

Prateek Kumar Sahu




Graduate Student at University of Alberta, Canada

Bachelors and Masters from IISER, Kolkata (2018)

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Education

-  **Indian Institutes of Science Education and Research, Kolkata**
BS-MS in Biological Sciences (CGPA : 8.55) 2013-2018
-  **Newton College of +2 Science, Odisha**
Higher Secondary College (Result : 81%) 2010-2012
-  **Sarkanda High School, Odisha**
High School (Result : 88%) 2008-2010

Experience

Ant Behaviour Guide : [Dr. Sumana Annagiri](#)

Summer Project 2015

- Factors affecting choice of nest site in [fragmented](#) *Diacamma indicum* ant colonies during reunification

MS Thesis 2017-2018

- Maintenance of colony [cohesion](#)
- Understanding reunification dynamics in ant

Fish Behaviour Guide: [Dr. V. V. Binoy](#)

Summer Project 2016

- Personality traits of the shoals of climbing perch (*Anabas testudineus*)
- Role of personality traits in decision making.

Drosophila Behaviour Guide: [Dr. Axel Brockmann](#)

Project 2018- 2019

- Neural basis of sugar elicited search behaviour of *Drosophila*
- Role of rutabaga in sugar search behaviour

Honours

INSPIRE Fellowship

2013- 2018

- Funded by Department of Science and Technology, Govt. of India.

National Means cum Merit Scholarship

2008- 2010

- Funded by Ministry of Human Resource and Development, Govt. of India

Courses & Lab

Major Courses

Biochemistry	Cell Biology	Evolution & Ecology
Microbiology	Plant Biology	Neurobiology
Physiology	Gene Expression	Cognition
Biostatistics	Developmental Biology	Psychology

Major Labs

Immunohistochemistry	NMR,XRD
Ecology and Evolution Lab	Cloning Lab
Drosophila Genetics	Basic Biochemistry

Skills

Graphics Design

- Adobe Photoshop CC 2018
- Adobe Premiere Pro CC 2018

Graph & Statistics

- [R v 3.4.2](#)
- Python v3.6
- Matlab 2019b

Web designing

- Front end: HTML, CSS
- Hugo
- Git

Conferences

- The Frontiers in Modern Biology (FIMB) symposium 2015
- The 10th Year Celebration of IISER Kolkata Advances in Life Sciences 2017
- Volunteer at The Ambassadors of Evolution Workshop 2017
- Workshop on Cyberspace and Cyber Security 2017

Papers

- Understanding Behaviour at IISER Kolkata 2019
- Preparatory School on Population Genetics and Evolution at International Centre for Theoretical Sciences 2019
- 2nd Bangalore Meeting on Asian Bees 2019
- Insect Multisensory Integration Workshop 2019

Contact

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>

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References

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

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