

Bio-Data

Dr. (Captain) Akash Chandra Mishra

(Assistant Professor)

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Father's Name : Sri. Suresh Chandra Mishra
Mother's Name : Mrs. Poonam Mishra
Permanent Address : 58E/12E/1G Circular Road, Allahabad (UP)-211002
Date of Birth : 1st May 1979
Gender : Male
Marital status : Married
Nationality : Indian
Linguistic abilities : English & Hindi
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Academic qualification:

Standard	Board/University	Year of Passing	Subject	Percentage
D.Phil.	Allahabad University	2010	Endocrine disruption & Drug Research	--
M.Sc. Zoology	Allahabad University	2001	Zoology, Specialization in Cell Biology	65.75
B.Sc. (Bio)	Allahabad University	1999	Zoology, Botany, Chemistry	59.45
Intermediate	U.P. Board	1995	English, Hindi, Biology, Physics, Chemistry	61.40
High School	U.P. Board	1993	Hindi, English, Math-2, S. Science, Science-2, Biology	64.66

OTHER QUALIFICATIONS:

- CSIR (NET)- JUNE 2002, DEC 2002 (Life Sciences)

TEACHING EXPERIENCE:

- 08 years and 03 months as Assistant professor and Reader in the Department of Zoology, Nehru Gram Bharti Vishwavidyalaya, Prayagraj (01-08-2006 to 07-11-2014).
- 09 years and 08 months in Dept. of Zoology of R.C.U. Govt. P.G. College, Uttarkashi.
- Presently working as Assistant Professor in R.H. Govt. P. G. College, Kashipur since 30-07-2024.

RESEARCH EXPERIENCE:

- **Six and half years** in the field of neuroendocrinology, immunology and drug research in mammalian model (mice).
- **LIFETIME MEMBERSHIP IN INDIAN SCIENCE CONGRESS (ISCA)**

D. Phil. TITLE:

- **“Evaluation of Novel Antipsychotic Drugs: Impacts on Endocrine and Immune Systems”**

NCC:

- **Working as Associate NCC Officer (ANO) since 13-10-2016.**

PUBLISHED WORK:

a. International Research articles (03):

1. **Mishra, A.C., Mohanty, B. (2010)** Effect of lactational olanzapine exposure on body weight of mice: A comparative study on neonates of both the sexes during post-natal development. **J. Psychopharmacol.** 24, 1089-1096. ISSN: 0269-8811
2. **Mishra, A.C., Mohanty, B. (2010)** Lactational exposure to atypical antipsychotic drugs disrupt pituitary-testicular axis in mice neonates during post-natal development. **J. Psychopharmacol.** 24, 1097-1104. ISSN: 0269-8811
3. **Mishra, A.C., Mohanty, B. (2010)** Effects of lactational exposure of olanzapine and risperidone on hematology and lymphoid organs histopathology: A comparative study in mice neonates. **Eur. J. Pharmacol.** 634, 170-177. ISSN: 0014-2999

b. National Research articles (06):

1. **Mishra, A.C., Mohanty, B. (2016)** Lactational Exposure to Atypical Antipsychotic Drugs may impair the Reproductive Development in Female mice: A comparative assessment of Olanzapine and Risperidone. *Journal of Kalash Science* 4, 1-7. ISSN: 2321-7634
2. **Mishra A.S. & Mishra A.C. (2015)** Structural and functional diversity of benthic macroinvertebrate fauna downstream of man-made wetland on a Bundelkhand river, India. *BOOK- Biodiversity & Sustainable Development* publisher- Govt. P. G. College Saidabad, Allahabad, Uttar Pradesh, Page no. 50-58. ISBN: 978-81-931262-1-9
3. **Mishra A.C. & Mishra B.K. (2022)** Antipsychotic Drugs: Probable Agents for Additional Cancer Therapy. *Journal of Nehru Gram Bharati University*, Vol. 11 (1), 25-32. ISSN: 2319-9997
4. **Mishra A.C. & Mishra B.K., & Kulshrestha R. (2023)** Possible role of Artificial Intelligence (AI) in enhancing life expectancy by mitigating occurrences of Landslides in hilly areas of district- Uttarkashi of Uttarakhand. *Journal of Nehru Gram Bharati University*, Vol. 12 (2), 25-32. ISSN: 2319-9997
5. **Pervez A., Adhikari A. and Mishra A.C. (2024)** HOW DO CHEMICALS AFFECT BUTTERFLIES AND THE ENVIRONMENT? *Annals of Science and Allied Research* Vol. 2 (2), 41-46. ISSN: 2584-2307

6. Pervez A., Adhikari A. and **Mishra A.C.** (2024) FIRST REPORT ON NATURAL ENEMIES OF *PIERIS BRASSICAE* (LINNAEUS) FROM THE TERAJ KUMAUN REGION OF UTTARAKHAND. Annals of Science and Allied Research Vol. 2 (2), 52-56. ISSN: 2584-2307

c. BOOKS (06):

1. Vasantika Kashyap & **Akash Chandra Mishra** (2020) Text Book of Zoology (Ecology Environment, Animal Behaviour & Conservation Biology). Pragati Publications, ISBN: 938996174-2.
2. Vasantika Kashyap & **Akash Chandra Mishra** (2023) Diversity of Non-Chordates and Economic Zoology. Pragati Publications, ISBN: 935854028-1.
3. Vasantika Kashyap & **Akash Chandra Mishra** (2023) नॉन-कोर्डेट्स की विविधता एवं आर्थिक जंतु विज्ञान. Pragati Publications, ISBN: 935854026-5.
4. Vasantika Kashyap & **Akash Chandra Mishra** (2024) Ecology, Ethology, Environmental Science & Wild Life. Pragati Publications, ISBN: 978-93-5854-578-4.
5. Vasantika Kashyap & **Akash Chandra Mishra** (2024) पारिस्थितिकी, एथोलोजी, पर्यावरण विज्ञान तथा वन्यजीव. Pragati Publications, ISBN: 978-93-5854-809-9.
6. Vasantika Kashyap & **Akash Chandra Mishra** (2024) Microbiology and Animal Behaviour. Pragati Publications, ISBN: 978-93-4861-300-4.

d. BOOK CHAPTERS (02):

1. Book- MICROBIOLOGY & IMMUNOLOGY (2022), M. Sc. III Semester, Unit 7: Adjuvant, Pub: Uttarakhand Open University, Haldwani, Nainital- 263139, ISBN- MSCZO-604-1(003444), Page no.- 195-205.
2. Book- MICROBIOLOGY & IMMUNOLOGY (2022), M. Sc. III Semester, Unit 9: In vitro & In vivo reactions, Pub: Uttarakhand Open University, Haldwani, Nainital- 263139, ISBN- MSCZO-604-1(003444), Page no.- 221-255.

CONFERENCES ORGANIZED: (No. 02)

- a) **As Joint Secretary:** National Seminar on Advances in Laser, Spectroscopy and Nanomaterials” (NSALSN-2011). Nehru Gram Bharati University, Allahabad 5-7 March, 2011
- b) **As Convenor (Scientific):** International Conference on Radiation, Cancer & Society (ICRCS). NGBU, Allahabad 26-28 Nov 2012

CONFERENCES / SYMPOSIA / WORKSHOPS ATTENDED / PRESENTED:

- **ELEVEN** National and **SIX** International

REFRESHER AND ORIENTATION COURSES ATTENDED:

- **One** orientation, **three** refresher courses and **three** EDPs after joining in Department of Higher Education, Uttarakhand.

PAPER PRESENTATION IN SEMINARS/ CONFERENCES:

S.N.	Title of the Invited Lecture delivered/Paper presented	Details of Conference / Seminar/ FDP and Organizing Institution	Category/Type of Event	Date of Presentation
1	Adverse impacts of novel antipsychotics on different body axes of mice	National Symposium on Biodiversity Assessment, Conservation & Eco planning, ISD College Allahabad, University of Allahabad	National	12 th Jan 2007
2	Lactational exposure of antipsychotic drugs affect reproductive health of mice	International conference on radiation, environment & health, NGBV, Allahabad	International (within country)	20 th Nov 2010
3	Lactational exposure of atypical antipsychotic drugs disrupt PO axis of mice	International conference on radiation, cancer & society, NGBV, Allahabad	International (within country)	27 th Nov 2012
4	Human-made destruction of forest cover of deep-rooted plants over mountains might have enhanced the occurrence of landslides in Uttarkashi	National Conference on Ecological Imbalance: A Threat to Flora, Fauna, Economy and Human Survival. Jointly Organized by Govt. P.G. College, Saidabad, Allahabad and National Environmental Science Academy (NESA) New Delhi	National	23 rd Sept 2017
5	Role of Zoology in skilling youth to develop small scale industry in rural areas	Two Day's National Seminar on Career Counselling in Dynamic World: Issues and Challenges, RHGPG College Kashipur	National	20 th April 2019
6	Role of Women Empowerment in popularizing conventional domestic methods at Global level	National Seminar on "Women and Atmanirbhar Bharat", RCU Govt. P.G. College, Uttarkashi	National	27 th Aug 2022
7	Study of Bio-socioeconomic significance of Tiger Project in Corbett National Park (Ramnagar) and impact of increasing human population residing in its periphery	Two-day International Seminar on "उत्तराखंड की लोक संस्कृति, सांस्कृतिक पर्यावरण का मध्य हिमालय के स्थानीय पृष्ठभूमि पर सामाजिक, आर्थिक, ऐतिहासिक वैज्ञानिकता में कृषिकरण, व्यापार सैन्य व्यवस्था के साथ जैवविविधता का विकसित भारत संकल्प यात्रा में प्रभाव", Organized by Department of History, M.B. Govt. P.G. College Haldwani	International	20 th Oct 2024

REFRESHER COURSES

1. Two Week Refresher Course on Vista in Zoological Teaching. Department of Zoology, University of Allahabad (30 Jan – 13 Feb 2008).
2. Three Week Refresher Course on Information & Communication Technology (MD). UGC – Academic Staff College, University of Allahabad (20 Jan – 09 Feb 2012)
3. Two Week Refresher Course on ‘Action Zoology: The Emerging Trends. IASC, INSA, NASI, Department of Zoology, University of Allahabad (05 Sep – 19 Sep 2012).
4. Three Week Summer School on Globalization. UGC – Academic Staff College, University of Allahabad (25 May – 14 June 2013).
5. SHORT TERM COURSE ON BIOTECHNOLOGY, HEALTH AND DIAGNOSTICS, CMDR, MNNIT, ALLAHABAD (24 Jan to 28 Jan 2015)
6. THREE MONTHS PRCN COURSE FOR NCC OFFICERS, OTA, KAMPTTEE, NAGPUR, (11 JULY TO 08 OCTOBER 2016)
7. UGC SPONSORED ORIENTATION PROGRAMME, HRDC, UNIVERSITY OF ALLAHABAD (29 March to 25 April 2017).
8. UGC SPONSORED SPECIAL WINTER/SUMMER SCHOOL (Interdisciplinary Refresher Course), HRDC, UNIVERSITY OF ALLAHABAD (21 June to 11 July 2018).
9. FDP ON "RESKILLING USING ICT TOOLS", Dr. MGR Educational and Research Institute, Maduravoyal, Chennai (15 June to 21 June 2020).
10. ONE WEEK ONLINE TRAINING PROGRAM ON ADVANCED DATA ANALYSIS USING SPSS, SCIENCE TECH INSTITUTE, LUCKNOW, UTTAR PRADESH (08 Oct to 14 Oct 2020).
11. Inter/Multi-disciplinary Refresher Course in “Sustainable Development and Climate Change”, UGC- HRDC, UNIVERSITY OF ALLAHABAD (23 Feb to 08 March 2023).
12. NCC Refresher course (REF/SD/PT-I-142), OTA Kamptee, Nagpur (10 April to 09 May 2023).
13. NATIONAL TRAINING PROGRAMME ON "EXPLORING BIO-TECHNIQUES TO ASSESS THE ROLE OF MICROORGANISMS, NEHRU GRAM BHARATI (DEEMED TO BE UNIVERSITY) PRAYAGRAJ, FRC-ER PRAYAGRAJ AND ECO HEALTH BIO-SCIENCES INDUSTRIES LUCKNOW (15 June to 21 June 2023).
14. Subject Refresher Course on “Environmental Studies” open to all, UGC- HRDC, ALIGARH MUSLIM UNIVERSITY, ALIGARH (16 August to 29 August 2023).
15. One day All India IQAC Workshop, organized by IQAC, Uttaranchal University, Dehradun (29 June 2024).
16. One Week Capacity Building Programme on RTE, Pro Bono Club, Kashmir Law College and Pro Bono India (22 to 28 July 2024).
17. One Week Executive Development Program (EDP) on Quality Education, Gender Equality and Strong Institutions (SDGs 4, 5, 10 & 16) “Empowering Change towards Sustainability and Equality in Higher Education”, Department of Law, Manipal University Jaipur and Law Teachers India (29 July to 02 August 2024).

LIST OF SYMPOSIA / SEMINARS / WORKSHOPS ATTENDED

1. XXI Symposium of the Society for Reproductive Biology & Comparative Endocrinology (SRBCE). Department of zoology, BHU 10-13 Feb 2003.
2. National Symposium on Ecology & Biodiversity of Aquatic Environments (SEBAE). Department of Zoology, University of Allahabad 15-17 Feb 2003.
3. Symposium on Molecular Approaches in Cytogenetics. Department of Zoology, University of Allahabad 20-22 Oct 2005.
4. National workshop on Research & Development of Jatropha plant, C.S.F.E.R., Allahabad 28 & 29 March 2006.
5. International workshop on frontiers in Nanobiotechnology. Centre of Biotechnology, University of Allahabad 1st Dec 2006.

6. National Symposium on Biodiversity Assessment, Conservation & Eco-planning. Department of botany, Ishwar Sharan Degree College, University of Allahabad. 11-12 Jan 2007.
7. All India Botanical Conference & International Symposium on Plant Biology and Environment: Changing Scenario. Department of Botany, University of Allahabad 17-19 Dec 2008
8. International Conference on Radiation, Environment & Health (ICREH). NGBU, Allahabad 19-21 Nov 2010.
9. National workshop on "Scientific Paper Writing". NASI, Allahabad, India. 22-24 oct 2011.
10. International Conference on Radiation, Cancer & Society (ICRCS). NGBU, Allahabad 26-28 Nov 2012.
11. 5th Science Conclave / INSPIRE Internship Program. IIIT- Allahabad 08-14 Dec (7 Days) 2012.

TECHNIQUES LEARNT:

- ❖ **Histopathological analysis:** Microtomy, Immunocytochemistry
- ❖ **Hematological analysis:** TLC, DLC (peripheral blood and bone marrow), Leishman's Staining
- ❖ **Immune functioning test (Tissue Culture):** Mitogen-induced Blastogenesis
- ❖ **Molecular biology:** DNA extraction, DNA and Protein Gel electrophoresis.
- ❖ **Biochemistry:** Biochemical estimation of Proteins, lipids, carbohydrates in brain and pituitary samples.
- ❖ **Protein:** ELISA, Immunohistochemistry.
- ❖ **Image Softwares:** Image J, Adobe photoshop, coral draw, Leica IM50

Honor

1. PARVAT RATN SAMMAN (11-12-2022), GANGA VISHWA DHAROHAR MUNCH, UTTARAKHAND.

I hereby declare that the information and facts state here are true and best of my knowledge.

Date: 07/02/2025

Place: Kashipur



Dr. Akash Chandra Mishra