

# CURRICULUM VITAE



**NAME :** **DR. WAHIED KHAWAR BALWAN**

*M.Sc., Ph.D., D. Litt., D.Sc., PDF-H, FSLSc., FZSI, FAELS, FBPS, FSASS, FABRF, FGESA, FC-ISCA, FIARA, FAETDS, SEFM, FGT, FIOR, FGAS, FIOASD, FIJAVFAAS, FGIER*

**FATHERS NAME :** **KHURSHEED AHMED BALWAN**

**MOTHERS NAME :** **AMINA BALWAN**

**DATE OF BIRTH :** **31-07- 1980**

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**CORRESPONDANCE ADDRESS :** **ASSOCIATE PROFESSOR  
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**Google Scholar h-index :** **11**

**Google Scholar i10 index:** **13**

## **SCHOLASTIC DETAILS**

- **Ph.D.** in Zoology with specialization in Genetics from Department of Zoology, University of Jammu, Jammu, J&K, 180006 in 2008.
- **Master of Science** in Zoology (with Distinction and Specialization in Cell Biology & Cytogenetics) from Department of Zoology, University of Jammu, Jammu in 2003.
- **Bachelor of Science** with Zoology, Botany, Chemistry and Gen English from Govt. Gandhi Memorial Science College Jammu, (J&K) in 2001.

## **PRESENT OCCUPATION**

**ASSOCIATE PROFESSOR, DEPARTMENT OF ZOOLOGY, GOVT. DEGREE COLLEGE DODA, DODA, JAMMU & KASHMIR, INDIA.**

## **Ph.D. THESIS TOPIC**

Worked on the research topic “Study of Chromosomal Aberrations in Peoples suffering from Genetic Diseases” from Department of Zoology, University of Jammu.

## **REFRESHER /FDP/ORIENTATION COURSES ATTENDED : 22**

1. Participated in the six day online short term / faculty development programme on climate change, energy resources and natural hazards organised by MMTTC, IIT Dhanbad, Jharkhand from 13<sup>th</sup> to 18<sup>th</sup> January 2025.
2. Participated in One week Short training programme on NEP-2020: Necessitating Change in Management of Higher Education organised by Department of Buisness Administration, Assam University Silchar under the aegis of UGC-MMTTC, Assam University, Silchar during November 21-26, 2024.
3. Participated in One Week Short Term Course on Water Management and Traditional Knowledge System under Malaviya Mission Teacher Training Programme of UGC organised by University of Allahabad from 16<sup>th</sup> October 2024 to 22<sup>nd</sup> October 2024.
4. Participated in NEP 2020 Orientation & Sensitization Programme on Academic Leadership under Malaviya Mission Teacher Training Programme of UGC organised by Central University of Jammu, Jammu, UT of J & K from 15<sup>th</sup> May 2024 to 23<sup>rd</sup> May 2024.
5. Participated in NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme of UGC organised by University of Jammu, Jammu, UT of J & K from 12<sup>th</sup> April 2024 to 19<sup>th</sup> April 2024.
6. Participated in the Faculty Development Programme (Refresher Course) organised by Cluster University Jammu from 26<sup>th</sup> October to 8<sup>th</sup> November 2023.
7. Participated in the International virtual faculty development programme on Research Methodologies organised by AVP College of Arts and Commerce Turuppur Tamil Nadu and cape comorin trust, India from 25-31 August 2023.
8. Participated in the International short term training programme-IX on Environment Pollution organised by Raj Rishi Govt Autonomous College, Alwar, Rajasthan, India under aegis of RUSA 2.0 from 5<sup>th</sup>-11<sup>th</sup> June 2023.
9. Participated in the 10 day virtual international Faculty Development Programme (FDP) on Multidisciplinary Research methodology organised by GCW, Bhagwati Nagar, Jammu from April 24 to May 03, 2023.

10. Participated in the One week virtual international Faculty Development Programme (FDP) on Research Methods, Tools and techniques for Multidisciplinary Research Design organised by Govt. SPMR College of Commerce, J and K, India from 20-26 February, 2023.
11. Participated in the 7 day online Faculty Development Program on 'Tool Construction' organised by Indian Teacher Education Community, Indore (MP) from 20-26<sup>th</sup> November 2022.
12. Attended One week National level e-Faculty Development Programme on 'Intellectual Property Rights' organised by GDC Poonch, CSIR-IMMT, Ministry of Science & Technology Bhubaneswar and Attitude Change International Darhal Malkan Rajouri from 25-30 July 2022.
13. Attended online two week Refresher course in Zoology from 25<sup>th</sup> April 2022 to 9<sup>th</sup> May 2022 with Grade A organised by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Miranda House University of Delhi under the aegis of Ministry of Education, Pandit Maidan Mohan Malaviya National Mission on Teachers and Teaching.
14. Attended Faculty Development Program on Building Academic Leaders for 21<sup>st</sup> Century Higher Education from 14<sup>th</sup> April 2022 to 20<sup>th</sup> April 2022 organised by Guru Angad Dev Teaching Learning Centre of Ministry of Education, Govt. of India.
15. Participated in Faculty Development Program on Organic Farming Technology from 2<sup>nd</sup> March 2022 to 7<sup>th</sup> March 2022 organised by UGC-HRDC, Jai Narain Vyas University, Jodhpur, Rajasthan.
16. Attended online two week Refresher course in Life Sciences from 01-15 September 2021 with Grade A<sup>+</sup> organised by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Miranda House University of Delhi under the aegis of Ministry of Education, Pandit Maidan Mohan Malaviya National Mission on Teachers and Teaching.
17. Attended Professional Developmental Course (online) from 21-November-2020 to 05-December-2020 on 'Refresher Course-Zoology' organized by Edwin Online School of Learning , Registered with MSME, MHRD New Delhi India.
18. Attended e-refresher course on 21<sup>st</sup> century: The Era of Biotechnology-To innovate by Advanced Biotechnology Learning from 3<sup>rd</sup> September to 28<sup>th</sup> October 2020 organised by Department of Biotechnology, AKS University Satna, Madhya Pradesh.
19. Attended Professional Developmental Course (online) from 11-12-2019 to 25-12-2019 on 'Refresher Course-Zoology' organized by Edwin Online School of Learning associated with Edwin Incorporation India.
20. Participated in the ID Three weeks Refresher Course in Environmental Sciences from 27-11-2017 to 18-12-2017 at UGC Human Resource Development Centre, University of Jammu and obtained grade 'A'.
21. Participated in the UGC-Sponsored Refresher Course in the subject Life Sciences from 15-02-2012 to 06-03-2012 at UGC Academic Staff College, University of Jammu and obtained grade 'A'.
22. Participated in the UGC-Sponsored General Orientation Course from 21-02-2011 to 24-03-2011 at UGC Academic Staff College, University of Jammu and obtained grade 'A'.

## **WORKSHOPS ATTENDED : 15**

1. Participated in two day workshop on 'Modern pedagogical techniques emphasizing on student centric learning in engineering education' at Centre for essential Skills, IIT Jammu from Feb. 24-25, 2025.
2. Participated in three day workshop on 'Capacity building in innovative pedagogy for implementation of NEP-2020' from February 20-22, 2025 at University of Jammu organised by Malaviya Mission Teacher Training Centre and Skill incubation Innovation Entrepreneurship Development Centre, University of Jammu.
3. Attended three day International Workshop on Research Methods, Tools and Techniques for Research Design organised by IQAC, Mendipathar College, Mendipathar, Meghalaya and Cape Comorin Trust, India from 15-17 May 2023.

4. Attended three day International Workshop on Research and Publication organised by Nirmala Memorial Foundation College of Commerce and Science, Kandivali East Mumbai, Maharashtra and Andhra Loyola Institute of Engineering and Technology, Vijawada, Andhra Pradesh and Cape Comorin Trust, India from 29-31 May 2022.
5. Attended National Workshop on Research Methodology held from 15<sup>th</sup> – 30<sup>th</sup> June 2021 Organised by School of Business Studies in collaboration with Faculty Induction Development (FIDC), Central University of Jammu, Jammu & Kashmir, India.
6. Participated in One Week Online workshop on 'Leveraging Education for Harnessing Entrepreneurship, Research and Innovation' from September 7 to 12, 2020 organized by Higher Education Department, J and K in collaboration with GIAN India.
7. Participated in one week Faculty Development Programme on 'Research Article writing and online academic presentation' from 17<sup>th</sup> to 23<sup>rd</sup> August 2020 organised by Department of Zoology & Biotechnology and IQAC of NAAC 'A' Graded Govt. Girls' PG College Ujjain, MP.
8. Participated in Two Week Online workshop on 'Comprehensive e-Learning to e-Training guide for Administrative Work' from May 25 to June 5<sup>th</sup> 2020 organised by Teaching Learning Centre, Ramanujan College, University of Delhi and MHRD Govt. of India.
9. Participated in five days Online Certificate Course on 'Research Methodology' organised by International Benevolent Research Foundation, West Bengal, India from 26<sup>th</sup> to 30<sup>th</sup> April 2020.
10. Participated in four days workshop on 'Hematological techniques' at Adarsh Institute of Management and Science, Dhamnod, Dhar, MP organised by AIMS and Zoological Society of India, Bodh Gaya from 17-20 January 2020.
11. Participated in Three Days National Workshop on "Research methodology" at Govt. College for Women, Parade, Jammu - an Autonomous College organized by Govt. College for Women Parade, Jammu and University Grant Commission from January 30<sup>th</sup> to February 1<sup>st</sup>, 2018.
12. Participated in One week workshop on "Practical Skill Enhancement in Zoology" organized by Department of Zoology, University of Jammu from January 9<sup>th</sup> to 17<sup>th</sup>, 2018 at University of Jammu.
13. Participated in One day Workshop on "Online Procurement through Government e-Marketplace (GeM)" at G.G.M. Science College Jammu, J & K organized by Internal Quality Assurance Cell (IQAC), GG.M. Science College, Jammu on December 20, 2017.
14. Participated in the 5<sup>th</sup> hands-on-workshop on "Prenatal and Postnatal Diagnosis of Genetic Disorders using Molecular Methods" from Nov. 7<sup>th</sup>–21<sup>st</sup>, 2005 at Department of Anatomy, Pediatrics and Hematology, All India Institute of Medical Sciences (AIIMS), New Delhi.
15. Attended the Practical Training Workshop on the "Establishment and Immortalization of Cells for Genetic studies" from Oct.25 to Oct. 29 2004 to be conducted by National Centre for Cell Science Pune in association with Centre for Genetic Disorders Guru Nanak Dev University, Amritsar.

## **CONFERENCES / SEMINARS/ SYMPOSIUM ATTENDED: 64**

1. Participated in International symposium on Research Publications and Projects 2024 organised by Center for Professional Advancement, India at Andhra Pradesh on December 21, 2024.
2. Participated and delivered invited lecture and act as Chairperson in 5<sup>th</sup> International conference on environment and society organised by Dr. RML Avadh University, Ayodhya (UP), India from 29-30<sup>th</sup> December 2023.
3. Participated and delivered a Invited lecture on 'Climate Change and Human Health' in Two Day International conference at Jiwaji University, Gwalior (MP) from 23-24 December 2022.
4. Participated and delivered a lecture on 'Climate Change and its Consequences' in Two Day National conference at National Research Centre on Camel (NRCC), Jabeer, Bikaner, Rajasthan from 16-17 September 2022.

5. Participated in National symposium on New Educational Policy 2022 organised by IMRF Institute of Higher Education & Research, India at IMRF Institute of Higher Education and Research, Vijayawada, Andhra Pradesh, India on September 5<sup>th</sup> 2022.
6. Participated in International seminar on Transforming Youth skills for the future 2022 organised by Center for Professional Advancement, India at International Youth Hostel Conference Hall, Mysore, Karnataka, India on World Youth Skills Day 2022 (July 22<sup>nd</sup>, 2022).
7. Participated and presented paper in 2-days International Webinar on Climate Change and its Impact on Ecosystem: Mitigation and Adaptation in collaboration with International Foundation for Ecology and Environment Kolkata (IFEE), Bhairab Ganguly College, West Bengal and Department of Zoology, GDC Kilhotran, Doda from 10<sup>h</sup> to 11<sup>th</sup> June 2022.
8. Attended and Presented Paper on Karyotypy in Diagnosis of Chromosomal Disorders and chaired a session in 3- Day International Multidisciplinary Educational Conference 2022 organised by IBRF. Kolkata West Bengal, and Confederation of Indian Universities, New Delhi held on 23-25 June 2022 at Goa.
9. Attended and Delivered lecture as Plenary Speaker in International Webinar on ways to save planet earth organised by International Academy of Science & Research (IASR), Kolkata West Bengal, GDC Doda and Scientific and Environmental Research Institute (SERI) Kolkata West Bengal held on 22-23 April 2022.
10. Attended and delivered a lecture as Plenary Speaker in 7<sup>th</sup> International Conference on Environment and Ecology (ICEE)organised by International Foundation for Ecology and Environment Kolkata, Department of EVS Bharathiar University Coimbatore Tamil Nadu and Department of Zoology PG College Bhaderwah, Jammu Kashmir held on 26<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup> November 2021.
11. Attended and delivered an Invited lecture in 3-days International Web Conference on Covid-19 Second wave: Challenges for sustainable development (CCSD 2021) on 14<sup>th</sup> September 2021 organised by Asian Biological Research Foundation, Prayagraj, UP, India, Samrat Prithviraj Chauhan Govt. College, Ajmer Rajasthan, Govt KRG PG Autonomous College Gwalior, MP and Glocal Environment and Social Association, New Delhi held on 13, 14 and 15<sup>th</sup> September 2021.
12. Attended and delivered a lecture as Plenary Speaker in International Conference on Ecology, Restoration and Management organised by International Academy of Science and research (IASR), Kolkata, West Bengal, Barrackpore Rastraguru Surendranath College, West Bengal and Scientific and Environmental Research Institute (SERI) Kolkata held on 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> June 2021.
13. Attended and delivered a lecture as Plenary Speaker in International Conference on recent advances in Freshwater Aquaculture (RAFA 2021) organised by Department of Zoology, Sunderrao Solanke Mahavidyalaya Majalgaon, Nepal Aquaculture Society and Asian Biological research Foundation, Prayagraj, UP.
14. Attended two days Global Social Science Congress organised by Indian Academic Researchers Association, Tamil Nadu, from 26<sup>th</sup> to 27<sup>th</sup> December 2020.
15. Attended and delivered talk three days International Web conference (IWC-2020) on Safe Water, Health and Hygiene organised by GESA, New Delhi, ABRF, Prayagraj, GDC Bhaderwah J and K from 9<sup>th</sup> to 11<sup>th</sup> November 2020.
16. Attended and presented paper two days International Web conference on Perspective on agricultural and applied sciences in COVID-19 scenario (PAAS-2020) organised by AETDS, Uttarakhand, India from 4<sup>th</sup> to 6<sup>th</sup> October 2020.
17. Attended and delivered talk 3<sup>rd</sup> International E-Conference on Challenges and tools for Environmental Science, Biodiversity Conservation and ecosystem Management in Modern Era organized by Department of Biotechnology and Microbiology, Kalp Laboratories, Mathura from 19<sup>th</sup> to 20<sup>th</sup> September 2020.

18. Attended and presented paper 2<sup>nd</sup> International E-Conference on Emerging Innovation and Advancement in Biological Sciences, Human welfare in Current era organized by Department of Biotechnology and Microbiology, Kalp Laboratories, Mathura from 25<sup>th</sup> to 27<sup>th</sup> July 2020.
19. Attended and delivered Invited Talk in Global Web Conference on 6<sup>th</sup> June 2020 organised by Govt. PG College Saidabad, Prayagraj, Up and GESA New Delhi on 6<sup>th</sup> June.
20. Attended and Presented Paper in National Online conference organised by ESDA, New Delhi and Dr. Bhim Rao Ambedkar College, University of Delhi, Delhi on 5<sup>th</sup> June 2020.
21. Attended Live Webinar on 'Basic Concept of Zoology and Environment' organised by Adarsh Institute of Management & Science, Dhamnod, Zoology Society of India, Society of Life Science, Satna and Department of Zoology, Barkatullah University Bhopal on May 27<sup>th</sup>-28<sup>th</sup> 2020.
22. Attended in National Webinar entitled Impact of Covid-19 on environment organised by Department of Zoology, Paliwal College, Shikohabad on May 25<sup>th</sup>, 2020.
23. Participated in 107<sup>th</sup> Indian Science Congress at University of Agricultural Sciences, GKVK Campus, Bangalore, Karnataka from 3-7<sup>th</sup> January 2020.
24. Participated and Delivered Invited Lecture, also acted as Chairperson in 1<sup>st</sup> International Conference on Environment and Society from 22<sup>nd</sup> to 23<sup>rd</sup> December 2019 organized by, Glocal Environment & Social Association (GESA), New Delhi and HBTU, Kanpur at Harcourt Butler Technical University Kanpur.
25. Participated and presented research paper in 9<sup>th</sup> International Science Congress from 8<sup>th</sup> to 9<sup>th</sup> December 2019 at Bhillai Institute of Technology, Durg Chhattisgarh, India organized by International Science Community Association in association with BIT, Durg, Chhattisgarh.
26. Participated and Delivered Invited Lecture, also acted as Chairperson in International Conference on Recent Trends in Science, Technology, Agriculture and Management from 20<sup>th</sup> to 21<sup>st</sup> October 2019 organized by Society For Science and Nature Lucknow, FDDI, Amethi, UP, Glocal Environment & Social Association (GESA), New Delhi and Asian Biological Research Foundation (ABRF) Prayagraj, India at FDDI, Amethi, UP.
27. Participated and delivered talk in 3<sup>rd</sup> International Conference on Global Initiative in agricultural and Applied Sciences for Ecofriendly Environment (GIASE-2019) from June 16-18, 2019 organized by AETDS at Tribhuvan University, Kathmandu, Nepal.
28. Participated and Delivered Invited Lecture, also acted as Chairperson in Global Conference on Our Diversity, Our Food and Our Health from 21<sup>th</sup> to 22<sup>st</sup> May 2019 organized by Glocal Environment & Social Association (GESA), New Delhi and Botanical Survey of India, Prayagraj, UP
29. Participated and Presented a Research Paper in International Conference on Advances and Innovations in Biotechnology for Sustainable Development (AIBioSD) from 5<sup>th</sup> -7<sup>th</sup> April 2019 organized by Department of Biotechnology Faculty of Life Science & Technology, AKS University, Satna (MP).
30. Participated and Presented a Research paper in International Conference on Advances in Zoological Research (ICAZR) and Workshop on Real-Time PCR organized by Department of Zoology, Aligarh Muslim University, UP, India during March 9-10, 2019.
31. Participated and presented a research paper in 5<sup>th</sup> International conference on Environment and Ecology from 18<sup>TH</sup> to 20<sup>TH</sup> February 2019 organized by International Foundation for environment and Ecology Kolkata India and Confederation of Indian Universities (CIU), New Delhi at Christ College, Pune Maharashtra.
32. Participated and Delivered Invited Lecture, also acted as Co-Chairperson in International Symposium on Recent Trends and experimental approaches in Science, technology, Nature and Management organized by Society For Science and Nature Lucknow, School of Retail Management FDDI, Jodhpur and Oura Prakashan Publishers at FDDI, Jodhpur, Rajasthan from 23-24<sup>th</sup> December 2018.

33. Participated and Acted as Chairperson in a session in two Days International Conference on "The message of Benevolence, Love and Peace in Indo-Pak Urdu Literature" organized by Department of Urdu, Govt. Degree College Doda from 26-27 September 2018.
34. Participated and Delivered Invited Lecture, also acted as Co-Chairperson in International Symposium on Indiscriminate Development: Current Scenario and Socio-environmental challenges (IDCSC-2018) from 18<sup>TH</sup> to 19<sup>TH</sup> March 2018 organized by Blue Planet Society Allahabad UP, Botanical Survey of India, CRC, Allahabad and Govt. PG College, Saidabad Allahabad, UP.
35. Participated and Delivered Lecture in International Conference on Science, Technology and Social Humanities (ICSTSH-2018) from 26<sup>TH</sup> to 28<sup>TH</sup> February 2018 organized by Department of Zoology, School of Life Sciences, Dr. Bhimrao Ambedkar University, Agra in collaboration with Society of Life sciences, Satna, MP.
36. Participated and Acted as Chairperson in a session in an "One Day national Seminar on Role of Language and literature in Global Peace" organized by Department of Urdu, Govt. Degree College Doda on 23-12-2017.
37. Participated in the International Mountain Day, 2017 with theme "Mountains under pressure Climate, Hunger and Migration" held on 11<sup>th</sup> December, 2017 at Department of Environmental Science, University of Jammu organized by J & K State climate change Centre, Department of Ecology, Environment & remote Sensing.
38. Participated in one day National symposium on Educational Excellence and Award ceremony organized by Innovative Research Developers and Publishers (IRDP) Group of Journals, Chennai during at Chennai on 14<sup>th</sup> October 2017.
39. Participated in International Conference on "Ecosystem Responses to Global Environmental Changes and their Impact" (ERGECI) being organized by the P.G. Department of Zoology, AIMS, Dhamnod & School of Life Sciences Devi Ahilya Vishwavidyalaya Indore (India) in collaboration with Zoological Society of India, February 16-18, 2017.
40. Participated and Presented a paper in 2<sup>nd</sup> National conference on "Change in Cryosphere its Impact on Ecosystem Services and Rural Livelihoods: Climate Change, Agricultural and Sustainable Development in the Himalayan Region" organized by Institute of Mountain Environment Bhaderwah Campus, Jammu University from 21-22 November 2016.
41. Participated in National Conference on "Environmental impact on health and management" and XVII All India Congress of Zoology" at Department of Zoology University of Rajasthan, Jaipur organized by Zoology Society of India, Bodh Gaya and University of Rajasthan from February 08-10, 2016.
42. Participated in National Seminar on Science and Technology for Human Development organized by Department of Zoology, University of Jammu in collaboration with Indian Science Congress Association, Kolkata from March 25-27, 2015.
43. Participated in 10<sup>th</sup> JK Science congress organized by University of Jammu, Jammu in collaboration with J & K State Council for Science and Technology, Govt. of J & K from March 14-16, 2015.
44. Participated in the 102<sup>nd</sup> Indian Science Congress held at University of Mumbai, Mumbai from January 2-7, 2015.
45. Participated in 2<sup>nd</sup> National Symposium on Interdisciplinary Science (NISS) organized by Govt. Gandhi Memorial Science College, Jammu (J&K) from February 27-28, 2015.
46. Participated in National seminar on "Threats to biodiversity and ecosystems" Impacts of developmental projects and climate change and 25<sup>th</sup> All India Congress of Zoology" at Department of Zoology and environmental Sciences, Gurukula Kangri Vishwa vidyalaya, Haridwar organized by Zoology Society of India, Bodh Gaya and Indian Academy of EVS, Haridwar from November 17-19, 2014.
47. Participated in one day seminar on "Biodiversity and its management for food, livelihood and Environmental security" organized by Department of Zoology, GDC Doda in collaboration with the Himalayan Ecological and Conservation Research Foundation (HECRF) on December 18, 2013.

48. Participated in "101<sup>st</sup> Indian Science Congress on Innovations of Science & Technology organized by University of Jammu from February 3<sup>rd</sup> to 7<sup>th</sup>, 2014.
49. Participated in "24<sup>th</sup> All India Congress of Zoology & National Conference on Biodiversity and its Management for Food , Livelihood and Environmental security" organized by Department of Zoology Kalyani University, Kolkata, and Zoological Society of India, Bodh Gaya from November 23<sup>rd</sup> to 25<sup>th</sup> 2013.
50. Participated in "23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of faunal Resources for sustainability (CMFRS 2012)" organized by Department of Advanced Zoology and Biotechnology, Guru Nanak College, Chennai and Zoological Society of India, Bodh Gaya from October 3<sup>rd</sup> to 5<sup>th</sup>, 2012.
51. Participated in 8<sup>th</sup> JK Science congress (JKSC-12) at University of Kashmir from 17<sup>th</sup> to 19<sup>th</sup> September 2012 organized by University of Kashmir, in collaboration with J&K State Council for Science and Technology.
52. Participated in "22<sup>nd</sup> All India Congress of Zoology & National Seminar on Recent Advances in Biological Sciences: Biodiversity and Human Welfare (NSBHW)" organized by University of Lucknow and zoological Society of India, Bodh Gaya from December 29-31, 2011.
53. Participated in 7<sup>th</sup> JK Science congress (JKSC-11) at University of Jammu from 13<sup>th</sup> to 15<sup>th</sup> October 2011 organized by University of Jammu, Jammu in collaboration with J&K State Council for Science and Technology.
54. Participated in 5<sup>th</sup> JK Science congress at University of Jammu from 8<sup>th</sup> to 10<sup>th</sup> February 2010 organized by University of Jammu, Jammu in collaboration with J&K State Council for Science and Technology.
55. Attended a CME cum Conference of Indian Association of Medical Microbiologists (MICROCON) North West Chapter on 21<sup>st</sup> February, 2009 at Department of Microbiology, Govt. Medical College Jammu.
56. Participated in 3<sup>rd</sup> J&K State Science Congress 2008 held at University of Jammu and Organized by University of Jammu, Jammu, in collaboration with Council of Science & Technology, J&K and Department Of Science & Technology, Govt. of India from 26<sup>th</sup> – 28<sup>th</sup> Feb. 2008.
57. Participated in the 18<sup>th</sup> All India Congress of Zoology & National Seminar on "Current Issues on applied Zoology and Environmental Sciences with Special References to Eco-restoration & Management of Bioresources (SCIAZE)" held at University of Lucknow from December 7-9, 2007.
58. Participated in the International symposium on Current Issues in Zoology and Environmental Science held at the DDU Gorakhpur University, Gorakhpur on 11-13 November, 2006 organized by the Departments of Zoology and Biotechnology, DDU Gorakhpur University, U.P.
59. Participated in 43<sup>rd</sup> All India Oriental Conference, Jammu held at Department of Sanskrit, University of Jammu, Jammu from 12-10-2006 to 14-10-2006.
60. Participated in the Symposium on "Molecular Medicine and Health" organized as a part of the 9<sup>th</sup> ADNAT (Organized by Association for the promotion of DNA Fingerprinting and other DNA Technology) Convention and 30<sup>th</sup> ISHG Conference during 20-23 February 2005, at Centre for Cellular and Molecular Biology (CCMB), Hyderabad.
61. Participated in "National Seminar on Technical Advances in Environment Management and Applied Zoology" at Kurukshetra University, Kurukshetra during 23-25<sup>th</sup> January, 2005.
62. Participated in Ist J&K State Science Congress "Science for Excellence and Self-Sufficient" Organized by University of Jammu, Jammu, in collaboration with Council of Science & Technology, J&K and Department of Science & Technology, Govt. of India, from 7<sup>th</sup> – 9<sup>th</sup> Feb. 2005.
63. Participated in 12<sup>th</sup> National Children's Science Congress-2004- held at Guwathi during 27-31 December 2004 as a Project Guide.



64. Participated in International Conference on Human Genetics (28TH Annual conference of Indian Society of Human Genetic “Human Genome and Genetic Disorder”, Organized by Department of Zoology, University of Jammu, Jammu, from 7<sup>th</sup> – 9<sup>th</sup> Feb. 2003.

## **CONFERENCE / SEMINAR / WORKSHOP ORGANISED 11**

1. Organised 1<sup>st</sup> International Conference on Nature and Natural sciences (ICNS-2023) on ‘New Vistas in green Technology and Socio-economic Sustainability from 5<sup>th</sup> to 6<sup>th</sup> May, 2023 as Co-Convener at Rani Durgavati University, Jabalpur, MP, India.
2. Organised 2 Day International conference on Environment and Society as Joint Organising Secretary from 23-24 December 2022 at Jiwaji University, Gwalior, MP.
3. Organised 2 Day National conference on Ozone Layer, Its Depletion and impact on Living Beings as Co-convener from 16-17 September 2022 at National Research Centre on Camel (NRCC), Jorbeer, Bikaner, Rajasthan.
4. Organised 2-days International Webinar on Climate Change and its Impact on Ecosystem: Mitigation and Adaptation in collaboration with International Foundation for Ecology and Environment Kolkata (IFEE), Bhairab Ganguly College, West Bengal and Department of Zoology, GDC Kilhotran, Doda from 10<sup>h</sup> to 11<sup>th</sup> June 2022.
5. Organised 3-days 7<sup>th</sup> International Conference on environment and ecology (ICEE) on theme ‘ Make India clean as well as cleaning up technologies’ in collaboration with International Foundation for Ecology and Environment Kolkata, Department of EVS, Bharatiar University Coimbatore Tamil Nadu and Department of Botany, St. Xavier’s College Ranchi Jharkhand from 26<sup>th</sup> to 28<sup>th</sup> November 2021.
6. Organised 3-days International Web Conference on Covid-19 Second wave: Challenges for sustainable development (CCSD 2021) from 13-15<sup>th</sup> September 2021 as Coordinator in association with Asian Biological Research Foundation, Prayagraj, UP, India, Samrat Prithviraj Chauhan Govt. College, Ajmer Rajasthan, Govt Kamla Raja Girls PG Autonomous College Gwalior, MP and Glocal Environment and Social Association, New Delhi.
7. Organised Three Days International Interdisciplinary Conference on ‘Covid-19: Challenges and Impacts on the Health, environment, Livelihood and Education’, from 28<sup>th</sup> to 30<sup>th</sup> May, 2021 as Convener / Organising Secretary in association with IBRF, Kolkata, CIU, New Delhi and SERI, Kolkata West Bengal.
8. Organised 4 days Virtual Workshop on ‘Agricultural Molecular Biology & Bioinformatics’ from 15<sup>th</sup> to 18<sup>th</sup> April 2021 in association with Department of Biotechnology & Microbiology, Kalp Laboratories, Mathura as Co-organizing Secretary.
9. Organised One Day Technical Workshop on Innovation, Incubation and training ‘Shaping the young Minds’ on 18-03-2021 in association with Department of HED, JK and GIAN at GDC Bhaderwah.
10. Organised Three Days International Web Conference (IWC-2020) on ‘Safe water, Sanitation and Hygiene for Health, from 9<sup>th</sup> to 11<sup>th</sup> November, 2020 as Convener in association with ABRF, Prayagraj, GESA, New Delhi and Nepal Aquaculture Society, Nepal and Dr. Rafiq Zakaria College for Women Aurangabad.
11. Organised 3<sup>rd</sup> International Web Conference on Challenges & tool for Environmental Science, Biodiversity Conservation, Sustainability and Ecosystem Management in Modern Era’ from 19<sup>th</sup> to 20<sup>th</sup> September, 2020 as Joint Organizing Secretary Department of Biotechnology & Microbiology, Kalp Laboratories, Mathura.

## **CAMPS ATTENDED 02**

1. Participated and delivered lectures on chromosomal disorders in the Public awareness camp on ‘Human Genetic Diseases’ organized by J&K State Council for Science and technology in collaboration with University of Jammu and govt. Medical college, Jammu, sponsored by

Rastriya Vigyan Evam Prodyogiki Sanchar Parishad /NCSTC, Department of Science and technology (DST), Govt. of India from 14<sup>th</sup> –19<sup>th</sup> Oct. 2004 at Leh (Ladakh).

2. Attended Annual Training Camp held at Mansar Lake from 5<sup>th</sup> September 2011 to 14<sup>th</sup> September 2011 organized by 1<sup>st</sup> J&K Naval Unit NCC Srinagar, J&K as Care Taker (C/T).

## **EXPERIENCES**

- Working as **Assistant Professor of Zoology in Higher Education Department, J & K Govt.** since May 2010.
- Worked as **Research Scientist cum Lecturer (Cytogeneticist)** at Human Genetic Research Cum Counseling Centre, University of Jammu/ Govt. Medical College Jammu from 1<sup>st</sup> November 2008 to December 2009.
- Worked as **Junior Research Fellow (JRF)** in Human Genetic Research Cum Counseling Centre from 08-04-2008 to 31-10-2008.
- Worked as **JRF** in DBT, GOI funded Project “Study of Genomic Diversity of Human Populations of North-West India” in Human Genetic Research cum Counseling Centre, Govt. Medical College, Jammu / Department of Zoology, University of Jammu, Jammu, from January 2004 to January 2008.

**RESEARCH EXPERIENCE : 17 Years**

## **TECHNIQUES ACQUAINTED WITH**

- Techniques of Blood Lymphocyte Culture
- Barr Body
- GTG Banding Technique
- Preparation, Culture and Analysis of Amniotic Fluid Samples
- Preparation of Metaphase Plates and Karyotyping
- Chorionic Villus sampling
- Fibroblast Culture
- Fluorescence in situ Hybridization (FISH) technique
- Establishment and Immortalization of Cell lines
- DNA Isolation from Blood
- Restriction Digestion
- Polymerase Chain Reaction
- Electrophoretic Technique
- Interpreting and Drawing Pedigree
- Zoology related Practical Exercises like Dissection of Cranial Nerves, Afferent & Efferent artery, Weberian ossicle, Swim Bladder, Preparation of Haematin crystals etc.

## **AWARDS / MEDALS/ CERTIFICATES OF APPRECIATION**

**65**

1. Awarded '**Certificate of Excellence**' by Administration, Govt. Degree College Doda, UT of Jammu & Kashmir on eve of Republic Day 2025 for Excellence in Research and Academics.
2. Awarded '**International Distinguished Research Excellence Award 2024**' by Center for Professional Advancement Continuous Education (CPACE), A unit of IMRF , GOI, NITI Aayog on December 21, 2024 at Vijaywada, Andhra Pradesh.

3. Awarded '**Distinguished Academician Award 2023**' by International Benevolent Research Foundation Kolkata during Two Day Internal conference organised by Govt. Degree College Doda, Jammu & Kashmir on 14<sup>th</sup> September 2023.
4. Awarded '**IRSD Prominent Educator Award 2023**' during International conference in Interdisciplinary Research for sustainable Development 2023 at Jamia Hamdard University, New Delhi on 30<sup>th</sup> May 2023.
5. Awarded '**Human Excellence Golden Award**' by the American University USA on 5<sup>th</sup> May 2023.
6. Awarded '**Dr. Sarvepalli Radhakrishnan Education Promotion Award 2022**' by Glocal Environment & Social Association at Jiwaji University Gwalior on 24<sup>th</sup> December 2022.
7. Awarded '**Indian Academic Leader Award 2022**' by International Research Association, London, England, United Kingdom.
8. Awarded '**National Elite Teacher Award 2022**' by International Institute of Organised Research Registered MSME with Ministry of MSME Govt. of India, on 5<sup>th</sup> September 2022.
9. Awarded '**Dr. Sarvepalli Radhakrishnan Best Faculty & Researcher Award 2022**' by International Multidisciplinary Research Foundation, IMRF Institute of Higher Education & Research, India on 5<sup>th</sup> September 2022.
10. Awarded '**Distinguished Academician Award-2022**' during two days national conference at GDC Doda by International Academy of Science and Research (IASR), Kolkata, India on 4<sup>th</sup> August 2022.
11. Awarded '**International Eminent Zoologist Award 2022**' by Center for Professional Advancement Continuous Education (CPACE), AP India on the eve of World Youth Skills Day July 22<sup>nd</sup> 2022.
12. Awarded '**International Multidisciplinary Education Excellence Award-2022**' during Indo Global Multidisciplinary Educational Conference 2022 organised by IBRF, Kolkota and Confederation of Universities New Delhi at Goa.
13. Awarded '**Asia Pacific Eminent Zoologist Award 2022**' by Ratna Prasad Multidisciplinary Research & Educational Society Rgd with Govt. Of India NITI Aayog, Govt. of AP, India on National Science Day 2022.
14. Awarded '**National Academic Excellence Award 2022**' on occasion of National Science Day 2022 by International Institute of Organised Research Registered MSME with Ministry of MSME Govt. Of India.
15. Awarded '**Netaji Subhash Chandra Bose Excellence Award 2022**' in the category of Education Excellence on 23<sup>rd</sup> January 2022 by World Achievers Foundation, Kolkota, West Bengal, India.
16. Awarded '**NESA Eminent Scientist of the Year Award-2021**' by National Environmental Science Academy, New Delhi on 12<sup>th</sup> December 2021.
17. Awarded '**Environment Excellence Award**' on 26<sup>th</sup> November 2021 by International Foundation for Ecology and environment, Kolkota.
18. Awarded '**Fellow of Global Academic Society (FGAS)**' on 5<sup>th</sup> October 2021 by Global Academic Society, Lucknow, UP India.
19. Awarded '**Indo Asian Eminent Teacher Award 2021**' by International Multidisciplinary Research Foundation, IMRF Institute of Higher Education and Research, Registered with Govt. Of India, NITI Ayog on 5<sup>th</sup> October 2021.
20. Awarded '**ESDA Academics Excellence Award 2021**' by Environment and Social Development Association (ESDA) Delhi during World Environment Summit 2021 on 3<sup>rd</sup> October 2021 at India International Centre, Lodhi Road New Delhi, India.
21. Awarded '**Certificate for outstanding contribution in the field of Research and Publication in Zoology**' on the occasion of Azadi Ka Amrit Mahotsav, 75 years of India's

- Independence, by Hon'ble Minister Rameshwar Teli, Minister of State, petroleum, Natural Gas, Labour and Employment, Government of India on 17<sup>th</sup> September 2021.
22. Awarded '**ABRF Excellence Award for Zoological Research**' during International Web conference CCSD 2021 on 15<sup>th</sup> September 2021 organised by Asian Biological Research Foundation, Prayagraj, UP, India, Samrat Prithviraj Chauhan Govt. College, Ajmer Rajasthan, Govt KRG PG Autonomous College Gwalior, MP and Glocal Environment and Social Association, New Delhi.
  23. Awarded '**IBRF Higher Education and Development Award-2021**' by International Benevolent Research Foundation, Kolkata on 5<sup>th</sup> September 2021.
  24. Awarded '**Indo Asian Distinguished Scientist Award 2021**' by International Multidisciplinary Research Foundation, IMRF Institute of Higher Education and Research, Registered with Govt. Of India, NITI Ayog on 15<sup>th</sup> July 2021.
  25. Awarded '**Global Teacher Award 2021**' during Global Edu-Conclave 2021 on 27<sup>th</sup> June 2021 organised by International Institute of Organised Research Registered MSME with Ministry of MSME GOI, Green ThinkerZ Society and Centre for Smart Modern Construction, Western Sydney University, Australia.
  26. Awarded '**Dr. Sarvepalli Radhakrishnan Teaching Excellence Award**' by International Benevolent Research Foundation, Kolkata during National Multidisciplinary Research Conference on March 2021 at Govt. KRPG College, Gwalior, Madhya Pradesh.
  27. Awarded '**Distinguished Assistant Professor Award**' by Lavender Literary Club, Kanyakumari, Tamil Nadu, India on 1<sup>st</sup> March 2021 for outstanding and exemplary contribution towards academic, education and research.
  28. Awarded '**International Educator Award-2021**' by Internal Institute of Organized Research, Registered MSME with Ministry of Micro, Small and Medium Enterprises, Government of India on 20<sup>th</sup> February 2021.
  29. Awarded '**SAS Eminent Fellow Membership (SEFM)**' by Scholars Academic and Scientific Society, Assam, India on 22<sup>nd</sup> February 2021.
  30. Awarded "**Certificate of Recognition**" for high standards of excellence in Public Service in the field of Education by District Administration Doda, UT of Jammu and Kashmir on the eve of Republic Day 2021.
  31. Awarded '**Eminent Zoologist Award**' by Asian Biological Research Foundation, Prayagraj, UP, India during International Web conference on Environment and Society on 28<sup>th</sup> December 2020.
  32. Awarded '**Best Faculty Award**' by Indian Academic Researchers Association, Tamil Nadu, India during Global Science Congress on 26<sup>th</sup> December 2020.
  33. Awarded '**Senior Scientist Award**' by Glocal Environment & Social Association (GESA), New Delhi during International Web Conference on 9<sup>th</sup> November 2020.
  34. Awarded '**Global Eminent Educator Award**' by Global Academic Society, Lucknow on 5<sup>th</sup> September 2020.
  35. Awarded '**Fellow Award-2020 (FAETDS)**' by Agricultural and Environmental Technology Development Society, Lucknow on the occasion of International web conference during October 4-6 2020
  36. Awarded "**Kalp-Life Time Achievement Award 2020**" by Department of Microbiology and Biotechnology, KALP Laboratories, Mathura and The Bouquet Society, Mathura during 3<sup>rd</sup> International e-Conference on 20 September 2020.
  37. Awarded '**Best Biology Professor of the Year award**' by Asian Education Award on 05-09-2020 during AEA Conference 2020.
  38. Awarded "**Researcher Excellence Award 2020**" by Institute of Scholars (InSc) Bangalore, Karnataka at College Level in June 2020.

39. Awarded "**Teacher of the Year Award-2020**" by Department of Microbiology and Biotechnology, KALP Laboratories, Mathura and The Bouquet Society, Mathura during 2<sup>nd</sup> International e-Conference on Emerging Innovation and Advancement in Biological Science, Human Welfare in Current Era (EIABSHWAR-2020) on 27 July 2020.
40. Awarded '**Honorary Doctor of Science**' (**D.Sc.– Honoris Causa**) in Zoology by Ballsbridge University, Republic of Dominica in 2020.
41. Awarded "**Teacher of the Year Award-2019**" by Agricultural Technology Development society (ATDS) during 3<sup>rd</sup> International Conference on Global Initiative in Agricultural and Applied Sciences for Ecofriendly Environment (GIASE-2019) at Tribhuvan University, Kathmandu, **Nepal on 16 June 2019**.
42. Awarded "**Best Teacher Award-2019**" by Institute of Scholars (InSc) Bangalore, Karnataka at College Level in November 2019.
43. Awarded '**Dr. Sarvepalli Radhakrishnan Education Promotion Award**' by Glocal environment & social Association during Global Conference on Our Biodiversity, Our Food and Our Health at BSI, Prayagraj, UP, India on 21<sup>st</sup> May 2019.
44. Awarded "**Excellence in Teaching Award**" by Society for Bioinformatics and Biological science (SBBS) during International Conference on Advances and Innovations in Biotechnology for Sustainable Development (AIBioSD) from 5<sup>th</sup> April 2019 organized by Department of Biotechnology Faculty of Life Science & Technology, AKS University, Satna (MP), Society of Life Sciences and SBBS.
45. Awarded "**Fellowship of Asian Biological Research Foundation, Prayagraj (FABRF)**" during international conference in Science, Technology, Agriculture and Management held at FDDI, Amethi, UP on 20<sup>th</sup> October 2019.
46. Awarded "**International Highest Published Book Award**" by International Science community Association, Indore, during 9<sup>th</sup> International Science Congress held at BIT, Durg Chhattisgarh on 8<sup>th</sup> December 2019.
47. Awarded "**Best Oral Presentation Award**" in **Biological Section** by International Science community Association, Indore, during 9<sup>th</sup> international Science Congress held at BIT, Durg Chhattisgarh on 8<sup>th</sup> December 2019.
48. Awarded "**Fellowship of Glocal Environment Social Association, New Delhi (FGESA)**" during 1<sup>st</sup> international conference on Environment and Society held at Harcourt Butler Technical University, Kanpur on 22<sup>nd</sup> December 2019.
49. Awarded "**Eminent Scientist Gold Medal**" by Society of Life Sciences, Satna, MP during three days Internal Conference on Science, Technology and Social Humanities organized by Department of Zoology, School of Life sciences, Dr. Bhimrao Ambedkar University Agra, UP in collaboration with Society of Life Sciences, Satna, MP on 26-02-2018.
50. Awarded Honorary "**D. Litt. Degree**" (Doctor of Letter) by University of South America in 2018.
51. Awarded "**Honorary Fellowship (FBPS) Award**" by Blue Planet Society, Allahabad during International Symposium on 18<sup>TH</sup> 2018 organized by Blue Planet Society Allahabad UP, Botanical Survey of India, CRC, Allahabad and Govt. PG College, Saidabad Allahabad, UP.
52. Presented "**Certificate of Recognition**" for high standards of excellence in Public Service in the field of Education by District Administration Doda, J & K Govt. on the eve of Independence Day 2018.
53. Awarded "**Scientist of the Year Award-2018**" by Society for Science and Nature, Lucknow at FDD Institute, Jodhpur, Rajasthan during two days International seminar on Recent trends and Experimental approaches in Science, Technology, Nature and Management.

54. Awarded "**Young Scientist of the Year Award-2018**" by International Foundation for Environment and Ecology at Christ College, Pune Maharashtra during 5th International seminar on Ecology and Environment held on 18-19-20 February 2019.
55. Awarded "**Teaching and Research Excellence Award-2017**" by Innovative Research Developers and Publishers (IRDP) Group of Journals, Chennai, India during one day National symposium on Educational Excellence and Award ceremony at Chennai on 14<sup>th</sup> October 2017.
56. Awarded "**Most Inspiring Teacher Award-2017**" in Chenab Valley through online voting system by Iqbal Memorial School, Bhabore, Doda Jammu & Kashmir.
57. Presented "**Certificate of Recognition**" for high standards of excellence in Public Service in the field of Education by District Administration Doda, J & K Govt. on the eve of Republic Day 2016.
58. Presented "**Appreciation cum Award certificate**" in recognition of outstanding and remarkable services in the field of education by Young Star Cricket Club Doda (NGO) registered with Registrar of societies, Govt. of J & K and affiliated with Nehru Yuva Kendra, Ministry of Youth Affairs and Sports, Government of India on 25-02-2016.
59. Conferred "**Bharat Jyoti Award and Certificate of Excellence**" for meritorious services, outstanding performance and remarkable role in Education sector at New Delhi on 9<sup>th</sup> June, 2016 organized by India International Friendship Society.
60. Awarded "**Congress of Zoology Gold Medal**" by Zoological Society of India, Bodh Gaya at BR Ambedkar Central "University on 28<sup>th</sup> October 2015. Award was presented by Hon'ble CM UP Sh. Akhilesh Yadav.
61. Awarded "**Innovative Best Science Teacher Award-2012**" at College Level by J & K State Council for Science & Technology, Department of Science & Technology, Government of Jammu and Kashmir.
62. Society of Life Sciences, Satna Madhya Pradesh, India conferred "**Fellow Award (FSLSc.)**" of the society for outstanding contributions in the field of Life Sciences on 2<sup>nd</sup> February 2012.
63. Academy for Environment and Life Sciences, Lucknow, India conferred "**Fellow Award (FAELS)**" in 2012.
64. Zoological Society of India, Gaya, Bihar, India conferred "**Fellow Award (FZSI)**" in 2012.
65. Adjudged "**1<sup>st</sup> in Oral Presentation**" in the section Life Sciences for presentation in the 3<sup>rd</sup> J&K State Science congress held during 26<sup>th</sup> to 28<sup>th</sup> of February 2008, held at University of Jammu, Jammu.

## **LECTURES AS INVITED/ PLENARY SPEAKER / RESOURCE PERSON 29**

1. Delivered a Lecture as Invited Speaker in 5<sup>th</sup> International Conference on Environment and Society organised by Dr. RML Avadh University, Ayodhya (UP) India on 29<sup>th</sup> December 2023.
2. Delivered a Lecture as Invited Speaker in International Conference on Environment and Society organised by Jiwaji University Gwalior, MP on 23<sup>rd</sup> December 2022.
3. Delivered a Lecture as Plenary Speaker in International Webinar on Ways to save Planet Earth organised by International Academy of Science & Research (IASR) Kolkata, West Bengal, Govt. Degree College Doda, J and K and Scientific and Environmental Research Institute (SERI), Kolkata West Bengal on 23<sup>rd</sup> April 2022.
4. Delivered an Invited Lecture as a resource Person on 'Karyotypy and its significance in Diagnosis of chromosomal disorders' during National Webinar organised by RKDF University, MP on 5<sup>th</sup> March 2022.
5. Delivered a Lecture as Plenary Speaker in 7<sup>th</sup> International Conference on environment and Ecology organised by International Foundation for Ecology and environment, Kolkata, Department of EVS,

- Bharathiar University Coimbatore Tamil Nadu and Dept of Botany Govt Kamla Raja Girls PG Autonomous College Gwalior, MP on 27<sup>th</sup> November 2021.
6. Delivered an Invited lecture in 3-days International Web Conference on Covid-19 Second wave: Challenges for sustainable development (CCSD 2021) on 14<sup>th</sup> September 2021 organised by Asian Biological Research Foundation, Prayagraj, UP, India, Samrat Prithviraj Chauhan Govt. College, Ajmer Rajasthan, Govt KRG PG Autonomous College Gwalior, MP and Glocal Environment and Social Association, New Delhi held on 13, 14 and 15<sup>th</sup> September 2021.
  7. Delivered a Lecture as Plenary Speaker in International Multidisciplinary Webinar on Impact of Covid-19 on Higher Education System on 8<sup>th</sup> August 2021 organised by IBRF, Kolkata West Bengal, Govt. Kamala Raja Girls PG Autonomous College Gwalior, Madhya Pradesh and Confederation of Indian Universities (CIU), New Delhi.
  8. Delivered an Invited lecture in International Web Conference on Covid-19 Second wave: Challenges for sustainable development (CCSD 2021) on 14<sup>th</sup> September 2021 organised by Asian Biological Research Foundation, Prayagraj, UP, India, Samrat Prithviraj Chauhan Govt. College, Ajmer Rajasthan, Govt KRG PG Autonomous College Gwalior, MP and Glocal Environment and Social Association, New Delhi.
  9. Delivered a Lecture as Plenary Speaker in International Webinar on Ecology, Restoration and Management on 14<sup>th</sup> June 2021 organised by IBRF, Kolkata West Bengal, Barrackpore Rastraguru Surendranath College, West Bengal, CIU, New Delhi and SERI, Kolkata, West Bengal.
  10. Delivered a Lecture as Plenary Speaker in International Interdisciplinary Conference on Covid 19: Challenges and Impacts on Health, Environment, Livelihood and Education on 28<sup>th</sup> May 2021 organised by IBRF, Kolkata West Bengal, Govt. PG College Bhaderwah, J and K, CIU, New Delhi and SERI, Kolkata, West Bengal.
  11. Delivered a Lecture as Guest Speaker in National Seminar on Corona Virus and its Vaccine Treatment on 2<sup>nd</sup> May 2021 organised by Department of Biotechnology & Microbiology, Kalp Laboratories, Mathura
  12. Delivered a Lecture as Plenary Speaker in International Conference on 'New Challenges and dimensions on Ecology and environment' on 3<sup>rd</sup> April 2021 organised by International Academy of science and Research, Kolkata West Bengal, SERI, Kolkata, GDC Doda and Indian Institute of Ecology and Environment, New Delhi.
  13. Delivered a Lecture as Invited Speaker in National Webinar on Ethological Adaptations in Fauna owing to stress as a result of human activities on 9<sup>th</sup> April 2021 organised by Department of Zoology, Dayanand Girls PG College, Kanpur.
  14. Delivered a Lecture as Resource Person in National Webinar on Marine Biodiversity and Aquaculture on 8<sup>th</sup> April 2021 organised by Department of Zoology, Dr. Babasaheb Ambedkar College of Arts, Science and Commerce, Mahad Raigad.
  15. Delivered a lecture as Plenary Speaker on 'Fish Integrated Farming System' on 21 January 2021 during International Conference on recent Advances in Freshwater Aquaculture (RAFA 2021) organised by Department of Zoology, Sunderrao Solanke Mahavidyalaya Majalgaon and Nepal Aquaculture Society.
  16. Delivered a lecture as Resource Person during 3 days International Web Conference on Safe water, sanitation and hygiene on 10<sup>th</sup> November 2020 organised by Glocal Environment Social Association (GESA), New Delhi.
  17. Delivered a lecture as Invited Speaker on 'Impact of Covid 19 Pandemic on World Environment' in Global Web Conference organized by Glocal Environment Social Association (GESA), New Delhi, Govt. PG College Saidabad, Prayagraj, UP on 6<sup>th</sup> June 2020.
  18. Delivered a lecture as Invited Speaker in 1<sup>st</sup> International Conference on Environment and Society at Harcourt Butler University, Kanpur organized by Glocal Environment Social Association (GESA), New Delhi, ABRF, Prayagraj & HBTU Kanpur in December 2019.

19. Delivered a lecture as Invited Speaker in International seminar on Recent trends and Experimental approaches in Science, Technology, Agriculture and Management at FDD Institute, Amethi, UP in October 2019.
20. Delivered an Invited Lecture in Global Conference on Our Biodiversity, Our Food and Our Health at Botanical Survey of India, Prayagraj in May 2019.
21. Delivered a Lecture in International Conference on Advances in Zoological Research (ICAZR) and Workshop on Real Time PCR during March 9-10, 2019 organized by Department of Zoology, Aligarh Muslim University, UP, India.
22. Delivered an Invited Lecture during two days International seminar on Recent trends and Experimental approaches in Science, technology, Nature and Management at FDD Institute, Jodhpur, Rajasthan organized by society of Science and Nature, Lucknow in 2018.
23. Delivered a Lecture as Resource Person in one Week Interdisciplinary State Level Workshop on "Relevance of Information Technology in Teaching Learning Process" from 20<sup>th</sup> to 26<sup>th</sup> March 2018 at Srinagar, Kashmir organized by Islamia College of Science and Commerce, Srinagar Kashmir UGC Autonomous College NAAC Accredited A Grade College.
24. Delivered an Invited lecture during International Symposium on Indiscriminate Development: Current Scenario and Socio-environmental challenges (IDCSC-2018) from 18<sup>TH</sup> to 19<sup>TH</sup> March 2018 organized by Blue Planet Society Allahabad UP, Botanical Survey of India, CRC, Allahabad and Govt. PG College, Saidabad Allahabad, UP.
25. Delivered lecture on "Population Decline of Karez Frog at Bhaderwah region of J and K and its chromosome studies" in International Conference on Science, Technology and Social Humanities (ICSTSH-2018) from 26<sup>TH</sup> to 28<sup>TH</sup> February 2018 organized by Department of Zoology, School of Life Sciences, Dr. Bhimrao Ambedkar University, Agra in collaboration with Society of Life sciences, Satna, MP.
26. Delivered a Lecture on Climate Change and decline of Karez Frog in an "International Conference on "Ecosystem Responses to Global Environmental Changes and their Impact" (ERGECI) being organized by the P.G. Department of Zoology, AIMS, Dhamnood & School of Life Sciences Devi Ahilya Vishwavidyalaya Indore (India) in collaboration with Zoological Society of India, February 16-18, 2017.
27. Delivered a Invited Lecture on "Biodiversity and Human Health" in one day seminar on Biodiversity and its management for food, Livelihood and Environmental Security organized by Govt. Degree College Doda and The Himalayan Ecological and Conservation Research foundation (HECREF) on Dec. 18, 2013.
28. Delivered a lecture on "Of Parents and Sex Determination" to educate the School level teachers at DIET Doda organized DIET Doda, J&K on 14<sup>th</sup> and 15<sup>th</sup> May 2013.
29. Delivered a Invited lecture on "Karyotypy and its application in Diagnosis of Genetic Diseases" to educate the 500 NCC cadets at Jawahar Navodaya, Arnora Ghat, Doda on 8<sup>th</sup> July 2011organised by 2 J&K Indep. Coy NCC, Bhaderwah.

## **EXTRACURRICULAR ACTIVITIES**

- Worked as Programme officer, NSS unit of Govt. Degree College Doda appointed by the Vice-Chancellor, University of Jammu from 1-8-2010 to 31-07-2011.
- Worked as NCC Naval Wing Officer of the Govt. Degree College Doda from Nov. 2010 to Nov. 2012.
- Working as Convener of UGC, RUSA Committee of Govt. Degree College Doda from 2012 to till 2019.
- Worked as College Representative / Coordinator in DST (Department of Science & Technology) Special S & T Package 2012-2014 for J & K Colleges.
- Worked as Coordinator in special UDAAN employment project of J and K from 2011 to 2014 at Govt. Degree College Doda.



- Worked as Coordinator AISHE (All India Survey on Higher Education), MHRD from 2013 to 2019.
- Convener of College Committees like College Admission committee, College Purchase Committee, College Examination committee during the tenure at GDC Doda.
- Worked as Coordinator of NAAC/ IQAC, Govt. Degree College Doda from 2013 to June 2019.
- Acting as Coordinator and Member of College Committees like Red Ribbon Club, College Library Committee, College Discipline committee at GDC Bhaderwah.
- Appointed as Observer by Indira Gandhi Open National University (IGNOU), for Term end examinations of B. Ed 2019, 2020 and other undergraduate and Postgraduate Exams time to time.
- National Editorial Advisory Board Member and Reviewer of Journal - Bulletin of Pure and Applied Sciences-Zoology (BPAS) Started in 1982- eISSN: 2320-3188 pISSN: 0970-0765, Impact Factor: 5.395 (2017).
- National Editorial Board Member and Reviewer of Indian Journal of Biology (IJB) - pISSN: 2394-1391, eISSN: 2455-8249, NAAS rating 3.03.
- National Editorial Board Member of Journal Recent Life Science Mirror (RSLM).
- National Editorial Board Member of Engineering and Scientific International Journal (ESIJ).
- Associate Editor, International Journal of Biological Innovations – 2582-1032, Impact Factor:1.525
- Member Editorial Board, Indian Journal of Scientific Research, ISSN (0976-2876 (Print), 2250-0138 (Online).
- Member Editorial Board, American Journal of Zoology (AJZ) (Science Publishing Group),
- Member, Asian Council of Science Editors, Membership No: 91.34765 <http://theacse.com> , Date: July 19, 2021
- Coordinator Innovation Incubation Centre, GDC Bhaderwah, JK (2019-Feb. 2022)
- Convener Admission & Examination Committee GDC Bhaderwah, J and K (June 2019 to Feb. 2022)
- Member IQAC, GDC Bhaderwah (June 2019-Feb. 2022)
- Member IQAC, GDC Kilhotran (March 2022- July 2023)
- Coordinator Admission Committee GDC Kilhotran, J and K (March 2022 to July 2022)

## **LIFE MEMBERSHIP OF SOCIETIES 33**

1. Indian Society of Human Genetics (ISHG)
2. Indian Society of Blood Transfusion and Immunohematology (ISBTI)
3. Indian Red Cross Society (IRCS)
4. Zoological Society of India (FZSI) Gaya
5. The Indian Science Congress Association (ISCA) Kolkata
6. Academy for Environment and Life Sciences (FAELS) Lucknow
7. Recent Life Science Mirror (RSLM) Hajipur
8. Indian Society of Cell Biology (ISCB) Hyderabad/Delhi
9. Indian Society of Life Sciences (FSLSc) Satna, MP
10. Society of Science and Nature (MSFSN) Lucknow
11. Blue Planet Society (BPS) Allahabad
12. Global Environment and Social Association (GESA) New Delhi.
13. International Foundation of Ecology and Environment, Kolkata (IFEE)
14. International Science Community Association (InSCA) Indore, MP, India
15. Society of Biotechnology and Biological Sciences, UP (SBBS)
16. Agricultural Technology Development Society (ATDS), UP
17. Asian Biological Research Foundation (ABRF) Prayagraj, India.
18. Scholars Academic and Scientific Society (SASS), Assam.
19. Institute of Scholars (InSc), Bangalore, Karnataka as Professional Member.
20. Environment and Social Development Association (ESDA), New Delhi as Patron Member

21. Indian Academic Researchers Association (IARA), Tamil Nadu as Fellow Member
22. Global Academy Society (GAS), Lucknow
23. Agricultural and Environmental Technology Development Society (AETDS), Lucknow
24. International Benevolent Research Foundation (IBRF) Kolkata
25. International Institute of Organised Research (I2OR), India
26. Green ThinkerZ Association, India
27. International Organisation for Academic and scientific Development (IOASD), Assam
28. National Environmental Science Academy (NESA), New Delhi
29. International Multidisciplinary Research Foundation (IMRF), Andhra Pradesh
30. Fellowship for International Journal of Animal, Veterinary, Fishery and Allied Sciences (IJAVFAAS)
31. International Academy of Science and Research (IASR), Kolkata
32. Nepal Aquaculture Society (NEAQUAS), Kathmandu, Nepal.
33. Global Institute For Education and Research (GIER), India.

## PUBLICATIONS

### RESEARCH PAPERS/ARTICLES PUBLISHED : 92

1. **Neelam Saba** and Wahied Khawar Balwan (2025). Artificial Intelligence in Forensic Science: Can it be a Revolution or Else. *Scholars Academic Journal of Biosciences*, March 2025 13(3): 335-339. ISSN 2321-6883.
2. **Wahied Khawar Balwan** and Neelam Saba (2025). Study on prevalence of Obesity-An Invited Public Health Problem. *Scholars Journal of Applied Medical Sciences*, 13(3). ISSN 2347-954X. IF7.5.
3. **Wahied Khawar Balwan** and Neelam Saba (2024). Review Based Study on Artificial Intelligence and the Future of Zoology. *Cross Current International Journal of Medical and Biosciences*, 6 (6):127-131. ISSN: 2663-2446 & Open access journal.
4. **Wahied Khawar Balwan**, Neelam Saba and Irshad Ahmed Malik (2024). Review based study of prevalence and association of social determinants with tuberculosis in Doda region of Jammu and Kashmir, India. *East African Scholars Journal of Medical Sciences*, 7(10):395-400. ISSN:2617-7188.
5. **Wahied Khawar Balwan** and Neelam Saba (2024). Study of genetic and clinical outcomes of consanguineous marriages. *Saudi Journal of Medicine*, 9(11):512-516. ISSN:2518-3397.
6. **Wahied Khawar Balwan**, Wahied Khawar Balwan and Neelam Saba (2024). Review based study of Monkeypox disease: A public health emergency of international concern. *Saudi journal of Medical and Pharmaceutical Sciences*, 670-676, ISSN:2413-4910.
7. Krishan Raj Kant, Chanchal Angral and **Wahied Khawar Balwan** (2024). Histological study on ovarian development of freshwater Prawn *Macrobrachium dayanum* (Henderson). *East African Scholars Journal of Agriculture and Life Sciences*, 7(5):70-75. ISSN: 2617-7277.
8. Sachdeep Kour, **Wahied Khawar Balwan** and Puneet Kour (2024). Edible Insects: A sustainable solution for the future food and security. *Scholars Bulletin*, 10(4):108-120. ISSN: 2412-897X.
9. Neelam Saba and **Wahied Khawar Balwan** (2023). Facing challenges of Biomedical Waste Management strategies in India. *Saudi Journal of Medical and Pharmaceutical Science*, 9(8):539-545. ISSN: 2413-9410.
10. Neelam Saba and **Wahied Khawar Balwan** (2023). Study of Frequency, epidemiology of Nosocomial Infection Healthcare centres. *Saudi Journal of Pathology and Microbiology*, July 8(7): 160-167. ISSN: 2518-3370.
11. Neelam Saba and **Wahied Khawar Balwan** (2023). Genetic Pollution: A Safe or Risky Bet. *Scholars Academic Journal of Biosciences*, Apr 11(4):159-162. ISSN: 2321-6883.

12. **Wahied Khawar Balwan**, Neelam Saba and S Kour (2023). Study of Impact of Mycotoxins on the Human Health. *Scholars Bulletin*, Feb 9(2): 19-23. ISSN: 2412-897X.
13. **Wahied Khawar Balwan**, Neelam Saba and A. H. Patigaroo (2023). First Epidemiological Report of Lumpy Skin Disease from Jammu & Kashmir, India: A Notifiable Disease. *EAS Journal of Veterinary Medical Sciences*, Jan 5(1):7-11. ISSN: 2663-7316.
14. **Wahied Khawar Balwan** and Sachdeep Kour (2022). Thyroid Health and Methylation: What is the Link. *Scholars Journal of Applied Medical Sciences*, 10(2):2460-2468. ISSN: 2320-6691. Impact Factor 5.0.
15. Javed Iqbal Zarger and **Wahied Khawar Balwan** (2022). Effect of Vesicular Arbuscular Mycorrhiza (VAM) inoculants on growth of tomato. *International Journal of Biological Innovations*, 4(2):375-378. ISSN: 2582-1032. Impact Factor: 5.75.
16. Neelam Saba, **Wahied Khawar Balwan**, Nazia Rasool and Sachdeep Kour (2022). Future Perspective for Utilization of municipal Solid Waste (MSW) in India: A Review. *Scholar Academic Journal of Biosciences*, 19(9):199-204. ISSN:2321-6883. Impact Factor:4.0.
17. **Wahied Khawar Balwan**, Neelam Saba and Javid Iqbal Zargar (2022). Burden of Diabetes and role of Medicinal Plants in its Treatment. *Saudi Journal of Medical and Pharmaceutical Sciences*, 8(7):355-361. ISSN:2413-4910. Impact factor 2.0.
18. **Wahied Khawar Balwan** and Sachdeep Kour (2022). Test Anxiety Research: Twenty First Century in Retrospect. *Journal of Advances in Education and Philosophy*, 6(5): 306-310. ISSN: 2523-2223. Impact Factor 1.5.
19. Neelam Saba, **Wahied Khawar Balwan** and Faisal Mushtaq (2022). Burden of Malaria- A Journey Revisited. *Scholars Journal of Applied Medical Sciences*. Jun 10(06). ISSN:2320-6691. Impact Factor 5.0.
20. Neelam Saba, **Wahied Khawar Balwan** and Faisal Mushtaq (2022). An overview of A1 and A2 Milk and its impact on Human Health. *Journal of the Asiatic Society of Mumbai*, 96(06)II June (UGC Carelist Group-I Journal). ISSN: 0972-0766. Impact Factor 3.947.
21. Attied Khawar Balwan and **Wahied Khawar Balwan** (2022). An overview of introduction to Sufi literature in North India. *Journal of the Oriental Institute (UGC Carelist Group-I journal)*. Vol. 71, Issue. 02, No. 3 April – June, 74-90 ISSN: 0030-5324. Impact Factor 5.1.
22. **Wahied Khawar Balwan**, Arashdeep Singh and Sachdeep Kour (2022). Dengue-A break-bone fever: A crisis within crisis. *East African Scholars Journal of Medical sciences*, 5(4):122-130. ISSN: 2617-7188. Impact factor: 3.0
23. **Wahied Khawar Balwan** and Neelam Saba (2022). A study in perspective of laws and legal trends related to Food Adulteration. *International Journal of Biological Innovations*, 3(1): 360-366, Impact factor 5.465 ISSN 2582-1032.
24. Attied Khawar Balwan, **Wahied Khawar Balwan** and Neelam Saba (2022). Glance of Research Methodology for researchers: A Logical Assessment. *Scholars Bulletin*, 8(3):1-6.
25. **Wahied Khawar Balwan** and Neelam Saba (2022). Tracking the Coronavirus: Variant of Concern (VOC). *Shodhsamhita*, VIII(12-VI).ISSN: 2277-7067. UGC Group I Journal. Impact Factor:4.19
26. **Wahied Khawar Balwan**, Arashdeep Singh and Sachdeep Kour (2022). 5R's of Zero Waste Management to save our green planet: A narrative review. *European Journal of Biotechnology and Biosciences*, 10(1):7-11. ISSN: 2321-9122.
27. Neelam Saba, Jaideep Kumar and **Wahied Khawar Balwan** (2021). Keeping it in the Family: Consanguineous Marriages. *Turkish Journal of Physiotherapy and Rehabilitation*, 32(3):38872-38879. eISSN: 2651-446X. Scopus Indexed, WOS and UGC Group II Journal.
28. **Wahied Khawar Balwan**, **Wahied Khawar Balwan** and Neelam Saba (2021). Decoding the impact of Community and Social Medicine during Covid-19 Pandemic. *International Journal of Biological Innovations*, 3(1): 360-366, Impact factor 4.14 ISSN 2582-1032.

29. **Wahied Khawar Balwan**, Neelam Saba and Kuldeep Sharma (2021). Status of Bluetongue Disease in India: An updated Systematic Review. *East African Scholars J. of Parasitology and Infect Dis.*, 3(5):69-74, ISSN 2663-6727.
30. **Wahied Khawar Balwan** and Sachdeep Kour (2021). A systematic review of Biofuels: The cleaner energy for cleaner environment. *Indian Journal of Scientific Research*, 12(1):ISSN-2250-0138.
31. Neelam Saba and **Wahied Khawar Balwan** (2021). Decoding the role in Memory and other learning activities. *Journal of Chemical, Physical and Biological sciences*, 11(4): 594-602. ISSN 2249-1929.
32. Attied Khawar Balwan and **Wahied Khawar Balwan** (2021). Language and Thought: The Chicken and Egg Syndrome. *The Journal of Oriental Research Madras* ISSN: 0022-3301, P95-99. UGC Carelist-I Journal.
33. **Wahied Khawar Balwan**, Neelam Saba and Nazia Rasool (2021). An Overview of Climate Change and Food Security in India. *Annals of R.S.C.B.*, ISSN: 1583-6258, Vol. 25, Issue 4, 2021, Pages. 20124- 20137. Scopus Indexed.
34. **Wahied Khawar Balwan** and Sachdeep Kour (2021). A Systematic Review of Hypertension and Stress-The Silent Killers. *Scholars Academic Journal of Biosciences*, 9(6): 150-154, ISSN:2321-2883. Impact factor 3.1.
35. **Wahied Khawar Balwan**, Neelam Saba and Nazia Rasool (2021). Epidemiology of Mucormycosis in India: A Notifiable Disease. *Saudi Journal of Pathology and Microbiology*, 6(6): 187-191, ISSN: 2518-3370.
36. **Wahied Khawar Balwan**, Neelam Saba and Nazia Rasool (2021). A systematic review of Obesity- an Invited disease. *Journal of Natural Remedies*, 21,1(2): 23-31. Scopus, Web of Science Indexed, UGC Carelist-II Journal. ISSN: 2320-3358.
37. **Wahied Khawar Balwan** and Neelam Saba (2021). Alzheimer's Disease: A Neurodegenerative Menace of Elderly. *Scholars Academic Journal of Biosciences*, 9(5):120-122. ISSN: 2321-6883. Impact Factor 3.3.
38. Neelam Saba and **Wahied Khawar Balwan** (2021). Potential Threat of Emerging and Re-emerging Zoonotic Diseases. *Annals of the Romanian Society for Cell Biology*, 25(5): 29-36. ISSN: 1583-6258, Scopus Indexed.
39. **Wahied Khawar Balwan** and Neelam Saba (2021). Gnotobiotic Animal in Life Science Research. xllkogretim Online-Elementary Education Online, 1944-1946. Scopus Indexed.
40. Atif Natnoo and **Wahied Khawar Balwan** (2021). Hypersexuality and High Sexual Desires: Exploring the problematic sexuality. *World Journal of Pharmacy and Pharmaceutical Sciences*, 10(5): 920-927. ISSN: 2278-4357, Impact Factor 7.632
41. **Wahied Khawar Balwan** and Sachdeep Kour (2021). Lifestyle Diseases: The Link between Modern Lifestyle and threat to public health. *Saudi Journal of Medical and Pharmaceutical Sciences*,7(4):1-6, ISSN:2413-4910.
42. Neelam Saba and **Wahied Khawar Balwan** (2021). Redescription of *Dalader acuticosta* (Coreidae: Coreinae: Daladerini): First Report from Jammu and Kashmir, India. *Journal of Entomology and Zoology Studies*, 9(2):1359-1360. ISSN: 2320-7078, Impact Factor- RJIF 5.48.
43. **Wahied Khawar Balwan** and Sachdeep Kour (2021). All that Glitters is not Gold-The Dark side of Glitter. *World Journal of Pharmacy and Pharmaceutical Sciences*, 10(4). ISSN: 2278-4357, Impact Factor 7.632.
44. **Wahied Khawar Balwan** and Neelam Saba (2021). Elimination of Lymphatic Filariasis. *East African Scholars J. Parasitol Infect Dis.*, 3(2):31-36. ISSN 2663-6727.
45. **Wahied Khawar Balwan** and Sachdeep Kour (2021). Wetland-An Ecological Boon for the environment. *East African Scholars J Agri and Life Sci.*, 4(3):38-48. ISSN 2617-7277.

46. **Wahied Khawar Balwan** and Neelam Saba (2021). Quantifying the risk of premature death in tuberculosis survivors. *The Journal of Oriental Research Madras*, Vol. XCII-II, ISSN:0032-3301. UGC Carelist-I Journal.
47. Neelam Saba and **Wahied Khawar Balwan** (2021). Stem Cell Research: Medical Applications, Ethical and Legal Controversies. *Saudi Journal of Biomedical Research*, 6(2): 43-48, ISSN:2518-3222.
48. **Wahied Khawar Balwan** and Neelam Saba (2021). Study of Role of Fish Oil in Human Health. *Global Academic Journal of Medical Sciences*, 3(1): 14-18, ISSN:2707-2533.
49. **Wahied Khawar Balwan** and Neelam Saba (2021). Study of clinical aspect, genetic aspect, genetic counselling and prevention of Down's syndrome. *Indian Journal of Adult Education*, Vol. 82, No. 1(A), ISSN: 0019-5006, UGC care list Group-I Journal.
50. **Wahied Khawar Balwan**, Nazia Rasool and Neelam Saba (2021). Study of Characterization and quantification of municipal solid waste in Doda town of Jammu and Kashmir as a measure of effective management. *Solid State Technology*, 64(2), ISSN:0038-111X. Scopus Indexed. <http://solidstatetechnology.us/index.php/JSST/article/view/8592>
51. **Wahied Khawar Balwan** and Neelam Saba (2021). Impact of Sound Pollution on animal and human health. *International Journal of Biological Innovations*, 3(1): 68-73, ISSN 2582-1032.
52. **Wahied Khawar Balwan** and Neelam Saba (2020). Association of Social Determinants with Tuberculosis. *Journal of Natural Remedies*, Vol. 21, No. 7(S1), ISSN:2320-3358. Scopus & WOS Indexed and UGC Carelist-II Journal. <https://jnronline.com/ojs/index.php/about/article/view/682>
53. **Wahied Khawar Balwan** and Neelam Saba (2020). Study of applications of Fluorescence In Situ Hybridization in Prenatal and Postnatal Diagnosis. *European Journal of Molecular & Clinical Medicine*, 7(11), ISSN 2515-8260. Scopus Indexed. [https://ejmcm.com/article\\_7847.html](https://ejmcm.com/article_7847.html)
54. **Wahied Khawar Balwan**, Nazia Rasool and Neelam Saba (2020). Effective Management Measures of Solid waste in Doda region of Jammu and Kashmir, India. *Indian Journal of Biology*, 7(2):77-80, July-December ISSN: 2394-1391.
55. **Wahied Khawar Balwan**, Neelam Saba, Nitesh Singh and Nazia Rasool (2020). Solid Waste Management: First Report On Garbage Problem In Doda Region Of Jammu And Kashmir, India. *International Journal of Engineering Applied Sciences and Technology (IJEAST)*, Vol. 5, Issue 7, ISSN No. 2455-2143, p157-173.
56. Nazia Rasool and **Wahied Khawar Balwan** (2020). Investigation and abatement of traffic based noise in Samba town of Jammu and Kashmir, India. *Bulletin of Pure and Applied Science*, Vol. 39A, No. 2, p396-402. ISSN: 0970-0965 (P), 2320-3188 (O), UGC Carelist Group II Journal.
57. **Wahied Khawar Balwan**, Wahied Khawar Balwan and Neelam Saba (2020). Counselling parents of mentally retarded persons. *Journal of Oriental Research*. Volume: XCI-XL, p37-43. ISSN 0022-3301, UGC Care List I Group Journal.
58. **Wahied Khawar Balwan**, Neelam Saba and Subhash Gupta (2020). Chromosome study in individuals with unassigned sex from Jammu region of Jammu and Kashmir, India. *Wesleyan Journal of Research*, Vol 13 No. 36 (October 2020), p52-61. ISSN 0975-1386, UGC Care List I Group Journal, Impact factor 6.7.
59. **Wahied Khawar Balwan** and Neelam Saba (2020). Study of medical applications, ethical and legal controversies of stem cell research: A narrative review. *Science Explorer*, 1(1), p50-58.
60. **Wahied Khawar Balwan** and Neelam Saba (2020). A study on Epidemiological Factors in Down's syndrome from Jammu and Kashmir, India. *Wesleyan Journal of Research*, 13(24) (September 2020), p16-25. ISSN 0975-1386, UGC Care List I Group Journal, Impact Factor 6.7.
61. **Wahied Khawar Balwan** and Neelam Saba (2020). Study of Pervasive occurrence of diseases after natural catastrophes: A narrative review. *Novyi Mir Research Journal (NMRJ)*, Vol. 5, Issue 10, pp 152-160. ISSN No: 0130-7673, Impact Factor 6.1. UGC Care List-II Group Journal. <http://www.novymir.net/gallery/nmrj2629%20f.pdf>



62. **Wahied Khawar Balwan**, Neelam Saba and Anita Kumari (2020). A short review on understanding of a global problem Autism. *International Journal of Science, Environment and Technology (IJSET)*, Vol. 9, No 5, 2020, 735 – 740, ISSN 2278-3687 (O), 2277-663X (P).
63. **Wahied Khawar Balwan**, Neelam Saba, Nazia Rasool and Kuldeep Sharma (2020). Decoding the Impact of Covid-19 on Education System: A Review. *Indian Journal of Scientific Research (IJSR)*, 11(1): 101-105. ISSN-2250-0138.
64. **Wahied Khawar Balwan** and Neelam Saba (2020). Study of Association Of Non-Cytogenetic Factors with Down's Syndrome: First Report From Jammu And Kashmir, India. *Novyi Mir Research Journal (NMRJ)*, Vol. 5, Issue 10, pp 33-42. ISSN No: 0130-7673. Impact Factor 6.1 <http://novyimir.net/gallery/nmrj2611%20f.pdf>. UGC Care List-II Group Journal.
65. Geetanjali Sageena and **Wahied Khawar Balwan** (2020). The Pandemic inside the Pandemic: Avalanche of misinformation. *Journal of Global Biosciences*, 9(7): 7667-7678. ISSN-2320-1355. URL: [www.mutagens.co.in/jgb/vol.09/07/090703.pdf](http://www.mutagens.co.in/jgb/vol.09/07/090703.pdf).
66. **Wahied Khawar Balwan**, **Wahied Khawar Balwan** and Neelam Saba (2020). Frequency of Typhoid Fever in Healthy People of Doda Region of Jammu and Kashmir, India: First Report from Area. *International Journal of Biological Innovations*, 2(2):83-87. ISSN-2582-1032.
67. Nazia Rasool and **Wahied Khawar Balwan** (2020). Municipal solid waste characterization and quantification as a measure of effective management: First case study from the area. *International Journal of Research in Applied, Natural and Social Sciences*, 8(7):1-6. pISSN-2347-4580, eISSN-2321-8851.
68. **Wahied Khawar Balwan** and Neelam Saba (2020). Prenatal Diagnosis in service of mankind. A Review. *International Journal of Science and Research*, 9(7):631-634. ISSN-2319-7069.
69. **Wahied Khawar Balwan**, **Wahied Khawar Balwan**, Neelam Saba and K S Jamwal (2020). Cytogenetic Investigation of Cases with Primary Amenorrhea in Jammu Region of Jammu And Kashmir. *International Journal of Zoology and Research (IJZR)*, 10(2): 1-8. pISSN- 2278-8816, eISSN- 2278-8824, Impact Factor 5.0057.
70. Nazia Rasool and **Wahied Khawar Balwan** (2020). Awareness Status of Noise Pollution in Samba Town of District Samba (Jammu & Kashmir): First Report. *Bio-Science Research Bulletin*, 36(1): 33-39. pISSN-0970-0889, eISSN-2320-3161.
71. Neelam Saba and **Wahied Khawar Balwan** (2020). Cytogenetics of Two Sexes of the Green Toad, *Pseudepidalea viridis*: First Report from Jammu and Kashmir, India. *International Journal of Science and Research*, 9(5):1059-1062. ISSN-2319-7069.
72. **Wahied Khawar Balwan** and Neelam Saba (2020). Decline of House Sparrow and common Myna populations in Doda region of Jammu and Kashmir, India. *International Journal of Biological Innovations*, 2(1):20-24. ISSN-2582-1032
73. Javed Iqbal Tramboog and **Wahied Khawar Balwan** (2019). A systematic Review of Economic Growth and Persistence of Child Labour in India. *Journal of Critical Reviews*, 06(01):71-76. ISSN- 2394-5125.
74. **Wahied Khawar Balwan** and Neelam Saba (2018). Chromosome study in suspected cases of Turner's syndrome from Jammu region of Jammu & Kashmir. *Journal of Advanced Zoology*, 39(1): 32-36. ISSN-0253-7214. UGC Carelist Group II Journal.
75. **Wahied Khawar Balwan**, Neelam Saba and Subhash Gupta (2017). Trisomy 13: Patau's Syndrome (A Case Report from Jammu Region of Jammu & Kashmir). *Bulletin of Pure and Applied Sciences, Zoology* 36A (2):71-75. pISSN-0970-0765, eISSN-2320-3188. UGC Carelist Group II Journal.
76. Neelam Saba and **Wahied Khawar Balwan** (2016). Decline of Karez Frog, *Chrysopaa sternosignata*: A case study from Bhaderwah region of J & K. *Bulletin of Pure and Applied Sciences*, 35A (2):45-56, pISSN-0970-0765, eISSN-2320-3188. UGC Carelist Group II Journal.

77. Touseef Zargar and **Wahied Khawar Balwan** (2016). Study of anomalies in *Cirrhinus mrigala* (Ham. Buch) Inhabiting Freshwater Environments of Jammu region of J&K. *Global Journal of Biosciences and Biotechnology*, Vol. 5(3): 292-294.
78. **Wahied Khawar Balwan**, Mushtaq A. Bhat, Neelam Saba and Subash Gupta (2014). Chromosome study of Human male infertility in Jammu region of Jammu and Kashmir. *International Journal of Science and Nature (IJSN)*, 5(2):1-3. ISSN-2229-6441.
79. Neelam Saba, **Wahied Khawar Balwan** and N.K.Tripathi (2014). Karyotypic study of common Indian toad *Duttaphrynus melanostictus*, from Jammu and Kashmir, India. *International Journal of Arts, Science and Com.*, 5(1): 61-65.
80. Saiqa Sehar, **Wahied Khawar Balwan** and V.K. Srivastav (2013). Dimethoate induced histopathological and biochemical effects on kidney and haematological effect in male *Rattus rattus*. *Recent Life Science Mirror (RSLM)*, 2(2): 1-8.
81. Neelam Saba and **Wahied Khawar Balwan** (2013). Amphibian Population Decline: A case study from Jammu and Kashmir, India. *International Journal of Sci. and Nat.*, 4(3): 571-573.
82. Neelam Saba, **Wahied Khawar Balwan** and N.K.Tripathi (2013). Larval Cannibalism in the Indus Valley Toad, *Duttaphrynus stomaticus*. *Bulletin of Environment, Pharmacology and Life Sciences (BEPLS)*, 2(6): 148-150.
83. **Wahied Khawar Balwan**, Neelam Saba and Subhash Gupta (2013). Karyotyping in suspected cases of Turner's syndrome – A sex chromosomal abnormality. *Recent Life Sc. Mirror*, 2(1): 15-18.
84. **Wahied Khawar Balwan**, Mushtaq Bhat and Subhash Gupta (2012): An Azoospermic 46,XY Male with Uterus and Ovaries: A Case Report. *Bulletin of Environment, Pharmacology and Life Science*, 1(4):24-26.
85. **Wahied Khawar Balwan** and Subhash Gupta (2012). Karyotypic Detection of Chromosomal Abnormalities in Referred Cases with Suspected Genetic Disorders. *Bulletin of Environment, Pharmacology and Life Sciences (BEPLS)*, 2(1):16-19.
86. Shalu Sharma and **Wahied Khawar Balwan** (2012). Androgen Insensitivity Syndrome (Testicular feminization): First case report from Jammu & Kashmir, India. *The Journal of Obstetrics and gynecology of India* 62(2):199-201.
87. **Wahied Khawar Balwan** and Subhash Gupta (2011).Karyotypic Study in 180 clinically diagnosed cases of multiple congenital anomalies. *UP Journal of Zoology*, 31 (1): 59-63. UGC Carelist Group I Journal.
88. **Wahied Khawar Balwan**, Shalu Sharma and Subhash Gupta (2010).Study of chromosomal aberrations in cases of suspected Genetic Disorders from Jammu & Kashmir, India. *Bulletin of Pure and Applied Sciences, Zoology* 29A (1):47-56. UGC Carelist Group II Journal.
89. **Wahied Khawar Balwan**, Parvinder Kumar, T.R.Raina and Subash Gupta (2008).Double Trisomy with 48, XXX+21 karyotype in a Down syndrome child from Jammu & Kashmir, India. *Journal of Genetics*, 87(3): 1-3.
90. **Wahied Khawar Balwan**, T. R. Raina, Parvinder Kumar, Shalu Sharma, Sunil Raina, and Subash Gupta (2008). Down syndrome: Chromosome study of 118 Cases from the state of Jammu & Kashmir (J&K), India. *Indian Journal of Endocrinology and Metabolism*, 12(6&7): 5-8.
91. **Wahied Khawar Balwan**, Parvinder Kumar, Vikas Dogra, T.R.Raina and Subash Gupta (2008). Chromosomal anomalies in referred cases with suspected Genetic Disorders: First report from Jammu & Kashmir (J&K). *Cell and Molecular Biology, Proceedings of Zoology Conference*, 151-159.
92. Parvinder Kumar, Mohammad Idris, Vikas Dogra, **Wahied Khawar Balwan**, T.R.Raina, Subash Gupta, and G.R. Chandak (2005). Analysis of Intron 22 inversion mutation of factor VIII gene in the patients with Hemophilia A in J&K state of India. *Journal of Capital University of Medical Sciences*, 26 (6): 677-680, Beijing, PR China. Link.  
[www.ccmb.res.in/publications/newpub/paps/pap363.html](http://www.ccmb.res.in/publications/newpub/paps/pap363.html)

**BOOKS PUBLISHED 84**

| S. No. | Name of Book   | Publisher  | ISBN              |
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I hereby declare that the above information is correct to the best of my knowledge.

**Place: Doda, Jammu & Kashmir, India**

**Date: 01-04-2025**

**(DR. WAHIED KHAWAR BALWAN)**