

Short CV



Name: Dr. Asamanja Chatteraj

Designation: Associate Professor

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- **Qualifications:**

B.Sc (Hons.) Zoology (Life Science) (1998), Visva-Bharati

M.Sc Zoology (2000), Visva-Bharati

Ph.D. in Zoology (2008), Visva-Bharati.

- Experience:

Postdoctoral: Total: 3 years and 04 months

University of Michigan, USA; USUHS, USA

Teaching and Research experience: 7 years and Continuing

Guru Ghasidas Viswavidyalay, Bilaspur, Chhattisgarh, and Institute of Bioresources and Sustainable Development, Imphal, Manipur

Area of Interest: Environmental factors and rhythm physiology

- **Research:**

Doctoral study: Photoinduction and Reproduction: Role of Pineal Organ in Female Indian Major carp *Catla catla*

Postdoctoral study:

1. Enumerated the molecular regulation of the production of indoleamines, in mammals.
2. Established *Octodon degus* as a diurnal animal model for the chronobiological studies

Publication highlights: 31 papers; 1 book; 1 book chapter; 04 sequence submission; Citation:657; h-index:15; i10-index:17

- **Fellowships/Awards:**

- “Membership in Reproduction and Endocrinology” by the Society for Reproductive Biology and Comparative Endocrinology-2016
- “Prof MA Akbarsha Oration Award” for the contribution in endocrinology by the Society for Reproductive Biology and Comparative Endocrinology-2015
- “Prof N J Chinoy Poster Award” by the Society for Reproductive Biology and Comparative Endocrinology-2005
- Senior Research Associateship under Scientists’ Pool Scheme from Council of Scientific and Industrial Research (CSIR), Pusa, NewDelhi, India.
- Dr D.S. Kothari Post-doctoral Fellowship from UGC (Not availed)
- Post-doctoral Research Fellow in Graduate School of Nursing & School of Medicine: Department of Biochemistry and Molecular Biology Uniformed Services University of the Health Sciences, Bethesda, USA.
- Post-doctoral Research Fellow in the Medical School, University of Michigan, USA.
- **Selected Publications:** (Recent five)
 - Khan ZA, Labala RK, Yumnamcha T, Devi SD, Mondal G, Sanjita Devi H, Rajiv C, Bharali R, **Chattoraj A. 2018.** Artificial Light at Night (ALAN), an alarm to ovarian physiology: A study of possible chronodisruption on zebrafish (*Danio rerio*). **Science of The Total Environment** 628–629, 1407-1421. <https://www.sciencedirect.com/science/article/pii/S0048969718304911>
 - Yumnamcha T, Khan ZA, Rajiv C, Devi SD, Mondal G, Sanjita Devi H, Bharali R, **Chattoraj A. 2017.** Interaction of Melatonin and Gonadotropin-Inhibitory Hormone on the Zebrafish Brain-Pituitary-Reproductive Axis. *Molecular reproduction and development.* 84:389-400 <https://www.ncbi.nlm.nih.gov/pubmed/28295807>
 - Rajiv C, Sanjita Devi H, Mondal G, Devi SD, Khan ZA, Yumnamcha T, Bharali R, **Chattoraj A. 2016.** Daily and Seasonal Expression Profile of Serum Melatonin and Its Biosynthesizing Enzyme Genes (tph1, aanat1, aanat2, and hiomt) in Pineal Organ and Retina: A Study under Natural Environmental Conditions in a Tropical Carp, *Catla catla*. **Journal of Experimental Zoology Part A: Ecological Genetics and Physiology** 325:688-700. <https://www.ncbi.nlm.nih.gov/pubmed/28198154>
 - Rajiv C, Sanjita Devi H, Mondal G, Devi SD, Khan ZA, Yumnamcha T, Bharali R, **Chattoraj A. 2016.** Cloning, phylogenetic analysis and tissue distribution of melatonin bio-synthesizing enzyme genes (Tph1, Aanat1, Aanat2 and Hiomt) in a tropical carp, *Catla catla*. **Biological Rhythm Research**:1-16. <http://www.tandfonline.com/doi/full/10.1080/09291016.2016.1263019>
 - Khan ZA, Yumnamcha T, Rajiv C, Sanjita Devi H, Mondal G, Devi SD, Bharali R, **Chattoraj A. 2016.** Melatonin biosynthesizing enzyme genes and clock genes in ovary and whole brain of zebrafish (*Danio rerio*): Differential expression and a possible interplay. **General and comparative endocrinology** 233:16-31. <https://www.ncbi.nlm.nih.gov/pubmed/27179881>