



Sunita Patel
Research Scholar

School: School of Studies in Life Science

Department: Zoology

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Qualifications:

S. No	Degree	Institution	Board/University	Year of passing
1	Ph.D.	Department of Zoology, Guru Ghasidas Vishwavidyalaya	Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh	Ongoing
2	B.Ed.	Shri Rawatpura Sarkar College of Education, Dhaneli, Raipur	Pt. Ravishankar Shukla University, Raipur (C.G.)	2020
3	M.Sc.	Department of Zoology, Guru Ghasidas, Vishwavidyalaya	Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh	2018
4	B.Sc.	Panchayat College, Bargarh, Odisha.	Sambalpur University, Odisha	2016
5	12 th	Newton College of +2 Science, Sambalpur	Council of Higher Secondary Education, Odisha	2013
6	10 th	Panchayat High School, Kandapala	Higher Secondary Education, Odisha	2011

Area of Interest/ Specializations: Mammalian Reproductive Neuroendocrinology & Metabolic Functions.

Publications:

1. Patel, S., & Rai, S. (2023). Glucocorticoid-Induced Dose-Dependent Reproductive Impairments in Male Albino Rat. *Journal of Endocrinology and Reproduction*, 27(2), 99–108. <https://doi.org/10.18311/jer/2023/34312>.
2. Rai S*, Patel S and Gahir S. (2022). Impact of SARS-CoV-2 on Sleep / Wake Cycle and Melatonin. *Cell & Cellular Life Sciences Journal (CCLSJ)*. 7(2). DOI: 10.23880/cclsj-16000174
3. Rai S, Pal S, Purohit A, Patel S, Xaxa K, Roy G, Ahmad YH, Kumar R. Potential Phytotherapeutic Intervention for the Treatment of Polycystic Ovarian Syndrome. In *Herbal Medicine Applications for Polycystic Ovarian Syndrome* (pp. 71-90). CRC Press.
4. Rai S, Banjare P, Naik R, Purohit A, Patel S, Xaxa K, Roy G (2022): Melatonin Alleviates

Constant Light Induced Oxidative Stress Damages of Kidney and Spleen of Female Rat
International Journal of Zoological Investigation. 8(2): 576-586.

5. Kumar S, Mahakud N, Purohit A, Patel S, Xaxa K, Roy G, Hajam YA, Rai S. Therapeutic and Pharmacological Perspectives of Some Herbal Resources for the Treatment of Polycystic Ovarian Syndrome: A Fast-Spreading Endocrine Disorder. In Herbal Medicine Applications for Polycystic Ovarian Syndrome (pp. 131-164). CRC Press.
6. Patel S, Choudhary M, Chandra RK, Bhardwaj AK, Tripathi MK. Sex steroids exert a suppressive effect on innate and cell mediated immune responses in fresh water teleost, *Channa punctatus*. Developmental & Comparative Immunology. 2019 Nov 1;100:103415.

Conference/ Workshop/ Training:

1. Oral Presentation-International Conference on Molecular Medicine, Reproduction, and Endocrinology, Vadodara Gujrat (2023).
2. Oral Presentation-34th National Conference organized by Zoological Society of India, Kashmir University, Kashmir (2023).
3. Poster Presentation-International Conference on Reproductive Biology, Comparative endocrinology and Development and 39th Annual meeting of the Society for Reproduction biology and Comparative Endocrinology, Hyderabad (2022).
4. In silico molecular biology & genetic engineering tools- Hands-on workshop. Biosetup Lifesciences (2022).
5. Participation- "10 days hands-on training program in Environmental, Molecular Sciences at ICMR Bhopal (2021).

Awards

1. Best oral- National Conference organized by Zoological Society of India, Kashmir University
2. Rajiv Gandhi National Fellowship for Other Backward Classes (NFOBC) (2021).

Achievements

1. National Eligibility Test - Junior Research Fellow in Life Science 2021, Council of Scientific & Industrial Research (CSIR-UGC-NFOBC), MHRD, New Delhi, Govt. of India.
2. Senior Research Fellow in Life Science 2023, Council of Scientific & Industrial Research (CSIR-UGC-NFOBC), MHRD, New Delhi, Govt. of India.
3. GATE - Life Science (XL) 2020
4. CG SET 2020