain Delhi College (University of Delhi), Jawaharlal Nehru Marg, New Delhi-110002		
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	<b>Residence</b>	--	
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<b>Email Id</b>	ankmaheshwari@zh.du.ac.in		
<b>Web Page</b>	<a href="https://sites.google.com/view/ankmahesh/home">https://sites.google.com/view/ankmahesh/home</a>		
<b>Educational Qualification</b>			
<b>Degree</b>	<b>Institution</b>	<b>Year</b>	
PhD	National Institute of Health and Family Welfare, New Delhi Kurukshetra University	2011	
PG Cert Forensic Science	University of Delhi	2003	
Cert C++, C#	CMC Ltd.	2003	
<b>Career Profile</b>			
<p>More than 15 year of teaching experience in Colleges of Delhi University and 20 years of research experience. Presently working on role of natural plant products in preventing diabetes, cardiac ischemia/injury and infertility (oxidative stress and apoptosis and related mechanisms).</p> <ol style="list-style-type: none"> <li>1. 2013 – Till Date, Assistant professor in Department of Zoology, Zakir Husain Delhi College, University of Delhi, Jawaharlal Nehru Marg, New Delhi.</li> <li>2. 2010 - 2012, Assistant Professor in Department of Zoology, Deen Dayal Upadhyaya College, University of Delhi, Karam Pura, New Delhi-110015.</li> <li>3. 2009-10, Guest Lecturer in Department of Zoology, Zakir Husain College, University of Delhi, Jawaharlal Nehru Marg, New Delhi-110002.</li> <li>4. 2008- 2010, CSIR-Senior Research Fellow, Molecular and Cellular Endocrinology laboratory, under the supervision of Prof. M. M. Misro, Department of Reproductive Biomedicine, National Institute of Health and Family Welfare, Munirka, Delhi-110067</li> <li>5. 2007- 2008, CSIR-Junior Research Fellow, Molecular and Cellular Endocrinology laboratory,</li> </ol>			

<p>under the supervision of Prof. M. M. Misro, Department of Reproductive Biomedicine, National Institute of Health and Family Welfare, Munirka, Delhi-110067</p> <p>6. 2005-2007, CSIR-Junior Research Fellow, Cell Signaling and Immunology laboratory, under the supervision of Prof. Anju Shrivastava, Department of Zoology, University of Delhi, Delhi-110007.</p>
<b>Administrative Assignments</b>
<ol style="list-style-type: none"> <li>1. Member, Staff Requirement Committee, Zakir Husain Delhi College for the Academic Session 2024-25- till date.</li> <li>2. Member, NAAC SSR Content Creation Committee, Zakir Husain Delhi College, October 2023- till date.</li> <li>3. Member, Maintenance Committee, Zakir Husain Delhi College, Aug 2023-till date.</li> <li>4. Member, Departmental NAAC Committee, Zakir Husain Delhi College, Jan 2025-till date</li> <li>5. Member, Alumni Meet Committee, Zakir Husain Delhi College, December 2023.</li> <li>6. Member, Departmental Stock Verification Committee, Zakir Husain Delhi College, 2013-till date.</li> <li>7. Convenor, Zoological Society, "Inheritance", Zakir Husain Delhi College, June 2022-May 2023.</li> <li>8. Member, Zoological Society, "Inheritance", Zakir Husain Delhi College, 2021-22, 2023-24.</li> <li>9. Convener, Departmental Alumni Team, Zakir Husain Delhi College, June 2022-date.</li> <li>10. Member of Counseling committee of college admission committee during 2013-2022, at Zakir Husain Delhi College, University of Delhi.</li> <li>11. Member, Discipline committee of various academic/Cultural programs of college from 2013-till date, at Zakir Husain Delhi College, University of Delhi.</li> <li>12. Member, Seating plan committee of Annual day during 2013-2019, 2023, at Zakir Husain Delhi College, University of Delhi.</li> <li>13. Member, Departmental NAAC committee 2016, Zakir Husain Delhi College, University of Delhi.</li> <li>14. Member, Gown-Desk Committee of Zakir Husain Delhi College, Convocation Day during 2015-2017.</li> <li>15. Member, Seating plan committee of College Convocation Day in 2014, Zakir Husain Delhi College, University of Delhi.</li> </ol>
<b>Areas of Interest / Specialization</b>
Cell Signaling, Germ Cell Apoptosis and Male Infertility, Nanoparticulate Drug Delivery system
<b>Subjects Taught</b>
Medical Diagnostics, Genetics, Animal Behaviour and Chronobiology, Evolutionary Biology
<b>Research Guidance</b>
<p>Guided 20 students under 2 DU Innovation Projects (10 students Each)</p> <ul style="list-style-type: none"> <li>▪ Innovation Project granted by Research Council University of Delhi titled "Development of User-Friendly Low-Cost Portable Biosensor for the Detection of Pesticides" ZHC301. INR 7 lakh, Oct 2015-Nov 2016. Completed.</li> <li>▪ Innovation Project granted by Research Council, University of Delhi titled "Effect of heavy</li> </ul>

metal and trace elements in water on human health status in Delhi-NCR region” ZH205. INR 5.5 lakh, Nov 2013-March 2015. Completed.

#### Publications Profile (h and i-index 7, citations >300)

1. Bajaj M, **Maheshwari A**, Agrawal R, Monika, Prity, Meena S, Tripathi A, Thakur K, Mangesh. Cytotoxic and Genotoxic Effects of the Antibiotic Streptomycin on Root Meristem Cells of *Allium cepa* L. Int J Pharm Sci Rev Res. 2023. 83(2), 66-73. ISSN 0976 – 044X
2. Agrawal R, **Maheshwari A\***. Impact of Covid-19 Vaccination on Menstrual Health in Indian Females. Int J Pharm Sci Rev Res. 2023. 79(2), 212-217. ISSN 0976 – 044X
3. Agrawal R\*, **Maheshwari A\***, Bajaj M, Gantayat N, Matta B. A Study on Spread & Symptoms of COVID-19 in India. Int J All Res Edu Sci Met. 2023. 11(4), 405-409. ISSN: 2455-6211
4. Agrawal R, **Maheshwari A**. Eds. Savita Singh Book Chapter. (2022), “Role of fungi in biofuel production chain” in Book titled Myconanotechnology: Green Chemistry for Sustainable Development, Chapter 15. ISSN (Online): 2452-0780, ISSN (Print): 2452-0772, ISBN (Online): 978-981-5051-36-0, ISBN (Print): 978-981-5051-37-7, 2022, Published by Bentham Science Publishers Pte. Ltd. Singapore.
5. **Maheshwari A**. A Chapter for new Course B.Sc (Hons.) Biochemistry. IGNOU (Department of Life Sciences) Chapter 13: Cell Death and Renewal (2017). IGNOU Curriculum Development.
6. Singh A. K., Bhardwaj J. K., Olival A., Kumar Y., Poddar A., **Maheshwari A.**, Agrawal R., Latha N., Thomas H., Rodriguese J., Singh B. K., Rath B. Design, Synthesis and Biological Evaluation of Arylpiperazine Based Novel Phthalimides: Active Inducers of Testicular Germ Cell Apoptosis. J Chem Sci. 2016. 128 (8), 1245-1263. [Cited 4 times, IF-1.573] ISSN: 0974-3626
7. Book Chapter: Agrawal R, **Maheshwari A**, Eds. VR Rajpal et al. (2016), “Genetic Improvement in the Genus Eleusine” in Book titled Gene Pool Diversity and Crop Improvement, Vol-1, Chapter 13, pg. 393-413 by Springer International Publishing, Switzerland, ISBN: 978-3-319-27094-4 [Cited 7 time]
8. Shukla S. K., Sharma S. B., Singh U. R., Ahmed S., **Maheshwari A.**, Misro M. M., Dwivedi S. Eugenia jambolana Pretreatment Prevents Isoproterenol-Induced Myocardial Damage in Rats: Evidence from Biochemical, Molecular and Histopathological Studies. J Med Food. 2014. 17(2): 244-253. [Cited 18 times, IF-2.786] ISSN: 1096-620X
9. **Maheshwari A**, Misro M. M., Aggarwal A., Sharma R. K. N-acetyl-L-cysteine modulates multiple signaling pathways to rescue male germ cells from apoptosis induced by chronic hCG administration to rats. Apoptosis. 2012. 17(6), 551-65 [cited 26 times, IF-4.677]. ISSN: 1360-8185
10. Aggarwal A, Misro M. M., **Maheshwari A.**, Sehgal N. Differential modulation of apoptotic gene expression by NAC in Leydig cells stimulated persistently with hCG in vivo. Mol Cell Endocrinol. 2012. 348 (1), 155-164. [cited 14 times, IF-4.102] ISSN: 0303-7207
11. Shukla S. K., **Maheshwari A.**, Kumar R., Dwivedi S. Sheet Ritu: Samasyaein aur Savdhaniyan. 2012. Dharna. 18. 52-54. A Hindi journal published by National Institute of Health and Family Welfare, Munirka, New Delhi-110067. ISBN: 978-93-81076-04-0.
12. **Maheshwari A.**, Misro M. M., Aggarwal A., Sharma R. K., Nandan D. N-Acetyl-L-cysteine counteracts oxidative stress and prevents H<sub>2</sub>O<sub>2</sub> induced germ cell apoptosis through down-regulation of caspase-9 and JNK/c-Jun. Mol Reprod Dev. 2011. 78(2): 69–79. [cited 46 times, IF-3.113] ISSN: 1098-2795
13. Aggarwal A., Misro M. M., **Maheshwari A.**, Sehgal N., Nandan D. N-Acetylcysteine counteracts oxidative stress and prevents hCG induced apoptosis in rat Leydig cells through down-regulation of caspase-8 and JNK. Mol Reprod Dev. 2010. 77(10): 900-909. [cited 23 times, IF-3.113] ISSN:

14. **Maheshwari A.**, Misro M. M., Aggarwal A., Sharma R. K., Nandan D. Pathways involved in testicular germ cell apoptosis induced by H<sub>2</sub>O<sub>2</sub> *in vitro*. FEBS J. 2009; 276(3): 870-881. [cited 123 times, IF-5.542] ISSN: 1742-4658
15. Aggarwal A., Misro M. M., **Maheshwari A.**, Sehgal N., Nandan D. Adverse effects associated with persistent stimulation of Leydig cells with hCG *in vitro*. Mol Reprod Dev. 2009. 76(11): 1076–1083. [cited 29 times, IF-3.113] ISSN: 1098-2795
16. Misro M. M., Chaki S. P., Chandra M., **Maheshwari A.**, Nandan D. Release of copper from CuT 380A co-incubated with human semen and its effect on sperm function *in vitro*. Ind J Physiol Pharmacol. 2008; 52 (3): 267-273. [cited 4 times] ISSN: 0019-5499

#### Conference Organization/ Presentations (in the last five years)

##### Conference/Workshop/Lecture Organised

1. Organized inaugural lecture of Zoological Society on September 9, 2022, titled “Shaping of the Immune System: The Role of Positive and Negative Selection” by Prof. Shibanath Mazumder at Zakir Husain Delhi College under the aegis of IQAC.
2. Organized lecture and virtual Industrial tour to Yakult-Danone India Pvt. Ltd. Under the aegis of IQAC, ZHDC on March 28, 2022, at Department of Zoology, Zakir Husain Delhi College, University of Delhi.
3. Session Coordinator in a week National workshop on “Application of Biotechnology, Bioinformatics and Biostatistics tools for Science Students” at Zakir Husain Delhi College, University of Delhi under the aegis of DBT-STAR college scheme from December 20-24, 2021.
4. Convener and organized National conference on “Diseases and Drugs: Emerging Trends and Challenges”, January 31 - February 1, 2018 sponsored by DST-SERB, DBT-CTEP, at Zakir Husain Delhi College, University of Delhi, New Delhi-110002.

##### Conference/Symposium Presentation

5. **Ankur Maheshwari\***, Arshita Kwatra, Haniya Saleem, Renuka Agrawal\* (2025). FROM “Coding to Curing: AI’S Advancement and Challenges”. Poster Presentation. 11-12 Feb, 2025. Presented at International Conference on Chemical, Biological and Environmental Sciences 2025 (ICCBES-2025), organized by Department of Chemistry, Miranda House, University of Delhi, Delhi.
6. Sneha, Arshia Krishnakumar, Nandin, Nitin Agrawal, **Ankur Maheshwari\***, Renuka Agrawal. (2025). “Precision Farming 2.0: Integrating AI and Biotechnology For A Greener Future”. Poster Presentation (P-61), 6-8 Feb, 2025. Presented at International Conference on Biotechnology “Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future”, at Miranda House, University of Delhi, Delhi.
7. **Ankur Maheshwari**, Navita Sabal, Renuka Agrawal. (2023). “Cosmetics and Human Health”. Poster presentation P-11. 28-29 Aug 2023, Presented at G-20@India: Novel Initiatives in Education: Exploring Indian Knowledge System at Deen Dayal Upadhyaya College, University of Delhi, Dwarka, New Delhi.
8. **Ankur Maheshwari**, Isha Dahiya, Renuka Agrawal. (2023). “Obesity and Health”. Poster presentation P-10, 28-29 Aug 2023, Presented at G-20@India: Novel Initiatives in

Education: Exploring Indian Knowledge System at Deen Dayal Upadhyaya College, University of Delhi, Dwarka, New Delhi.

9. Bhavya Matta, Neha Gantayat, **Ankur Maheshwari**, Renuka Agrawal (2021). *“Review on origin and transmission of SARS-CoV2”*. PP84 (Best Poster: Poster Presentation). Presented at 6th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on Microbes in Sustainable Development in association with ANDC, DDUC, Gargi College, KMC, Ramjas College, SV College, University of Delhi (DU), PG Department of Zoology, Magadh University, CMP Degree College, Allahabad University, Phixgen Pvt. Ltd. Gurugram, November 15-18 at Department of zoology, University of Delhi.
10. Kanika Singh, Garima Dubey, Preeti Gupta, Anjali Karn, **Ankur Maheshwari**, Renuka Agrawal (2021). *“Usage and effectiveness of common herbs for the management of covid-19: an online cross-sectional survey based study”*. PP85 (Best Poster), Presented at 6th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on Microbes in Sustainable Development in association with ANDC, DDUC, Gargi College, KMC, Ramjas College, SV College, University of Delhi (DU), PG Department of Zoology, Magadh University, CMP Degree College, Allahabad University, Phixgen Pvt. Ltd. Gurugram, November 15-18 at Department of zoology, University of Delhi.
11. Ishita Pahwa, Harleen Kaur Chawla, **Ankur Maheshwari**, Renuka Agrawal (2021). *“Challenges and opportunities in the development of covid-19 vaccines”*. OS33 (Oral Presentation). Presented at 6th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on Microbes in Sustainable Development in association with ANDC, DDUC, Gargi College, KMC, Ramjas College, SV College, DU, PG Department of Zoology, Magadh University, CMP Degree College, Allahabad University, Phixgen Pvt. Ltd. Gurugram, November 15-18 at Department of zoology, DU.
12. Bhardwaj V., **Maheshwari A.** (2018). *“Epidermolysis Bullosa”*. PS-4, O-4. National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
13. Gupta S., Manshi, Hareramadas B., **Maheshwari A.** (2018). *“Role of environment in diseases”*. P7. National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
14. Sharma S., Singh A. P., **Maheshwari A.** (2018). *“Infertility due to lifestyle”*. P9, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
15. Singh D., Kamar MD., **Maheshwari A.** (2018). *“Neurocysticercosis”*. P10, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
16. Bansal U., Riaz S., **Maheshwari A.** (2018). *“Gastro Esophageal Reflux Diseases: therapy by lifestyle modifications”*. P20, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
17. Hussain MS., Sagar JDS., **Maheshwari A.** (2018). *“Nutraceuticals and skin”*. P36, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002. Best Poster Prize.

<b>Research Projects (Major Grants/Research Collaboration)</b>
<ul style="list-style-type: none"> <li>▪ Innovation Project granted by Research Council University of Delhi titled “Development of User-Friendly Low-Cost Portable Biosensor for the Detection of Pesticides” ZHC301. INR 7 lakh, Oct 2015-Nov 2016. Completed.</li> <li>▪ Innovation Project granted by Research Council, University of Delhi titled “Effect of heavy metal and trace elements in water on human health status in Delhi-NCR region” ZH205. INR 5.5 lakh, Nov 2013-March 2015. Completed.</li> </ul>
<b>Awards and Distinctions</b>
<ul style="list-style-type: none"> <li>▪ Best Display Award for Innovation Project ZH205, Antardhwani-2015, University of Delhi</li> <li>▪ Publication Nominated for 11<sup>th</sup> Royan International Research Award, Iran (world’s best five researches in Reproductive Biomedicine and Stem Cells field). (Co-Author of Mol Reprod Dev; 2009. 76:1076–1083).</li> <li>▪ Qualified ICMR-JRF (PS) 2007 conducted by Indian Council of Medical Research (ICMR).</li> <li>▪ Qualified CSIR-UGC (NET); awarded JRF, June 2004, by CSIR, Delhi</li> <li>▪ Awarded CSIR-SRF, October 2008 by CSIR, Delhi.</li> <li>▪ Awarded Merit Certificate in post-graduation for securing highest marks in the college.</li> <li>▪ Awarded Certificate of scholarship in graduation for securing highest marks in the college</li> </ul>
<b>Association With Professional Bodies</b>
<ul style="list-style-type: none"> <li>▪ Society of Andrology, India (Life member, 2010/4)</li> <li>▪ Indian Society of Cell Biology</li> </ul>
<b>Other Activities</b>
<p><b>ORIENTATION/REFRESHER/FDP ATTENDED.</b></p> <ol style="list-style-type: none"> <li>1. Completed online Training/Refresher Programme on “NEP 2020 Orientation &amp; Sensitization Programme”, 20-29 April, 2024 organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi.</li> <li>2. Completed online Inter-Disciplinary two-week Refresher Course in “Managing Online Classes &amp; Co- creating MOOCS” from 11 – 25 November, 2023 and obtained Grade A+. organized by Teaching Learning Centre, Ramanujan College, University of Delhi.</li> <li>3. Completed online two - week Interdisciplinary Refresher Course in “ADVANCED RESEARCH METHODOLOGY” from 21 July - 04 August, 2023 and obtained Grade A+, organized by Teaching Learning Centre, Ramanujan College, University of Delhi.</li> <li>4. Completed Four-week Online Faculty Induction/Orientation Programme for Faculties in Universities/Colleges/Institutes of Higher Education, held from May 23, 2023 to June 21, 2023, organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Army Institute of Education (GGSIPU), under the aegis of MoE, PMMMNMTT with A+ Grade.</li> <li>5. One-week Online Workshop (equivalent to Faculty Development Program) on “Intellectual</li> </ol>



Property Right” held from February 09th-13<sup>th</sup>, 2021, organized by IQAC, Deen Dayal Upadhyaya College, University of Delhi, under the aegis of DBT Star College Scheme and MoE-Institution Innovation Council DDU Chapter.

6. One-week online Faculty Development Programme on “E-content Generation and Managing Online Teaching” held from December 11th-17th 2020, organized by Sri Aurobindo College (E), University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre (under PMMMNMTT), Hansraj College, University of Delhi.
7. National One Week Online Faculty Training Program (Equivalent to FDP), "Pedagogical Training for Effective Online Teaching & Learning" held from 03 to 10 August 2020 organized by Deen Dayal Upadhyaya College, University of Delhi in association with K.T.H.M. College, Nashik, Maharashtra.

### **Abstract Published/Presented**

1. Ankur Maheshwari\*, Arshita Kwatra, Haniya Saleem, Renuka Agrawal\* (2025). FROM *“Coding to Curing: AI’S Advancement and Challenges”*. Poster Presentation. 11-12 Feb, 2025. Presented at International Conference on Chemical, Biological and Environmental Sciences 2025 (ICCBES-2025), organized by Department of Chemistry, Miranda House, University of Delhi, Delhi.
2. Sneha, Arshia Krishnakumar, Nandin, Nitin Agrawal, Ankur Maheshwari\*, Renuka Agrawal (2025). *“Precision Farming 2.0: Integrating AI and Biotechnology For A Greener Future”*. Poster Presentation (P-61), 6-8 Feb, 2025. Presented at International Conference on Biotechnology “Role of Biotechnology in Biological Sciences: Striving for a Sustainable Future”, at Miranda House, University of Delhi, Delhi.
3. Bhavya Matta, Neha Gantayat, Ankur Maheshwari, Renuka Agrawal (2021). *“Review on origin and transmission of SARS-CoV2”*. PP84 (Best Poster: Poster Presentation). Presented at 6th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on Microbes in Sustainable Development in association with ANDC, DDUC, Gargi College, KMC, Ramjas College, SV College, University of Delhi (DU), PG Department of Zoology, Magadh University, CMP Degree College, Allahabad University, Phixgen Pvt. Ltd. Gurugram, November 15-18 at Department of zoology, University of Delhi.
4. Kanika Singh, Garima Dubey, Preeti Gupta, Anjali Karn, Ankur Maheshwari, Renuka Agrawal (2021). *“Usage and effectiveness of common herbs for the management of covid-19: an online cross-sectional survey based study”*. PP85 (Best Poster), Presented at 6th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on Microbes in Sustainable Development in association with ANDC, DDUC, Gargi College, KMC, Ramjas College, SV College, University of Delhi (DU), PG Department of Zoology, Magadh University, CMP Degree College, Allahabad University, Phixgen Pvt. Ltd. Gurugram, November 15-18 at Department of zoology, University of Delhi.
5. Ishita Pahwa, Harleen Kaur Chawla, Ankur Maheshwari, Renuka Agrawal (2021). *“Challenges and opportunities in the development of covid-19 vaccines”*. OS33 (Oral Presentation). Presented at 6th Annual International Conference of Indian Network for Soil Contamination Research (INSCR) on Microbes in Sustainable Development in association with ANDC, DDUC, Gargi College, KMC, Ramjas College, SV College, DU, PG Department of Zoology, Magadh University, CMP Degree College, Allahabad University, Phixgen Pvt. Ltd. Gurugram, November 15-18 at Department of zoology, DU.

6. Bhardwaj V., Maheshwari A\*. (2018). "*Epidermolysis Bullosa*". PS-4, O-4. National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
7. Gupta S., Manshi, Hareramadas B., Maheshwari A\*. (2018). "*Role of environment in diseases*". P7. National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
8. Sharma S., Singh A. P., Maheshwari A\*. (2018). "*Infertility due to lifestyle*". P9, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
9. Singh D., Kamar MD., Maheshwari A\*. (2018). "*Neurocysticercosis*". P10, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
10. Bansal U., Riaz S., Maheshwari A\*. (2018). "*Gastro Esophageal Reflux Diseases: therapy by lifestyle modifications*". P20, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002.
11. Hussain MS., Sagar JDS., Maheshwari A\*. (2018). "*Nutraceuticals and skin*". P36, National Conference on Diseases and Drugs: Emerging Trends and Challenges, January 31-February 1, 2018, Zakir Husain Delhi College, University of Delhi, New Delhi-110002. Best Poster Prize.
12. Gill N. & Maheshwari A.\* et al., 2015. *Effect of heavy metal and trace elements in water on human health status in Delhi-NCR region*. Page 36. Recent Trends in Biology, February 25, 2015, Maitreyi College, Univ. of Delhi, Delhi-110021. Organised under DBT star programme. Poster also won 2<sup>nd</sup> prize.
13. Aggarwal A., Misro M. M., Maheshwari A., Sehgal N., Nandan D. (2011). *N-Acetylcysteine intervention in-vivo reduces hCG induced oxidative stress and apoptosis in rat Leydig cells*. P-153. International Conference on Frontiers in Reproductive Biotechnology AND 21<sup>st</sup> annual meeting of the ISSRF-2011. February 9-11, 2011, NDRI, Karnal, Haryana-132001.
14. Maheshwari A., Misro M. M., Aggarwal A., Sharma R. K., Nandan D. (2010). "*N-Acetyl-L-cysteine partially reverses oxidative stress and apoptosis induced by H<sub>2</sub>O<sub>2</sub> through attenuating caspase-9 & JNK in primary culture of male germ cell*". pp-43. Poster Presentation (P-8). International Symposium on Endocrinology and Reproduction: Molecular Mechanisms to Molecular Medicine and 28th meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE-2010). February 4-6, 2010, Special Center for Molecular Medicine, Jawaharlal Nehru University, New Delhi-110067.
15. Aggarwal A., Misro M. M., Maheshwari A., Sehgal N., Nandan D. (2010) "*N-Acetylcysteine prevents hCG induced apoptosis through inhibition of caspase-8 and JNK in rat Leydig cells*". pp-45. (P-11) Poster Presentation. International Symposium on Endocrinology and Reproduction: Molecular Mechanisms to Molecular Medicine and 28th meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE-2010). February 4-6, 2010, Special Center for Molecular Medicine, Jawaharlal Nehru University, New Delhi-110067.
16. Maheshwari A., Misro M. M., Aggarwal A., Sharma R. K., Nandan D. (2009). "N-



Acetylcysteine prevents H<sub>2</sub>O<sub>2</sub> induced oxidative stress and male germ cell apoptosis through attenuation of activities of caspase-9 and JNK". pp-39. XV Annual Congress of Society of Andrology: India, December 20-22, 2009, Dept. of Biotech., MPG Mahavidyalaya, Jodhpur.

17. Aggarwal A., Misro M. M., Maheshwari A., Sehgal N., Nandan D. (2009). "*N-Acetylcysteine counteracts hCG induced rat Leydig cell apoptosis in vitro by inhibiting caspase-8 and JNK*". pp-22 Poster Presentation. XV Annual Congress of Society of Andrology: India, December 20-22, 2009, Dept. of Biotech., MPG Mahavidyalaya, Jodhpur.
18. Misro M. M., Aggarwal A., Maheshwari A. and Nandan D. (2009). "N-acetylcysteine differentially regulates molecular mechanism leading to oxidative stress induced apoptosis in testicular cells". pp-18 (IL-3). National Symposium on Comparative Endocrinology and Reproductive Physiology: Current Advances. December 17-19, 2009, Department of Zoology, The Institute of Science, 15, Madam Cama Road, Mumbai-400032 under the auspices of Indian Society for Comparative Endocrinology.
19. Maheshwari A., Misro M. M., Aggarwal A., Sharma R. K., Nandan D. (2009). "*Pathways involved in testicular germ cell apoptosis induced by H<sub>2</sub>O<sub>2</sub> in vitro*". Poster Presentation, International Conference on Novel Updates in Reproductive Biology and Comparative Endocrinology and the 27th annual meeting of the society for reproductive biology and comparative endocrinology (SRBCE-xxvii), January 19-21, 2009, University of Hyderabad, Hyderabad.
20. Aggarwal A., Misro M. M., Maheshwari A., Sehgal N., Nandan D. (2009): "*Desensitization of rat Leydig cells in vitro leads to apoptosis through extrinsic pathway*". Poster Presentation. International Conference on Novel Updates in Reproductive Biology and Comparative Endocrinology and the 27th annual meeting of the society for reproductive biology and comparative endocrinology (SRBCE-xxvii), January 19-21, 2009, University of Hyderabad, Hyderabad.
21. Bhakta G., Maheshwari A., Maitra A. N., and Shrivastava A. (2007): "*Efficient Presentation of Nanoparticle Encapsulated DNA Vaccine by Macrophages*". pp-177. Poster Presentation: D2-105, Proceedings of 30th All India Cell Biology Conference & Symposium (30th AICBC-2007), Department of Zoology, University of Delhi, Delhi-110007.
22. Maheshwari A., Kumar S. and Shrivastava A. (2007): "*Activation of Macrophages with N-formyl-methionyl-leucyl-phenylalanine: Involvement of Protein Kinase C and tyrosine Kinase*". pp-178, Poster Presentation (D2-P106). Proceedings of 30th All India Cell Biology Conference & Symposium (30th AICBC-2007), Department of Zoology, University of Delhi, Delhi-110007.

### **Workshops/Training Programs Attended**

23. Online Training Program/A certificate course on "Foundation of Machine Learning", organized by Zakir Husain Delhi College, University of Delhi, from 18 March- 08 May 2024.
24. Online Training Program cum workshop on 'GIS Mapping for Disaster Mitigation and Risk Reduction' organized by Centre for Environmental Studies and Disaster Management, Miranda House in Collaboration with National Institute of disaster Management, from May 9-11, 2023.
25. One day online workshop on 'Planning and Writing Grant Proposal' under DBT Star College Scheme organized by Sri Tikaram Kanya Mahavidyalaya, Aligarh in collaboration with

26. Five weeks National Workshop on “Statistical Analysis of Biological Data” with A+ grade, organized by Department of Botany, Zakir Husain Delhi College, University of Delhi from January 17 -February 21, 2022.
27. Workshop on “Application of Biotechnology, Bioinformatics and Biostatistics tools for Science Students” organized by Zakir Husain Delhi College, University of Delhi under the aegis of DBT-STAR College Scheme from December 20-24, 2021.
28. Online workshop on 'CRISPR-Mediated Plant Genome Editing' organized under the aegis of DBT Star College Scheme by Department of Botany, Shivaji College along with Global Plant Council, in collaboration with ICAR-National Rice Research Institute, Cuttack and Shree Guru Gobind Singh Tricentenary (SGT) University, Gurugram from September 27 to October 1, 2021.
29. Online Webinar cum Workshop on “Development and Use of Molecular Markers for Crop Improvement” held on November 26th 2020, organized by Department of Zoology, Kirori Mal College, University of Delhi, under the aegis of IQAC and DBT Star College Scheme and hosted by Genomics-assisted Breeding Laboratory, National Institute of Plant Genome Research (NIPGR), New Delhi on 26 November 2020.
30. International Online Workshop cum-Webinar entitled "VISUAL NOTE-TAKING " held on 8th October, 2020 organized by the Chemistry Department, Zakir Husain Delhi College in collaboration with Internal Quality Assurance Cell.
31. National Workshop on “Biostatistics”, March 9-10, 2017, at Zakir Husain Delhi College, University of Delhi, New Delhi-110002, organized by Dept. Botany & Mathematics, Sponsored by UGC, DRDO and Bodh Foundation.
32. Workshop on “Bioinformatics and Molecular Modelling in Drug Design”, January 21-23, 2016, at Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi, Delhi-110007.
33. Training Workshop in “Animal Behaviour” for college teachers, August 19-25, 2015, at Department of Zoology, University of Delhi, Delhi-110007.
34. Training Course on “Application of Research Techniques in Reproductive Biomedicine”, November 1-12, 2010, November 16-27, 2009, November 17-28, 2008, December 3-14, 2007, National Institute of Health and Family Welfare, New Delhi-110067.
35. Workshop on “Application of Molecular Biology Techniques in Reproductive Biomedicine”, October 18-29, 2010, NIHFV, New Delhi-110067.

#### **Symposium/Conference/Webinars Participated/Attended**

1. Online international conference on "Science and Society" organized by Miranda House, University of Delhi, under the aegis of IQAC, MH, from February 23 to 25, 2022. Online Interdisciplinary International Seminar on 'Science and Society' from 22 February 2022 to 25 February 2022 organized by Miranda House, University of Delhi under the aegis of IQAC, MH, sponsored by CSIR, ICSSR.
2. International e-Symposium on ‘Intellectual Property Rights in Education and Research’ organized by Department of Zoology in association with the Department of Chemistry and Department of Commerce, Deen Dayal Upadhaya College under the aegis of Synapses,

Science Foundation, Covalence and Community, 16 February 2022

3. International Seminar On “Ecosystem Restoration” held on June 5th 2021, Organized by Geo-Crusaders: The Environmental Society, P.G.D.A.V. College & Department of Environmental Studies, P.G.D.A.V. College, University of Delhi.
4. International Dialogue on Ecological Restoration held on June 5th 2021, organized by hosing organizations Dept. of EVS, ML Sukhadia University, Udaipur & Agrawal Kanya Mahavidyalaya, Gangapur City, Rajasthan along with 40 partner associates (Under the aegis of International Consortium).
5. International Symposium on “Breast Cancer Awareness: Be Aware, Be Safe” on October 24th 2020 jointly organized by National Service Scheme, Unnat Bharat Abhiyan cell, Synapse (The zoological society), Miranda House in association with Dr. B R Ambedekar Centre for Biomedical Research, University of Delhi.
6. National Conference on “Application of Mathematical Tools in Social Sciences and Sciences” held on October 17-18, 2020 organized by Zakir Husain Delhi College, University of Delhi.
7. National Webinar on “Let’s Build Wellness-Than Treating Disease” on 26 September 2020 organized by Srishti Chetna (Zoological Society), Hansraj College, University of Delhi.
8. Webinar on National Education Policy-2020 on 29 September 2020 organized by National Service Scheme and Unnat Bharat Abhiyan Society of Shaheed Rajguru College of Applied Sciences for Women, University of Delhi.
9. National Webinar on “Cyber Hygiene for Virtual Teaching Platforms” organized by Department of Botany, Maitreyi College, University of Delhi, under the aegis of Internal Quality Assurance Cell (IQAC), on 03 October 2020.
10. National Webinar on “Developing a potent vaccine against the SaRs-CoV2: Feasibility & Challenges” organized by Maitreyi College, University of Delhi, under the aegis of Science Setu on 07 October 2020.
11. Webinar on “Journey of a Biologist: Exploring the Extreme” on 9 October 2020 organized by Department of Botany, Deshbandhu College, University of Delhi.
12. Symposium on “National Education Policy & Open Digital Education” organized by Institute of Lifelong Learning, University of Delhi, from 12 to 13 October 2020.
13. National Webinar on “The Soil Story for Earth’s Sake” on 13 October 2020 organized by Hansraj College, University of Delhi.
14. National webinar on “Restoring Biodiversity for Environment Sustainability & Seasonality of Gardens” organized by Kalindi College, University of Delhi, on 15 October 2020.
15. National Webinar on “Wasteland Management Through Aromatic Plant Cultivation” organized by Eco Club-PRAKRITI, Maitreyi College, University of Delhi on 16 October 2020.
16. International Webinar on “World Food Programme (WFP) - A journey to the Nobel Peace Prize 2020” organized by Deen Dayal Upadhyaya College, University of Delhi, under the aegis of IQAC and DBT Star College Scheme on 20 October 2020.
17. National Webinar on “Cybercrimes : Prevention and Mitigation in the Digital Era” organized under by Short Term Courses Committee, Maitreyi College, University of Delhi on 22 October 2020.

18. National Webinar on “The Splendour of Orchids” held on September 25, 2020, organized by Department of Botany, Maitreyi College, University of Delhi.
19. National Webinar on “Global Ozone Day” held on 16 September 2020, organized by Atma Ram Sanatan Dharma College, University of Delhi.
20. Online National Webinar on “Clean Yamuna: A Gateway Towards Cancer Prevention” held on 14 September 2020, organized by Shaheed Rajguru College of Applied Sciences for Women, University of Delhi
21. National Webinar on “Intellectual Property Rights” held on 29 August 2020, organized by Sri Venkateshwara College, University of Delhi.
22. Webinar on “Immunology of Covid-19” held on 5 August 2020, Organized by Department of Zoology, Gargi College, University of Delhi
23. National Webinar on “Tinkering with Plant Genomes” held on 6 July 2020, organized by Department of Botany, Miranda House, University of Delhi
24. International Webinar Series on ‘Vector Borne Diseases: Current Scenario’ on 30 June-1 July 2020, organized by Department of Zoology, Maitreyi College, University of Delhi.
25. International Webinar on COVID-19: TRUTHS AND MYTHS on 9th June 2020 Organized by Internal Quality Assurance Cell, Acharya Narendra Dev College, University of Delhi.
26. International Conference on “Drug Development, its Challenges and The Role of Nutrition in Immunoboosting against Covid-19”, May 20, 2020, organized by Department of Zoology, Kalindi College, University of Delhi.
27. Online conference on “Environmental Pollutants and Cancer” on May 20-21, 2020, organized by School of Life Sciences, Central University of Himachal Pradesh, Shahpur, H.P.
28. National Symposium on “Environmental Contamination and Public Health”, August 24, 2015, organized by Zakir Husain Delhi College, University of Delhi, Delhi-110002.
29. National Symposia on “Recent Advances in Immunology” under the aegis of Indian Immunology Society-CME Programme at INSA auditorium, July 17-18, 2014, conducted by Department of Zoology, Miranda House, University of Delhi-110007.
30. International Symposium on “Endocrinology and Reproduction: Molecular Mechanisms to Molecular Medicine” and 28th meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE-2010), February 4-6, 2010, Special Center for Molecular Medicine, Jawaharlal Nehru University, New Delhi-110067.
31. International Conference on “Novel Updates in Reproductive Biology and Comparative Endocrinology” and the 27th annual meeting of the society for reproductive biology and comparative endocrinology (SRBCE-xxvii), January 19-21, 2009, University of Hyderabad.
32. 30th All India Cell Biology Conference & Symposium on “Molecules to Compartments: Cross-Talks & Networks”, February 2-4, 2007, Department of Zoology, University of Delhi, Delhi-110007.

#### **Other academic activities**

1. Mentor (Under Mentor-Mentees program) to Zoology students, 2023-till now at Zakir Husain Delhi College, University of Delhi.

- 2.** Mentor (Under Mentor-Mentees program) to 3rd Year Zoology students, 2017-18 and Zoology & Life Sciences students 2021-22 at Zakir Husain Delhi College, University of Delhi.
- 3.** Co-convenor of Zoological Society 'Synapses' during 2011-12 at DDU College, New Delhi-110015.
- 4.** Performed role of Judge in various Programs and Cultural activities of Department and College at Zakir Husain Delhi College (2011-Till now).
- 5.** Organized Educational visit to National Museum, New Delhi-110001, on April 18, 2023, as part of Evolutionary Biology curriculum.
- 6.** Organized Educational visit to National Museum, New Delhi-110001, on April 18, 2018, as part of Evolutionary Biology curriculum.
- 7.** Organized Educational visit to National Museum, New Delhi-110001, on March 31, 2017 as part of Evolutionary Biology curriculum.
- 8.** Teacher member, educational trip to Yamuna Biodiversity Park, Delhi, March 20, 31, 2015 as part of EVS curriculum.
- 9.** Teacher member, educational trip to Great Himalayan National Park, Kullu, Himachal Pradesh, October 8-12, 2014 as part of Ecology curriculum.
- 10.** Teacher member, educational trip to Yamuna Biodiversity Park, Delhi, March 13, 2014 as part of EVS curriculum.
- 11.** Teacher member, educational trip to Ranthambhore National Park, Sawai Madhopur, Rajasthan, October 6-11, 2013 as part of Ecology curriculum