

# INTERNATIONAL SEMINAR ON TERMITES AND WHITE GRUBS

Thursday 13<sup>th</sup> October, 2022

Organizing committee:

## Chief Patron:

Dr. R. C. Jagadeesha, Vice Chancellor, KSNUAHS, Shivamogga

## Patrons:

Dr. M. Hanumanthappa, Director of Education, KSNUAHS, Shivamogga  
Dr. R. Lokesha, Registrar, KSNUAHS, Shivamogga  
Dr. Mruthunjaya Wali, Director of Research, KSNUAHS, Shivamogga  
Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga  
Dr. M. Dinesh Kumar, Dean (Postgraduate studies), KSNUAHS, Shivamogga  
Dr. N. Sivasankar, Dean (Student welfare), KSNUAHS, Shivamogga  
Dr. D. Thippesh, University Librarian, KSNUAHS, Shivamogga  
Dr. B. M. Dushyantha Kumar, Dean (Agri) & Campus Head, CoA, Shivamogga  
Dr. K. C. Shashidhar, Special Officer, CoA, Iruvacki campus

## Organizing Secretary:

Dr. Kalleshwara swamy, C. M.  
Associate Professor of Entomology, CoA, Shivamogga

## Convenor:

Dr. Hanumantha swamy, B. C., Senior Scientist and Head, KVK, Shivamogga

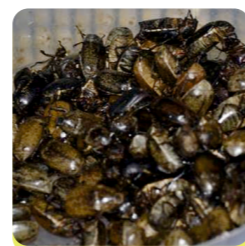
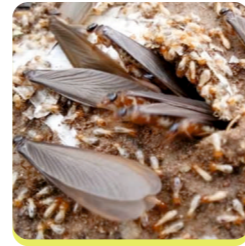
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Dr. Jan Sabotnik, Czech University of Life Sciences, Prague, Czech Republic  
Dr. David Sillam Dusses, Sorbonne Paris North University, Paris, France  
Dr. Thomas Bourguignon, Okinawa Institute of Science and Technology, Japan

**Free Registration: All the registered participants will receive a certificate of participation. Registration starts at 9.00 am on 13.10.2022**



# INTERNATIONAL SEMINAR ON TERMITES AND WHITE GRUBS

October 13, 2022



NAHEP



## Organizer

Department of Entomology, College of Agriculture,  
Keladi Shivappa Nayaka  
University of Agricultural and Horticultural Sciences,  
Shivamogga, Karnataka, India

## Sponsors

Keladi Shivappa Nayaka  
University of Agricultural and Horticultural Sciences,  
Shivamogga

ICAR- National Agricultural  
Higher Education Project (NAHEP)  
New Delhi  
&  
Ministry of Environment Forest and  
Climate Change (MoEF&CC)  
New Delhi



## About the University:

The Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga (KSNUAHS) established in September, 2012 is the first integrated Agricultural University and is the youngest among all in Karnataka. The mission of the University is to achieve excellence in teaching, research and extension in the field of Agriculture, Horticulture, Forestry and allied sciences. The University endeavours to keep pace with new frontiers of science and technology. The University, in addition to main campus at Iruvakk, Shivamogga District, has five colleges, 14 research stations and four KVKs spread over 7 districts viz., Shivamogga, Chickmagalur, Coorg, Dakshin Kannada, Udupi, Davanagere and Chitradurga covering both malnad and plains of Karnataka.

## About Department of Entomology:

Post graduation with only Master Degree in the Department of Entomology was started in Shivamogga campus during the year 2002-2003 under erstwhile University of Agriculture Sciences, GKVK, Bangalore. After bifurcation from parent university, Ph. D. degree was included from 2013 onwards. A total of 110 M.Sc. graduates and 19 Ph.D. students have completed their degree from the department so far. The department is DST-FIST funded in the year 2016, since then, state of art molecular insect systematics laboratory, Insecticide toxicology and vector entomology laboratories were established. The faculty of Department were the first to report invasive insects such as fall armyworm, *Spodoptera frugiperda* on maize and woolly whitefly, *Aleurothrixus floccosus* on guava and fruit infesting mango gall midge. Studies are being undertaken for developing IPM strategies against tomato pin worm, *Phthorimaea absoluta*, mite pests of field and horticultural crops, leafy vegetables and Tobacco. As maize is the major crop in the university jurisdiction, research on fall armyworm is being conducted with the support of University funding, and many outcomes are published in high rated International Journals. Development of Integrated Pest Management strategies for Arecanut whitegrubs, *Leucopholis lepidophora* is the major contribution from the department. With the taxonomic expertise, two new species of termites and an earwig species has been described and published. More than 100 barcodes of different species of insects have been submitted to NCBI so far.

## About the International Seminar:

The purpose of the 'International Seminar on Termites and Whitegrubs' is to bring together all the fraternity of entomologists who are engaged in research work at various organizations of National and International repute as well as eminent scientists who have contributed their best to understand these two important group of soil insects, to common forum to interact and discuss. Faculty members of the department have also contributed on these two groups of insects. The taxonomy, biology, ecology and management aspects of these two insect groups will be discussed. The seminar is being conducted with the financial support of Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga (KSNUAHS), Ministry of Environment, Forest and Climate Change (MoEF&CC) and National Agricultural Higher Education Project funded by ICAR, New Delhi.

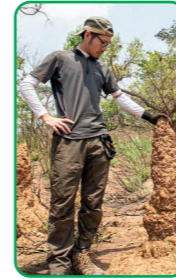
## Venue

KVK Hall, College of Agriculture, Navile Campus, Shivamogga

## About Shivamogga and site seeing places:

Shivamogga, often called 'Gate way of malnad', is an education hub and biodiversity hotspot of Karnataka state. The major part of the district lies in the Malnad region of Western Ghats. The malnad region is a biodiversity hot spot with a rich diversity of flora and fauna. The district consists of number of wild life sanctuaries and bird sanctuaries. World famous 'Jog Falls' is 120 km from the district place and this waterfalls will be in full flow during October. Hill station Agumbe (popularly called Cherrapunji of South India) is 80 km from Shivamogga and famous for its sunset view. Tyavarekoppa lion Safari is just 10km from the Campus. Arecanut, Rice, Spices and maize are the major crops of the district. Shivamogga is well connected by train as well as by road. Nearest airports are Bangalore (270 km) and Mangalore (225 km).

## Invited speakers



**Dr. TAISUKE KANA O**, Assistant Professor, Yamagata University, Japan.

Termites are famous as pests and social insects, but they are also important for other organisms as food, decomposer and host. Many organisms, especially insects, cannot live without termites, and such organisms are called termitophiles. Dr KANA O's research focuses on diversification of termitophilous insects, especially of rove beetles which show exceptional high diversity of termitophilous species. He will be sharing his experiences with his invited talk on '**Species diversity and evolutionary history of termitophilous rove beetles**'.



**Dr. Kolla Sreedevi**, Principal Scientist, ICAR-NBAIR, Bangalore

Dr. Kolla Sreedevi, a Fellow of the Royal Entomological Society, London is specialized in taxonomy of Indian scarabs. With descriptions of 23 new species and several new distributional records of scarabs, she will be delivering an invited talk on '**Scarab faunal diversity – its importance and implications**'.



**Dr. Rashmi R Shanbhag**, Scientist, Indian Plywood and Industrial Research Organisation, Bangalore.

Rashmi does research on wood decomposition by termites and their impact on the ecological and economical aspects. She will be sharing her experiences with her invited talk on '**Preservation and restoration of wood-An experiment with wooden artifacts**'.



**Dr. Amina Poovoli**, Assistant Professor (Zoology), Sir Syed College, Taliparamba, Kerala.

With 10 new species and a genus in her credit, Amina contributed a greater proportion to Indian termite taxonomy in the recent times. She will be delivering a talk on '**Diversity of Termites in Kerala**'.



**Mr. D. Iyyanar**, Plant Protection Officer (Retd.), DPPQS, Faridabad

Wood is most important material imported to India and hence there is possibility of potential entry of invasive termites to India. With more than 35 years of experience in plant protection and quarantine system in India, his tenure at Tuticorin and Chennai lead to interception of many invasive pests in the imported shipments. He will be delivering a talk on '**Quarantine measures against invasive termites**'.



**Dr. Prakash KV**, Associate Professor (Entomology), University of Agricultural Sciences, GKVK, Bengaluru.

Currently working on "species profiling of white grubs in different agro-ecological systems and development of management strategies against major pests of Karnataka. Dr. Prakash will be sharing experience of working with white grubs with his invited talk on '**Life Histories Dictate Pest Management Strategies: Two Beetles Narrate the Story**'.



**Mr. Eshanya Sharma KR**, Wildlife Photographer, Sagar

Eshanya is a passionate wildlife photographer & cinematographer. His interest is to capture, study and observe backyard creatures of his home town, a nature's adobe. He recently worked for Namshola documentary by Karnataka Forest Department and "Little Planet". His photos have won awards at Askary, Photorbit and Beyond Vision etc. He will be giving a special lecture on '**Insect Photography : Basic knowledge and gadgets**'.



**Dr. Kalleshwara swamy, C.M.** Associate Professor, KSNUAHS, Shivamogga

Kalleshwara swamy is a recognised termite taxonomist in India. He was a DST Young Scientist, worked on Termites of Western Ghats and currently handling MOEF&CC funded project on taxonomy of termites of South India. Through these projects, more than 70 species of termites are now deposited in Taxonomy laboratory with an aim of barcoding all the Indian termites. He will be delivering a talk on '**Present status of termite taxonomy in India**'.