

Curriculum Vitae

Full Name: Dr. Aman Kumar Sharma
Designation: ASSISTANT PROFESSOR
Department: Zoology
Campus: Pauri



Mobile: +91 9996055032
Email amansharma@hnbgu.ac.in

Education Qualification: B.Sc. (Honors) Zoology, Deshbandhu College, University of Delhi, 2013
M.Sc Zoology, Department of Zoology, Kurukshetra University, Kurukshetra, 2015
Ph.D. in Zoology, Department of Zoology, Kurukshetra University, Kurukshetra, 2022
Title: Impact of Prostaglandins on ultrastructure, lipid biochemistry and gene expression in Granulosa cells of Ovarian follicles of Goat (*Capra hircus*)

Teaching & Research Experience: 07 Years

RESEARCH GATE LINK: <https://www.researchgate.net/profile/Aman-Sharma-54>

GOOGLE SCHOLAR LINK: <https://scholar.google.com/citations?hl=en&user=iP1rfoIAAAJ>

SCOPUS LINK: <https://www.scopus.com/authid/detail.uri?authorId=57214450317>

WEB OF SCIENCE LINK: <https://www.webofscience.com/wos/author/record/AEC-6792-2022>

ORCID ID: <https://orcid.org/0000-0003-3525-4169>

VIDWAN ID LINK: <https://vidwan.inflibnet.ac.in/profile/349895>

*Assistant Professor, Department of Zoology, Career Point University, Kota, Rajasthan (25-07-2022 to 8-08-2023)

*Assistant Professor, Department of Zoology, Raffles University, Neemrana, Rajasthan (9-08-2023 to 16-09-2023)

*Assistant Professor, Department of Zoology, BGR Campus, HNBGU, Pauri (18-09-2023 to present)

Research Interest and Fields of Specialization

- Reproductive Biology
- Toxicology
- Cell and Molecular Biology
- Biochemistry
- Endocrinology
- Physiology
- Histology and Electron Microscopy
- Ecology, Conservation Biology

Curriculum Vitae

- Neuroscience

Membership of Scientific Organizations

- Life time member of scientific Committee of Scientific International Publishing House registered under the ministry of SME, Govt of India (SIPH)
- Life time member of Indian Society for the Study of Reproduction and Fertility (ISSRF)

Symposium/Workshop/Training Attended

- Two-week Faculty Development Programme on “NEP 2020 Orientation and Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission organised by Malaviya Mission Teacher Training Centre, Tripura University, Suryamaninagar, Tripura (11-03-2024 to 22-03-2024)
- One week Faculty Development Programme on “Recent Trends of Teaching Learning Pedagogy in Higher Education” held from August 13-19, 2023, organized by School of Law, Raffles University, Neemrana, Rajasthan
- Workshop on Intellectual Property Rights (IPR) and Basics of Patent Filing organized by School of Basic and Applied Sciences in association with IPR Cell of Career Point University, Kota on 18/01/2023 at Auditorium, CPU Campus, Alaniya, Kota, Rajasthan.

Paper presentation/Participation in Conferences

- | | |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10-2016 | Paper presented on “Atrazine induced changes in goat testis <i>in vitro</i> ” in Dr. S.S. Guraya Memorial Seminar on Recent Advances in Animal Reproduction organized by Punjab Agricultural University, Ludhiana. |
| 11-2016 | Paper presented on “Atrazine induced changes in caput region of goat testis <i>in vitro</i> ” in National Conference on Evolving New Horizons of Zoological Sciences in Human Welfare organized by Department of Zoology, Kurukshetra University, Kurukshetra. |
| 03-2017 | Paper presented on “Granulosa cells heterogeneity and its hormonal impact” in Challenges in Sustainable Management of Natural Resources organized by Department of Zoology, Kurukshetra University, Kurukshetra. |
| 02-2018 | Paper presented on “Atrazine induced changes in cauda region of goat testis <i>in vitro</i> ” in 30 th All India Congress of Zoology and National Seminar on Advances in Zoology for Sustainable development sponsored by UGC SAP organized by Department of Zoology, Kurukshetra University, Kurukshetra |
| 02-2019 | Paper presented on “Prostaglandins induced changes in histoarchitecture of granulosa cells in goat ovaries” in the Global Conference on Reproduction Health with Focus on Occupational, Environmental and Lifestyle Factors (ISSRF- 2019) organized by AIIMS at JNU Convention Center New Delhi-110067. |
| 02-2020 | Paper presented on “Impact of Prostaglandin series E ₂ and F _{2α} on granulosa cells of caprine antral follicles” in world congress on Reproductive Health with Emphasis on Reproductive cancers, infertility, and assisted Reproduction (ISSRF-2020) organized at Shri Mata Vaishno Devi University, Katra, Jammu |
| 06-2021 | Attended International conference on “Recent advances in social sciences, Humanities, Management and Scientific Research” organized by Eudoxia Research Centre, India (RAMAS-2021) |

Curriculum Vitae

- 03-2023 Paper presented on “The effect of *Neochetina eichhorniae* on the growth of *Eichornia crassipes* at Ayana Pond, Kota, Rajasthan in International Conference on Latest Trends & Innovations in Pharmaceutical and Biosciences (ICLTIPB-2023) organized by Career Point School of Pharmacy, CPU Kota, Rajasthan
- 11-2023 Paper presented on “Pesticides and Reproductive Functions” in international conference on innovative advancements in Basic and Applied Sciences organized by school of basic and applied sciences, Raffles University, Neemrana, Rajasthan, India (INCIABAS-2023)
- 12-2023 Paper presented on “Prostaglandins and Reproductive Functions” in international conference on Recent Advances in Animal Biology and Conservation organized by Department of Zoology, University College, Thiruvananthapuram, Kerala, India (ICRABC-2023)

Chaired Session in conferences

- Chaired session in **International Conference** on latest Trends & Innovations in Pharmaceutical and biosciences (ICLTIPB-2023) organized by CPU dated 18th March 2023

Publications

- Sharma, R. K., Singh, P., Setia, A., & Sharma, A. K. (2020). Insecticides and ovarian functions. *Environmental and molecular mutagenesis*, 61(3), 369-392. DOI: [10.1002/em.22355](https://doi.org/10.1002/em.22355)
- Sharma, A. K., & Sharma, R. K. (2020). Effect of prostaglandins E2 and F2 α on granulosa cell apoptosis in goat ovarian follicles. *Iranian Journal of Veterinary Research*, 21(2), 97. DOI: [10.22099/ijvr.2020.35165.5175](https://doi.org/10.22099/ijvr.2020.35165.5175)
- Sharma, A. K., & Sharma, R. K. (2023). Microscopic Analysis Of Prostaglandins PGE2 And PGF2 α Treated Granulosa Cells Of Caprine Antral Follicles. *Journal of Pharmaceutical negative results*, 1884-1891. DOI: [10.47750/pnr.2023.14.03.243](https://doi.org/10.47750/pnr.2023.14.03.243)
- Jatav, A. K., Sharma, A. K., & Johari, S. Status, Guild and Diversity of Avian Fauna in Shergarh Wildlife Sanctuary, Atru District, Baran, Rajasthan, India. In *Biological Forum—An International Journal*, 15(5a): 613-622(2023). <https://www.researchtrend.net/bfij/pdf/Status,-Guild-and-Diversity-of-Avian-Fauna-in-Shergarh-Wildlife-Sanctuary,-Atru-District,-Baran,-Rajasthan,-India-Arun-Kumar-Jatav-96.pdf>
- Jatav, A. K., Sharma, A. K., & Johari, S. (2023). A Study on the Bird Diversity of Shergarh Wildlife Sanctuary District, Baran, Rajasthan, India. In *Biological Forum—An International Journal* (Vol. 15, No. 3, pp. 771-777). <https://www.researchtrend.net/bfij/pdf/A-Study-on-the-Bird-Diversity-of-Shergarh-Wildlife-Sanctuary-District,-Baran,-Rajasthan,-India-Arun-Kumar-Jatav-120.pdf>.
- Sharma, A. K., Sharma, R. K., & Sharma, M. B. (2023). Prostaglandins and Ovarian Follicles. *Adv. Biores.*, Vol 14 (1) January 2023: 27-42. DOI: [10.15515/abr.0976-4585.14.1.2742](https://doi.org/10.15515/abr.0976-4585.14.1.2742)
- Sharma, A. K., & Gandhi, A. Histomorphological Alterations in Goat Testicular Tissues by Cyfluthrin and Its Restoration by Vitamin E. In *Biological Forum—An International Journal*, 15(5):

Curriculum Vitae

1595-1597(2023) <https://www.researchtrend.net/bfij/pdf/Histomorphological-Alterations-in-Goat-Testicular-Tissues-by-Cyfluthrin-and-Its-Restoration-by-Vitamin-E-AK-Sharma-240.pdf>.

Chapters in Book published

- Sharma, Aman Kumar. (2022). *Thinkers: Creating New Ideas for Research: in Vitro*, Atrazine caused changes in the caput Region of goat testis published by Eudoxia Research University-USA & Eudoxia Research Centre, India, **ISBN-979-8357395740**

Book Published

- Sharma, Aman Kumar. (2023). *Effect of Prostaglandins in Granulosa Cells of Ovarian Follicles of Goat* published by Rathore Academic Research Publications, Sangam Vihar, New Delhi, India, **ISBN-978-93-90648-62-7**

Proceedings in Conferences

R. Mishra, M. Kumar, B. S, A. K. Sharma, C. Raja and T. T. Moharekar, "An Efficient Deep Learning Model for Intraoperative Tissue Classification in Gynecological Cancer," *2023 9th International Conference on Smart Structures and Systems (ICSSS)*, CHENNAI, India, 2023, pp. 1-6, [DOI: 10.1109/ICSSS58085.2023.10407080](https://doi.org/10.1109/ICSSS58085.2023.10407080).

Patent Publications

- *Machine learning and deep learning-based Approaches for prediction of brain Disease, Diagnosis, brain disorders and brain tumors* **Patent Application number 202311011539**

Patents Design

- Solar-powered Farming soil and water analyzing device **Application number 381933-001**
- Breast Cancer Detection Device using microcalcification **UK design number 6329815**

Awards/Honours/Fellowships

- Junior Research fellowship by CSIR-UGC from July 2017 to June 2019
- Senior Research Fellowship by CSIR- UGC from July 2019 to December 2021
- Research Excellence award dated 10-08-2023 by Scientific International Publishing House registered under the ministry of SME, Govt of India
- Best Paper Presentation Award in international conference on Recent Advances in Animal Biology and Conservation organized by Department of Zoology, University College, Thiruvananthapuram, Kerala, India (ICRABC-2023)

Editorial Work

- Reviewer at reputed journals such as Asian Journal of Medicine and Health, Journal of Experimental Agriculture International
- Edited Chapter "EFFECT OF SUPPLEMENTING SEA ALGAE (GANODERMA®) TO DIETS ON REPRODUCTIVE CAPABILITIES OF RABBITS" in book namely Innovations in Biological Science published by B P International, 27 Old Gloucester Street London WC1N 3AX, UK, Fax: +44 20-

Curriculum Vitae

3031-1429

Administrative Responsibilities

- Examination Co-ordinator of the Department at Career Point University, Kota
- Member of the NAAC Committee (internal) at CPU, Kota
- Member of KHO-KHO game in the sports club, CPU, Kota
- Member of the media club in IMMIX, CPU, Kota
- Coordinator of Educational Trips of the Department, SOBAS, CPU, Kota
- Member of the Tec novation committee, CPU, Kota
- Member of the Ecology and Environment Club, CPU, Kota

Additional Work

- Teaching Indian knowledge System to UG students of BGR, Campus, Hemvati Nandan Bahuguna Garhwal Central University
- Guided students of B.Sc/B. A/B. Com IV semester for the self and social development course 2 credits at BGR, Campus, Hemvati Nandan Bahuguna Garhwal Central University
- Teaching students of B.Sc/B. A/B. Com IV semester for the Physical Education and Sports Management at BGR, Campus, Hemvati Nandan Bahuguna Garhwal Central University