

# Prateek Kumar Sahu

Graduate Student  
Department of Psychology  
University of Alberta, CA

## Contact

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## 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 Masters' thesis  
*Dr.Christopher Sturdy* 2019-2022
- Neural basis of sugar elicited search behaviour of Drosophila Research Project  
*Dr.Axel Brockmann* 2018-2019
- Understanding reunification dynamics in ant colonies Summer Project, Masters' thesis  
*Dr.Sumana Annagiri* 2015,2017-2018
- Consistency in personality traits of the shoals of climbing perch Summer Project  
*Dr.V. V. Binoy* 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., & Guillelte, 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), Animal Cognition (2023)*

## 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  
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- Dr. Sumana Annagiri  
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