



Faculty Name: DR. WAHIED KHAWAR BALWAN

Designation : Assistant Professor (Senior Scale)
M.Sc., Ph.D., FZSI., FSLSc., FAELS, MSSN

Subject : Zoology

Area of Specialization : Cell Biology & Genetics

College : Govt. Degree College Doda

Email : wahied_kb@yahoo.co.in

Phone : +91-94193-69557

Date of Appointment : 30-04-2010

Awards and Achievements

1. Adjudged 1st in Oral Presentation in the section Life Sciences for presentation in the 3rd J&K State Science congress held during 26th to 28th of February 2008, held at University of Jammu, Jammu.
2. 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.
3. Society of Life Sciences conferred Honorary Fellowship (F.S.L.Sc.) of the society for outstanding contributions in the field of Life Sciences on 2nd February 2012.
4. Academy for Environment and Life Sciences conferred Honorary Fellow Membership (F.A.E.L.S) in 2012.
5. Zoological Society of India conferred Honorary Fellowship (F.Z.S.I) in 2012.
6. Awarded Painting Competition Participation Certificate in recognition of rendering outstanding Services as Judge for successful conduct of District Level Painting Competition organized by J&K Police at Govt. Degree College Doda on 20-02-2011.
7. Nominated as National Editor of Recent Life Science mirror (RSLM) for the year 2013-14.
8. Awarded "Congress of Zoology Gold Medal" by Zoological Society of India, Bodh Gaya at BR Ambedkar Central "University on 28th October 2015. Award was presented by Hon'ble CM UP Sh. Akhilesh Yadav and Vice Chancellor Prof. R.C.Sobti.
9. 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.
10. 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.
11. Conferred "Bharat Jyoti Award and Certificate of Excellence" for meritorious services, outstanding performance and remarkable role in Education sector by Dr. Bhishma Narain Singh, Former Governor of Tamil Nadu and Assam at a seminar on Economic Growth and National Integration at New Delhi on 9th June, 2016 organised by India International Friendship Society.
12. Acted as Chairperson in a session in "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.

Workshops, Seminars, Symposia and Conferences attended

1. 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.
2. Participated in the 5th hands-on-workshop on "Prenatal and Postnatal Diagnosis of Genetic Disorders using Molecular Methods" from Nov. 7th – 21st, 2005 at Department of Anatomy, Pediatrics and Haematology, All India Institute of Medical Sciences (AIIMS), New Delhi.
3. 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 7th – 9th Feb. 2003.
4. Participated in 12th National Children's Science Congress-2004- held at Guwathi during 27-31 December 2004 as a Project Guide.
5. 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 Deptt. of Science & Technology, Govt. of India, from 7th – 9th Feb. 2005.
6. Participated in the Symposium on "Molecular Medicine and Health" organized as a part of the 9th ADNAT (Organized by Association for the promotion of DNA Fingerprinting and other DNA Technology) Convention and 30th ISHG Conference during 20-23 February 2005, at Centre for Cellular and Molecular Biology (CCMB), Hyderabad.
7. Participated in 43rd All India Oriental Conference, Jammu held at Department of Sanskrit, University of Jammu, Jammu from 12-10-2006 to 14-10-2006.
8. 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, Gorakhpur-273009, U.P.
9. Participated in the 18th 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, Lucknow from December 7-9, 2007.
10. Participated in "National Seminar on Technical Advances in Environment Management and Applied Zoology" at Kurukshetra University, Kurukshetra during 23-25th January, 2005.
11. Participated in 3rd 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 Deptt. Of Science & Technology, Govt. of India from 26th – 28th Feb. 2008.
12. Attended a CME cum Conference of Indian Association of Medical Microbiologists (MICROCON) North West Chapter on 21st February, 2009 at Department of Microbiology, Govt. Medical College Jammu.
13. Participated in 5th JK Science congress at University of Jammu from 8th to 10th February 2010 organized by University of Jammu, Jammu in collaboration with J&K State Council for Science and Technology.
14. Participated in 7th JK Science congress (JKSC-11) at University of Jammu from 13th to 15th October 2011 organized by University of Jammu, Jammu in collaboration with J&K State Council for Science and Technology.
15. Participated in "22nd All India Congress of Zoology & National Seminar on Recent Advances in Biological Sciences: Biodiversity and Human Welfare (NSBHW)" organized by University of Lucknow, Lucknow and zoological Society of India, Bodh Gaha from December 29-31, 2011.
16. Participated in 8th JK Science congress (JKSC-12) at University of Kashmir from 17th to 19th September 2012 organized by University of Kashmir, in collaboration with J&K State Council for Science and Technology.
17. Participated in "23rd 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 3rd to 5th, 2012.
18. Participated in "24th 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, Kolkota, and Zoological Society of India, Bodh Gaya from November 23rd to 25th 2013.
19. Participated in "101st Indian Science Congress on Innovations of Science & Technology organized by University of Jammu from February 3rd to 7th, 2014.

20. 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.
21. Participated in the 102nd Indian Science Congress held at University of Mumbai, Mumbai from January 2-7, 2015.
22. Participated in National seminar on “Threats to biodiversity and ecosystems” Impacts of developmental projects and climate change and 25th All India Congress of Zoology” at Department of Zoology and environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar organized by Zoology Society of India, Bodh Gaya and Indian Academy of EVS, Haridwar from November 17-19, 2014.
23. Participated in 2nd National Symposium on Interdisciplinary Science (NISS) organized by Govt. Gandhi Memorial Science College, Jammu (J&K) from February 27-28, 2015.
24. Participated in 10th 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.
25. 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.
26. 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.
27. Presented a paper entitled “ 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.

Orientation/Refresher Courses Attended

1. 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’.
2. 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’.

Research Publications

1. 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.
2. **Wahied Khawar Balwan**, Parvinder Kumar, T.R.Raina and Subash Gupta (Summer 2008). “Trisomy 13: Patau’s Syndrome (A Case Report)”. *Literati*, 11(I): 181-185.
3. **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.
4. **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.
5. **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.
6. **Wahied Khawar Balwan**, Shalu Sharma and Subash Gupta (2010). Study of chromosomal aberrations in cases of suspected Genetic Disorders from Jammu & Kashmir, India. *Bulletin of Pure and Applied Sciences*. 29A (1):47-56..
7. **Wahied Khawar Balwan** and Subash Gupta (2011). Karyotypic Study in 180 clinically diagnosed cases of multiple congenital anomalies. *UP Journal of Zoology*, 31 (1): 59-63.
8. Shalu Sharma and **Wahied Khawar Balwan** (2011). Androgen Insensitivity Syndrome (Testicular feminization): First case report from Jammu & Kashmir, India. *The Journal of Obstetrics and Gynecology of India* 62(2):199-201.

9. **Wahied Khawar Balwan**, Mushtaq A. Bhat and Subhash Gupta (2012): An Azoospermic 46,XY Male with Uterus and Ovaries: A Case Report. *Bul. of Env., Pharm. & Life Sci.*, 1(4):24-26.
10. **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.
11. Neelam Saba and **Wahied Khawar Balwan** (2013). Amphibian Population Decline: A case study from Jammu and Kashmir, India. *Int. J. of Sci. and Nat.*, 4(3): 571-573.
12. **Wahied Khawar Balwan**, Neelam Saba and Subhash Gupta (2013). Karyotyping in suspected cases of Turner Syndrome-A sex chromosomal abnormality. *Rec. Life Sc. Mirror (RSLM)*, 2(1): 15-18.
13. 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.
14. 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.
15. **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.
16. 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.
17. Touseef A. 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*.
18. 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.

Book Publications

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| 1. Economic Zoology | Malhotra Book House, Jammu |
| 2. Handbook of Biochemistry | DBS Imprints, New Delhi |
| 3. Molecular Cell Biology | Alfa Publication, New Delhi |
| 4. Chordate Embryology | Alfa Publication, New Delhi |
| 5. Invertebrate Zoology | Alfa Publication, New Delhi |
| 6. Chordate Zoology | Alfa Publication, New Delhi |
| 7. Cell Biology, Genetics & Evolution | Malhotra Book House, Jammu |
| 8. A Manual of Practical Zoology | Malhotra Book House, Jammu |
| 9. Genetics & Plant Breeding | Alfa Publication, New Delhi |
| 10. Genetics | Virgo Publishers, New Delhi/ Kolkota |
| 11. Biotechnology Principles & processes | Virgo Publishers, New Delhi/ Kolkota |
| 12. Introduction to Genetics | Alfa Publication, New Delhi |
| 13. A Laboratory Manual of Chordate Zoology | Malhotra Book House, Jammu |
| 14. Practical Manual on Animal Diversity | Malhotra Book House, Jammu |
| 15. A Practical Manual on Comparative Anatomy & Developmental Biology of Vertebrates | Malhotra Book House, Jammu |
| 16. Development of Animal Behaviour | Random Publications, Delhi. |
| 17. Animal Sciences and Environmental Issues | Random Publications, Delhi. |
| 18. Dictionary of Animal Sciences | Venus Publications, New Delhi |

Patents

NIL

Research Projects (Minor/Major Project)

Nil

Membership of Scientific Societies

1. Indian Society of Human Genetics (ISHG)
2. Indian Society of Blood Transfusion and Immunohaematology (ISBTI)
3. Indian Red Cross Society (IRCS)
4. Zoological Society of India (ZSI)
5. The Indian Science Congress Association (ISCA)
6. Academy for Environment and Life Sciences (AELS)
7. Recent Life Science Mirror (RSLM)
8. Indian Society of Cell Biology (ISCB)
9. Indian Society of Life Sciences (SLSc)
10. Society of Science and Nature (SFSN)

Academic Qualifications

Examination Passed	Board/University	Subjects	Year	Division/Grade/Merit
SSC	J K BOSE	Eng., Biology, Maths, SST, Urdu	1997	I
Higher Secondary	JK BOSE	English, Biology, Physics, Chemistry	1998	I
Bachelor's Degree	University of Jammu	English, Botany, Zoology, Chemistry	2001	I
Master's Degree (M.A./M.Sc.)	University of Jammu	Zoology	2003	I
Other Diploma/Certificates etc.	Nil	-	-	-

Research Experience

Research Stage	Title of Work/Thesis	University where the work was carried out	Year
M. Phil or equivalent	-	-	-
Ph. D	Study of chromosomal aberration in people suffering from Genetic Diseases.	University of Jammu	2008
D. Sc / D. Litt.	-	-	-
Training (Please Specify)	<ol style="list-style-type: none">1. Worked as JRF in DBT, GOI funded Project "Study of Genomic Diversity of Human Populations of North-West India" in Human Genetic Research cum Counselling Centre, Govt Medical College, Jammu / Department of Zoology, University of Jammu, Jammu, from January 2004 to January 2008.2. Worked as JRF in		

	<p>Human Genetic Research Cum Counselling Centre, University of Jammu/ Govt. Medical college Jammu from 08-04-2008 to 31-10-2008.</p> <p>3. Worked as Research Scientist cum Lecturer (Cytogeneticist) at Human Genetic Research Cum Counselling Centre, University of Jammu/ Govt. Medical College Jammu from 1st November 2008 to December 2009.</p> <p>4. Undergone a 5 days basic training on Molecular Biology techniques at Centre for Genetic Disorders, Guru Nanak Dev University, Amritsar</p>		
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Teaching Experience

Courses Taught	Name of the university/College/Institution	Duration
U.G. (B.A./B.Sc. etc.) (B.A./B.Sc. etc. Hons.)	Govt. Degree College Doda	Since 2010
P.G. (M.A./M.Sc. etc.)	Institute of Human Genetics, University of Jammu	November 2008 to December 2009
Any Other	Nil	-

Extension Work/ Community Service

- 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 Care taker of NCC Naval Wing of the Govt. Degree College Doda from Nov. 2010 to Nov. 2012.
- Worked as Convener of UGC, IQAC, RUSA and NAAC Committee of Govt. Degree College Doda from 2012 to 2015.
- 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 2015 at Govt. Degree College Doda.
- Worked as Co-ordinator AISHE (GDC DODA) from 2013 to March 2017.
- Working as Convener of Admission Committee, GDC Doda since 2014.