


FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	Mamta	Last Name	Tripathy	Photograph
Designation	Assistant Professor					
Department	Zoology					
Address (Official)	Department of Zoology, Kalindi College, University of Delhi, East Patel Nagar, Delhi 110 008					
Phone No.	09643305290					
Email	mamtatripathy@kalindi.du.ac.in					
Education						
Subject	Institution		Year	Details		
Comparative Endocrinology	Department Of Zoology, University Of Delhi		2017	Doctor of Philosophy		
Zoology	Department Of Zoology, University Of Delhi		2011	Master of Science (Zoology)		
Zoology	Miranda House, University Of Delhi		2009	Bachelor of Science (Hons.) Zoology		
Career Profile						
Organization/Institution		Designation		Duratin		
Kalindi College University of Delhi		Assistant Professor		➤ August 07, 2019 onwards ➤ January 07, 2019 – April 06, 2019 ➤ July 26, 2018 – October 1, 2018 ➤ July 30, 2018 – November 24, 2018 ➤ July 24, 2017 – November 16, 2017		
Hansraj College University of Delhi		Assistant Professor		➤ February 13, 2018 – April 27, 2018		
Swami Sraddhanand College University of Delhi		Assistant Professor		➤ January 8, 2018 – April 27, 2018		
Maitreyi College University of Delhi		Assistant Professor		➤ July 26, 2018 – October 1, 2018 ➤ September 16, 2017 – November 1, 2017		
Research Interests / Specialization						
➤ Endocrinology ➤ Reproductive biology ➤ Molecular biology ➤ Transcriptomics and bioinformatics						
Teaching Experience (Subject/papers taught)						
➤ Developmental Biology ➤ Physiology ➤ Biochemistry ➤ Cell Biology						

- **Genetics**
- **Ecology**

Research Assignments

- **Principal investigator for the In-house project titled “Linking urban green spaces with potential green spaces” (Zoo/09/2019), Kalindi college, University of Delhi.**

Administrative Assignments / Contribution to corporate life

- **Co-convenor, Zoonomia, Zoological Society, Kalindi College**
- **Member, Digitization, Automation and computational support, IQAC, Kalindi College**
- **Member, ARIIA committee, Kalindi College**
- **Member, MIS committee, Kalindi College**
- **Member, Garden committee, Kalindi College**

Teaching Experience (Subject/Courses taught)

- **Developmental Biology**
- **Physiology**
- **Biochemistry**
- **Cell biology**
- **Genetics**
- **Ecology**

Publication (Peer Reviewed/Indexed Journals)

(5 Research publications in International peer-reviewed journals)

- **Dotania K., Tripathy M., Rai U., 2021. A comparative account of nesfatin-1 in vertebrates. General and Comparative Endocrinology; 312: 113874**
- **Priyam M, Tripathy M, Rai U, Ghorai SM, 2018. Divergence of protein sensing (TLR 4, 5) and nucleic acid sensing (TLR 3, 7) within the reptilian lineage. Molecular Phylogenetics and Evolution;119:210-224**
- **Tripathy, M., Rai, U., 2017. Temporal expression and gonadotropic regulation of aromatase and estrogen receptors in the ovary of wall lizard, Hemidactylus flaviviridis: correlation with plasma estradiol and ovarian follicular development, Steroids; 128:23-31**
- **Tripathy, M., Priyam, M., Rai, U., 2017. Repertoire of bone morphogenetic proteins and growth/differentiation factors in ovary of the Indian wall lizard (Hemidactylus flaviviridis) with emphasis on differential expression and gonadotropic regulation of bmp15 and gdf9, General and Comparative Endocrinology; 253:13-24**
- **Priyam M., Tripathy M., Rai U, Ghorai SM, 2016. Tracing the evolutionary lineage of pattern recognition receptor homologues in vertebrates: An insight into reptilian immunity via de novo**

sequencing of the wall lizard splenic transcriptome. *Veterinary Immunology and Immunopathology*; 172:26-37

- Singh, V., Priyam, M., Tripathy, M., Rai, U., 2016. "Purification and identification of 25-hydroxycholesterol in a reptile: seasonal variation and hormonal regulation". *General and Comparative Endocrinology* 247:130-137.

Seminar/Workshop/Conferences (Presentation/Organisation/Participation)

Presented Paper

- Tripathy, M., Rai, U., 2021. Ovarian Progesterone Receptor in *Hemidactylus flaviviridis*: Reproductive Phase-dependent Expression Pattern, Gonadotropic Regulation and Correlation with Plasma Progesterone Level, poster presentation in "International Colloquium on Regulatory Mechanisms underlying Behavior, Physiology and Development held at New Department of Zoology, University of Delhi from March 24th to March 26th, 2021
- Tripathy, M., Krittika Dotania, Rai, U., 2017. Growth/differentiation factor 9 in the ovary of wall lizard: its probable role in folliculogenesis, oral presentation in "International Symposium on Recent Advances in Comparative Endocrinology" held at Chennai, Tamil Nadu from 29th November, 2017 to 1st December, 2017.
- Tripathy, M., Rai, U., 2015. Follicle stimulating hormone receptor in ovary of wall lizards: differential expression and gonadotropic regulation, poster presentation in "National Symposium on Comparative Endocrinology and Reproductive Biology" held at Visva Bharati University, Santiniketan, West Bengal from 1-3 October, 2015.
- Tripathy, M., Rai, U., 2015. Bone morphogenetic protein 15 (bmp 15) during folliculogenesis in female wall lizards: Stage specific expression analysis and gonadotropic regulation, oral presentation in "International symposium on Comparative Endocrinology and Integrative Physiology" held at Thiruvananthapuram, Kerala from 4-7 August, 2015.

Workshops/ Schools/Conferences organized

- Organized as Co-convenor, Zoonomia, Zoological society, Kalindi College online lecture on "Women in Science" by Dr. Meenakshi Munshi on 8th March, 2021
- Organized as Co-convenor, Zoonomia, Zoological society, Kalindi College, the Annual fest of Zoology Department, Kalindi College on 26th and 27th February, 2021
- Organized as Co-convenor Online Inter-college Poster making and slogan writing competition on "Mental Health for all: Greater Investment-Greater Access" on 10th October 2020 on the occasion of World Mental Health Day
- Organized as Co-convenor of Zoonomia, Zoological society, Kalindi College organized lecture on "JNU as classic example of Ridge Ecosystem" by Dr. Surya Prakash on 10th October, 2020.
- Organizing member of one day National Webinar "Biodiversity in the Anthropocene" as part of Department of Zoology and IQAC on 23rd June 2020 from 11:30 AM to 2:00 PM.
- Organizing member of one day International Webinar on "Drug development, its Challenges and the role of Nutrition in Immunboosting against Covid-19 as part of Zoology Department under aegis

of IQAC, Kalindi College, University of Delhi, Delhi, India on 20th May, 2020.

- Organizing committee member of a one day “Legal awareness Programme” organized by WDC with support of NCW held in Kalindi College, University of Delhi on 4th March, 2020.
- Organizing committee member of a one day NCW sponsored National Seminar on “Engendering laws and crimes against women: Challenges and prospects” held in Kalindi College, University of Delhi on 12th February 2020
- Organising member of a two day National Conference on “Urban Environmental Sustainability” held in collaboration with MGICCC, Govt, of NCT at Kalindi College, University of Delhi from 7th to 8th February 2019.

Participated In: (Seminars/conferences/workshops)

- National Webinar on. “Adolescent health during Covid-19 Pandemic organized by Indian Society for Reproduction and Fertility, Department of Zoology, University of Rajasthan , Jaipur held on 19th November, 2020
- One day International Webinar on “Drug development, its Challenges and the role of Nutrition in Immunboosting against Covid-19 as part of Zoology Department under aegis of IQAC, Kalindi College, University of Delhi, Delhi, India on 20th May, 2020.
- Two-day online conference on “Environmental pollutants and cancer” Central University of Himanchal Pradesh, School of life sciences on 20th and 21st May, 2020
- One day webinar on Art and Science of Mentoring” organized by Daulat Ram College on 1st June, 2020
- Three day webinar on “Shift in Paradigm: online education” organized by Mahatma Hansraj Faculty Development Centre” from 9th June, 2020 to 11th June, 2020
- One day training sessions on “Training sessions by M-edu Professionals for effective functioning of e-office” organised by IQAC Kalindi College, University of Delhi, India on 11th June, 2020.
- National online workshop on “Face Yoga in the times of COVID-19” organized by Counselling cell, Kalindi College, on 27th June, 2020
- One day International Webinar on “How to Build up Efficient against respiratory infections including Covid-19 issue” organised by Zoology Department under the aegis of IQAC, Kalindi College, University of Delhi and Biomedical and Biotechnological Centre (BBZ), University of Leipzig, Germany at Delhi, India on 28th June, 2020.
- “International Symposium on Comparative Endocrinology and Stress Physiology” held at University of Kerala, Trivandrum, India from February 16-18, 2012.
- “National Colloquium on Recent Advances in Molecular and Cellular Endocrinology” held at Department of Zoology, Banaras Hindu University, Varanasi, India from September 23-25, 2011.
- Volunteered in National Workshop on Techniques for endocrine research held at Department of Zoology, University of Delhi, from December 20-29, 2012.

Participated In: (Refresher course/Oreintation/Faculty development programmes)

- Attended and completed One Week Online Faculty Development Programme on “E-content

development & Online teaching” organized by Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. of India Ramanujan College from 07 February, 2021 - February 14, 2021

- **Attended and completed Two Week Online Faculty Development Programme on “Research Methodology” organised by Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. of India Ramanujan College from 1st October 2020-15th October 2020**

Awards & Distinctions

- **Best oral presentation in the “International Symposium on Comparative Endocrinology and Integrative Physiology” held at Thiruvananthapuram, Kerala from 4-7 August, 2015.**

Professional Societies Memberships

- **Life member of the “Indian Society for Comparative Endocrinology”**
- **Life member of “Indian Society for the Study of Reproduction & Fertility”**