

Prateek Kumar Sahu

Graduate Student
Department of Psychology
University of Alberta, CA

Contact

psahu@ualberta.ca
<https://prateeksahu.com>

Education

- **University of Alberta** Edmonton, Canada
PhD, Department of Psychology 2022 - Now
- **University of Alberta** Edmonton, Canada
MSc, Department of Psychology 2019 - 2022
- **Indian Institute of Science Education and Research** Kolkata, India
BSc & MSc, Department of Biological Sciences 2013 - 2018

Research Experience

- Methodological comparisons of classification techniques and refinement of an operant go/no-go procedure
Dr. Christopher Sturdy Masters' thesis
2019-2022
- Neural basis of sugar elicited search behaviour of *Drosophila*
Dr. Axel Brockmann Research Project
2018-2019
- Understanding reunification dynamics in ant colonies
Dr. Sumana Annagiri Summer Project, Masters' thesis
2015, 2017-2018
- Consistency in personality traits of the shoals of climbing perch
Dr. V. V. Binoy Summer Project
2016

Publications

6. **Sahu, P.K.**, Montenegro, C., Lambert, C.T., Oprea, A., Deimeke, M.J., Rennie, V., Smeltz, S.M.L, Benowicz, T.J., Patel, D., Phillmore, L.S., & Sturdy, C.B. (2022) Effect of feed-time duration on discrimination of vocalizations in a go/no-go operant paradigm, *Behavioural Processes*, <https://doi.org/10.1016/j.beproc.2022.104777>
5. **Sahu, P.K.**, Campbell, K.A., Oprea, A., Phillmore, L.S., & Sturdy, C.B. (2022) Comparing methodologies for classification of zebra finch distance calls, *The Journal of the Acoustical Society of America*, 151, 3305 <https://doi.org/10.1121/10.0011401>
4. Lambert, C.T., **Sahu, P.K.**, Sturdy, C.B., & Guillette, L.M. (2022) Among-individual differences in auditory and physical cognitive abilities in zebra finches, *Learning & Behaviour*, <https://doi.org/10.3758/s13420-022-00520-w>

3. Montenegro, C., Sahu, P.K., & Sturdy, C.B. (2021). Individual differences in female black-capped chickadee (*Poecile atricapillus*) fee-bee songs, *The Journal of the Acoustical Society of America*, 150(4), 3038-3046, <https://doi.org/10.1121/10.0006532>
2. Montenegro, C., Service, W.D., Scully, E.N., Mischler, S.K., Sahu, P.K., Benowicz, T.J., Fox, K.V. R., & Sturdy, C.B. (2021). The impact of anthropogenic noise on individual identification via female song in Black-capped chickadees (*Poecile atricapillus*), *Scientific Reports*, 11(1), <https://doi.org/10.1038/s41598-021-96504-3>
1. Sahu, P.K., Kolay, S. & Annagiri, S. (2019) To reunite or not: A study of artificially fragmented *Diacamma indicum* ant colonies, *Behavioural Processes* 158, 4-10 <https://doi.org/10.1016/j.beproc.2018.10.017>

Teaching Experience & Service

- Teaching assistant: Basic Psychological Processes (2019, 2020, 2021), Behaviour Modification (2020, 2021, 2022), Principle of Learning (2020), Behaviour & Genetics (2021), Neuroethology (2022)
- Skype A Scientist: [The importance of making sounds in animals](#): Talk at Sekolah Bina Persada School, Indonesia (2022)

Awards & Scholarships

Scholarship from Department of Psychology, University of Alberta	2019- 2022
INSPIRE Fellowship	2013- 2018
National Means cum Merit Scholarship	2008- 2010

Conferences

- International Conference On Comparative Cognition 2021
- Animal Behaviour Society Conference 2020
- Virtual ROYCE Conference 2020
- Insect Multisensory Integration Workshop 2019
- 2nd Bangalore Meeting on Asian Bees 2019
- Preparatory School on Population Genetics and Evolution 2019
- Understanding Behaviour 2019
- Workshop on Cyberspace and Cyber Security 2017
- The Ambassadors of Evolution Workshop 2017
- The 10th Year Celebration of IISER Kolkata Advances in Life Sciences 2017

Manuscript Reviews

Ostrich (2022), PeerJ (2022), Behavioral Ecology and Sociobiology (2022)

Skills

Animal care, handling birds University of Alberta, 2019-now
Raising and handling Drosophila National Centre for Biological Sciences, 2018-19
Insect(Ants, Bees) research and basics of insect biology IISER-K,NCBS 2015-19
Handling fishes National Institute of Advanced Studies, 2016
Coding and Statistics "R", "Python", "Matlab"
Graphics Designing "Photoshop", "Illustrator"

References

- Dr. Christopher Sturdy
Professor
Department of Psychology
University of Alberta, CA
email: csturdy@ualberta.ca
- Dr. Sumana Annagiri
Professor
Department of Biological Sciences
Indian Institute of Science Education and Research, Kolkata
email: annagiri.sumana@gmail.com
- Dr. Axel Brockmann
Assistant Professor
National Centre for Biological Sciences, Bangalore, India
email: axel.ncbs@gmail.com