

# Prateek Kumar Sahu

PhD Candidate  
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., & 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, 2022), Behaviour Modification (2020, 2021, 2022, 2023), Principle of Learning (2020), Behaviour & Genetics (2021), Neuroethology (2022), Honours Seminar: Writing course (2023)
- Skype A Scientist: [The importance of making sounds in animals](#): Talk at Sekolah Bina Persada School, Indonesia (March, 2022)
- Skype A Scientist: The importance of organisms in an ecosystem : Talk at St.Helen Catholic Academy, New York, USA (May, 2023)
- Skype A Scientist: Studying Animal Sounds: Talk at Jonas Bronck Academy, Bronx, New York, USA (January, 2024)

### Awards & Scholarships

Alberta Graduate Excellence Scholarship (AGES) . . . . .	2023-24
Scholarship from Department of Psychology, University of Alberta . . . . .	2019-22
INSPIRE Fellowship . . . . .	2013-18
National Means cum Merit Scholarship . . . . .	2008-10

### Conferences

- International Conference On Comparative Cognition 2023
- 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
- The Frontiers in Modern Biology (FIMB) symposium 2015

## Manuscript Reviews

*Ostrich (2022), PeerJ (2022, 2023), Behavioral Ecology and Sociobiology (2022), Animal Cognition (Jan, 2023), Animal Behaviour (Apr, 2023), Animal Behaviour (Sept, 2023), The Journal of the Acoustical Society of America (Oct, 2023), Journal of Comparative Psychology (Nov, 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  
 Professor  
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- Dr. Sumana Annagiri  
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 Indian Institute of Science Education and Research, Kolkata  
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- Dr. Axel Brockmann  
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 National Centre for Biological Sciences, Bangalore, India  
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