

# EBI ANTONY GEORGE

Cheeyedan House, Thoppil Rd,  
Edapally, Kochi, India – 682024   
10 July 1990   
+91 8105275211   
ebi.antony.george@gmail.com   
ORCID: 0000-0002-5533-5428   
[www.ebiantonygeorge.com](http://www.ebiantonygeorge.com) 

## ACADEMIC INTERESTS

**Social groups** | **Division of labour** | **Foraging** behaviour | Communication and **interactions** | **Quantitative** behaviour | **Network** analysis

## ACADEMIC STRENGTHS

**Collaborative** research | **Interdisciplinary** approach | **Behavioural** (manipulation) experiments | Data and **Statistical Analysis** | **Agent-based model** simulations

## EDUCATION

**Doctor of Philosophy** | NCBS, Bangalore, India

October 2019 | Ecology and Evolution | **Dr. Axel Brockmann's Lab**

**Bachelor of Technology** | National Institute of Technology, Durgapur, India

2012 | Biotechnology Major | **9.02/10.00 CGPA** (Departmental Topper)

**AISSE** | Central Board of Secondary Education, India

2008 | Montfort School, Delhi | **88.4%**

**AISSE** | Central Board of Secondary Education, India

2006 | Montfort School, Delhi | **93.5%**

## WORK EXPERIENCE

**Zukunftskolleg Invited Research Visitor** | University of Konstanz | February 2020 (3-month stay shortened due to the COVID-19 pandemic)

**Bridging Postdoctoral Fellow** | Dr. Axel Brockmann's Lab, NCBS | May 2019 – April 2020

**Summer Intern** | Dr. Upendra Nongthomba's Lab, IISc | 2011

## PROGRAMMING LANGUAGES

R | Python | NETLOGO | HTML5 & CSS3 | JavaScript

## MANUSCRIPTS

### 4. Adaptive evolution of honey bee dance dialects

Kohl, P. L. \*, Thulasi, N., Rutschmann, B., **George E. A.**, Steffan-Dewenter, I., Brockmann, A. | Proceedings of the Royal Society B | 2020

[<https://doi.org/10.1098/rspb.2020.0190>] [[Dataset](#)]

3. **Social modulation of individual differences in dance communication in honey bees**  
George, E. A.\*, Brockmann, A. | Behavioural Ecology and Sociobiology | 2019  
[\[https://doi.org/10.1007/s00265-019-2649-0\]](https://doi.org/10.1007/s00265-019-2649-0) [\[bioRxiv\]](#) [\[Dataset\]](#)
2. **Inter-individual variation in honey bee dance intensity correlates with expression of the foraging gene**  
George, E. A.\*, Bröger, A-K., Thamm, M., Brockmann, A., Scheiner, R. | Genes, Brain and Behaviour | 2019  
[\[https://doi.org/10.1111/gbb.12592\]](https://doi.org/10.1111/gbb.12592) [\[Dataset\]](#)
1. **Honey bees flexibly use two navigational memories when updating dance distance information**  
Chatterjee, A., George, E. A., Prabhudev, M. V., Basu, P., Brockmann, A.\* | Journal of Experimental Biology | 2019  
[\[https://doi.org/10.1242/jeb.195099\]](https://doi.org/10.1242/jeb.195099) [\[bioRxiv\]](#) [\[Dataset\]](#)

### Preprints

1. **Similarities in the behaviour of dance followers among honey bee species suggest a conserved mechanism of dance communication**  
George, E. A.\*, Pimplikar, S., Thulasi, N., Brockmann, A. | 2020  
[\[bioRxiv\]](#) [\[Dataset\]](#)

### PEER REVIEWS

Ecological Entomology | 2020

### PROJECT SUPERVISION

Neethu Thulasi, GKVK | Master's thesis (supervised along with Dr. Axel Brockmann) | Study on dance behaviour of little honey bee, *Apis florea* F.

### TEACHING EXPERIENCE

Teaching Assistant | Animal Behaviour Course, NCBS | 2016

Invited Guest Lecture | GKVK, University of Agricultural Sciences | 2017

### SOCIETY MEMBERSHIPS AND FELLOWSHIPS

Member, International Union for the Study of Social Insects (India Section) | From 2018

Executive Committee Member – Ethological Society of India | 2017-2019

Member, Association for the Study of Animal Behaviour | 2017

DAAD "A New Passage to India" Fellow | 2015

Member, International Society for Behavioral Ecology | 2015

Indian Academy of Science Summer Research Fellow | 2011

## CONFERENCES

### Talk

**XVIII IUSSI International Congress** | August 2018 | Guarujá, Brazil

**Behaviour 2017** | July 2017 | Estoril, Portugal

**India – Behaviour, Ecology and Evolution Conference** | March 2016 | Corbett, India

**National Conference on Ethology and Evolution** | October 2015 | IISER Mohali

### Poster Presentation

**ASAB Summer Conference** | August 2019 | Konstanz, Germany

**Conference on Collective Behaviour** | May 2018 | Trieste, Italy

**16<sup>th</sup> Congress of International Society for Behavioural Ecology** | July 2016 | Exeter, UK

**XVII IUSSI International Congress** | July 2014 | Cairns, Australia

**Being Social** | June 2013 | IISc, Bangalore

## AWARDS

**Poster Award** | Annual Talks, NCBS | 2017

**Gold Medallist** | Department of Biotechnology, NIT Durgapur | Batch of 2012

### Travel Awards

University of Konstanz Diversity Travel Grant (2019) | International Union for the Study

of Social Insects – India Section (2018) | Infosys Travel Award (2018) | International

Centre for Theoretical Physics (2018) | Association for the Study of Animal Behaviour

(2017) | International Society for Behaviour Ecology (2016)

## WORKSHOPS

**Advanced Statistics Workshop** | Indian Institute of Science, Bangalore | 2018

**Machine Learning for Ecology** | Indian Institute of Science, Bangalore | 2017

**Shoot for Science** | National Centre for Biological Sciences, Bangalore | 2017

**Advanced Data Analysis in R** | National Centre for Biological Sciences, Bangalore | 2016

## EXTRACURRICULAR ACTIVITIES

**Website Design** | Personal & Honey Bee Lab (NCBS) Website | 2020 and 2014

**Organising Committee Member** | Tangled Bank, NCBS | 2017

**Organising Committee Member** | Sympotein at NCBS | 2013 and 2012

**President** | Literary Circle, NIT Durgapur | 2011-2012

**Training & Placement Representative** | Dept. of Biotechnology, NIT Durgapur | 2011-12

**Organising Committee Member** | Model United Nations at NIT Durgapur | 2011

**Editorial Board Member** | Déjà Vu, official newsletter of NIT Durgapur | 2009-2011

I hereby declare that the above information is current and true to the best of my knowledge.

Date: 21 June 2020

Ebi Antony George