

# GIFTY ALIN JACOB



📍 Chair of Behavioural Physiology and Sociobiology  
Zoology II / Scheiner lab  
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## EDUCATION

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### Doctor of Philosophy (2022 onwards)

JULIUS-MAXIMILIANS-UNIVERSITÄT WÜRZBURG, GERMANY

- Chair of Behavioral Physiology and Sociobiology (Zoology II)

### Integrated BS-MS (2017-2022)

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM (IISER TVM), INDIA

- Major in Biological Sciences and minor in Chemical Sciences

## RESEARCH EXPERIENCE

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### Doctoral Research (September 2022 - present)

ADVISOR: PROF. RICARDA SCHEINER-PIETSCH, BIOCENTER, UNIVERSITY OF WÜRZBURG

*Title: Molecular mechanisms underlying the foraging ecology of four honey bee species in India*

- Comparison of division of foraging labour in four *Apis* species along a landscape gradient in India
- Role of octopamine and tyramine signalling in foraging-related decision making

### Master's Thesis Project (August 2021 - April 2022)

ADVISOR: PROF. HEMA SOMANATHAN, SCHOOL OF BIOLOGY, IISER TVM

*Title: Olfactory communication in the stingless bee species, *Tetragonula iridipennis**

- Role of olfactory communication in nest and nest-mate recognition in stingless bees
- Role of cuticular hydrocarbons in insect communication

### Minor Research Project (March 2021 - June 2021)

ADVISOR: DR. SUBRATA KUNDU, SCHOOL OF CHEMISTRY, IISER TVM

*Title: Late transition metal-azide complexes as the precursors of reactive metal-nitrogen species*

- Synthesis and characterisation different transition metal-azide complexes using a pyrazole-based novel ligand system