

## Faculty Profile

### 1. PERSONAL DATA

**Name** : SHANIJ K.  
**Designation** : Assistant Professor  
**Nationality** : Indian  
**Contact Address** : Department of Zoology  
Govt. Arts & Science  
College Calicut  
Kozhikode, Kerala  
India - 673018  
**Email** : shanijjk@gmail.com



### 2. ACADEMIC/PROFESSIONAL PARTICULARS

Working as Assistant Professor of Zoology in Government of Kerala Service for the last twelve years with twelve years of U G and six years of P G teaching experience. Previously worked as Research Fellow in a Ministry of Environment, Forests and Climate Change, Government of India aided project, which looked into the mutualistic interaction between crabs and mangroves in Kerala.

**(a) Field of Specialization :** Life Science; Zoology;  
Environmental Biology; Plant-Animal  
Interaction; Mangrove-Crab  
Interaction.

**(b) Academic Qualifications :**

October 2017 : **Ph D in Faculty of Science (Zoology –  
Environmental Biology)**  
University of Kerala, Kerala, India.

### 3. CAREER DETAILS

**(a) Academic Positions Held :**

June 2016 to Current : **Assistant Professor of Zoology,**  
Government Arts and Science College  
Calicut, Kerala, India.

June 2010 to May 2016: **Assistant Professor of Zoology,**  
Government College Madappally, Kerala  
India.

June 2006 to May 2010: **Research Fellow**, Jawaharlal Nehru Tropical Botanic Garden and Research Institute  
Thiruvananthapuram, Kerala, India.

## 4. Teaching

### (a) Summary of Courses Taught:

#### U G

Animal diversity, wildlife conservation, research methodology in science, biostatistics, general informatics, biotechnology, microbiology, immunology, physiology, biochemistry, reproductive health, sex education

#### P G

Systematics, evolution, biochemistry, immunology, molecular biology, genetics, cytology

### (b) Research Students Supervised/Trained

Level		Number of Trainees
Ph. D.	:	Two (doing)
Master Students	:	Four
Undergraduate Students	:	Five (Batches of students)

## 5. RESEARCH

### (a) Research Interests

- 1) Mangrove – Crab Interaction and its importance to ecosystem nutrient cycling and physico-chemical dynamics.
- 2) Plant – Animal interaction in ecosystem functioning and environmental quality maintenance.

### (b) Publications/Citations Data

Type of Publication		Number of Publications
Articles in International Refereed Journals	:	Five
Conference Papers	:	Six
Books/Book Chapters	:	Three

### (c) Research Grants

Type and Amount: **Minor Research Project, Rs. 60,000/-**

Title of the Project: **“Ecology of Wetlands Birds in the selected Wetlands of Malabar Coast of Kerala”**

Position and Duration: **Principal Investigator; 2011 - 2012.**

Institute : **Government College, Madappally, Kozhikode, Kerala, India**

Financial Assistance: **University Grants Commission, Government of India, New Delhi, India.**

## **6. SERVICE**

### **(a) Membership in Academic Bodies**

**Teacher cum Mentor** in the DHANUS project (2018 - 21) implemented by Career Development Centre, Perambra

**Member**, Board of Studies in Genetics, University of Calicut, **2020 onwards.**

## **7. List of Publications**

### **(a) International Refereed Journals** (*Published or Accepted only*)

Aarif, K. M., **Shanij, K.**, Rubio, T. C., Rajeevan, P. C. and M. Polakowski, Population trend of wintering terns at a stop-over site in Central Asian Flyway with special reference to the decline of Sandwich Tern, *Tropical Ecology*, 58(2): 449 – 454, **2017.**

Praveen, V. P., **Shanij, K.** Suresh, S., Mathew M. Oommen and T. S. Nayar, Species Preference in Seedling Predation by the Sesarmid Crab *Neosarmatium malabaricum* (Henderson, 1893) in a Mangrove Forest in India, *Wetlands*, 37(2): 59 – 66, **2016.**

**Shanij, K.**, Praveen, V. P., Suresh, S., Mathew M. Oommen and T. S. Nayar, Tree climbing and temporal niche shifting: an anti-predatory strategy in the mangrove crab *Parasesarma plicatum* (Latreille, 1803), *Current Science*, 111(7): 1201 – 1207, **2016.**

**Shanij, K.**, Praveen, V. P., Suresh, S., Mathew M. Oommen and T. S. Nayar, Leaf litter translocation and consumption in mangrove ecosystems: the key role played by the sesarmid crab *Neosarmatium malabaricum*, *Current Science*, 110(10): 1969 – 1976, **2016.**

Praveen, V. P., **Shanij, K.**, Suresh, S. and T. S. Nayar, Cannibalistic behavior in the mangrove crab *Parasesarma plicatum* (Latreille, 1803), *Journal of Bombay Natural History Society*, 112(1): 41 – 44, **2015**.

#### **(b) Conference Papers**

**Shanij, K.**, Qualitative nutritional analysis of different honey samples. **Erudite lecture & international seminar on advances in toxicological research**, Post-Graduate Department of Zoology, PSMO College, Tirurangadi, Kerala, India. **2019**

**Shanij, K.**, Litter trapping and litter consumption by sesarmid crabs; are they crucial for mangrove ecosystems? **Student Conference on Conservation Science**, Indian Institute of Science, Bangalore, India, **2010**.

**Shanij, K.**, Praveen, V. P., Mathew M. Oommen and T. S. Nayar, Crab density and burrow density: what is the correlation, **National symposium on recent advances in biodiversity of Indian subcontinent**, Zoological Survey of India, Ministry of Environment, Forests and Climate Change, Government of India, Andaman and Nicobar Islands, India, 42, **2009**.

Praveen, V. P., **Shanij, K.**, Mathew M. Oommen and T. S. Nayar, The role of Sesarmid crabs and seedling density in mangrove forests: a case study from Kunhimangalam, Kerala, India, **National symposium on recent advances in biodiversity of Indian subcontinent, Zoological Survey of India**, Ministry of Environment, Forests and Climate Change, Government of India, Andaman and Nicobar Islands, India, 48, **2009**.

**Shanij, K.**, Praveen, V. P., Mathew M. Oommen and T. S. Nayar, A study on the density of two mangrove crabs: *Neosarmatium smithi* and *Parasesarma plicatum* (Crustacea; Decapoda; Grapsidae) in the mangrove forests at Kunhimangalam, Kerala, **National Workshop – Mangroves in India: biodiversity, protection and environmental services**, Institute of Wood Science and Technology, Bangalore, India, 39, **2008**

Praveen, V. P., **Shanij, K.**, Mathew M. Oommen and T. S. Nayar, Predatory effect of the crab *Neosarmatium smithi* on *Avicennia officinalis* seedlings, **National Workshop – Mangroves in India:**

**biodiversity, protection and environmental services**, Institute of Wood Science and Technology, Bangalore, India, 40, **2008**

**(c) Books/Book Chapters**

**Shanij, K.**, Structure and composition of Kunhimangalam mangrove forest. in Abhilash E. S., Thejass P. and K. Sinitha (eds.) **Biota – a compendium of research papers**. UGC – Human resource development centre, University of Calicut, Kerala, India. 107 – 113, **2019**.

**Shanij, K.**, Praveen, V. P., Mathew M. Oommen and T. S. Nayar, Influence of environment and vegetation diversity on the density of two Sesarmid crabs in the mangrove forests of Kunhimangalam, Kerala, India. in Bhatt, J. R., Ramadevi, O. K., Nilaratna, V. P. and K. Venketaraman (eds.) **Mangroves in India: their biology and uses**. Zoological Survey of India, Ministry of Environment, Forests and Climate Change. Government of India, New Delhi. 373 – 380, **2013**.

Praveen, V. P., **Shanij, K.**, Mathew M. Oommen and T. S. Nayar, Predatory effect of the mangrove crab *Sesarmops intermedius* on seedlings of *Avicennia officinalis*: a study from Kunhimangalam, Kerala, India, in Bhatt, J. R., Ramadevi, O. K., Nilaratna, V. P. and K. Venketaraman (eds.) **Mangroves in India: their biology and uses**. Zoological Survey of India, Ministry of Environment, Forests and Climate Change. Government of India, New Delhi. 381 – 388, **2013**.

**(d) Other Publications/Presentations**

Praveen, V. P., **Shanij, K.**, Suresh, S. and Peroth Balakrishnan, Kunhimangalam, the largest mangrove in Kerala needs immediate conservation attention. **SACON ENVIS Newsletter - Sarovar Sourabh**. 11(2): 1 – 2, **2015**.