



Dr. B. Vasantharaj David Foundation

76/2A Sree Ramulu street, Madanandapuram, Chennai 600 125

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Date: 16.03.2023

Dr. B. Vasantharaj David Foundation 5th International Conference & Awards - 2023

Dear Sir / Madam,

Sub: Excellence Awards in Agriculture and Allied Sciences, Pharmaceutical Sciences and Environmental Sciences and Higher Education and Memorial Awards - 2023

Dr. B. Vasantharaj David Foundation, a Charitable Trust presents the **Research, Educational and Extension Excellence Awards** to eminent personnel, educationists, professors, scientists and scholars in the field of agriculture and allied sciences, pharmaceuticals, environmental science, etc., in recognition of their contributions to higher education, research and extension in the 5th International Conference on “**Recent Advances in Agricultural and Industrial Entomology and Environmental Sciences and their Impact on Food and Environmental Security**” on **September 29-30, 2023 in Entomology Research Institute, Loyola College, Chennai 600034, Tamil Nadu. The conference is jointly organized by Dr. B. Vasantharaj David Foundation and Entomology Research Institute.**

The brochure along with Application Form is attached. Those interested to participate in the oral presentation and poster presentation are requested to fill in **the application form and submit along with soft copy of passport size photo, evidence for date of birth, full length paper not exceeding 8 pages, and evidence for payment of registration fee** by email to: bioevent@loyolacollege.edu and davidfoundation2019@gmail.com. For oral presentation the number will be restricted and considered first come basis. Hence hurry up. Such papers could not be accommodated will be entertained for poster presentation, which will be confirmed after the last date for receipt of application. **Those applying for Poster presentation send the title of the poster, author/s and affiliation instead of full paper.**

If you also wish to be considered for David Foundation awards – 2023 please fill in the nomination form attached to this circular and send by email davidfoundation@gmail.com. You must also attach your CV and a citation not exceeding 100 words.

Scientists/Scholars, who have possessed exceptional/significant contribution in their respective fields and intending to submit their nomination for Dr. B. Vasantharaj David Foundation Awards – 2023, may fill in the attached nomination form and **submit along with soft copy of passport size photo, evidence for date of birth, CV and a citation not exceeding 100 words and evidence for payment of registration fee** by email to: davidfoundation2019@gmail.com. Each candidate to pay Registration & Processing Fee- (Rs.5000/-) online and evidence for payment provided. **They must attend the conference and receive the award in person. In absentia award is not encouraged. The Awardee shall not be nominated or considered for the same or lower category of award in the subsequent 5 year (s). However, there will be no bar for an awardee to be nominated or considered for a higher category of award in subsequent year.**

The prescribed nomination form along with enclosures can be sent through email (davidfoundation2019@gmail.com) at the earliest. The last date for receipt of nominations is 31st July 2023. **No hard copy is required.**

Dr. B. Vasantharaj David (Trustee, Secretary & Treasurer)

Dr. B. Vasantharaj David Foundation

76/2A Sree Ramulu street, Madanandapuram, Chennai 600 125, Tamil Nadu, India

Encl: 1. Nomination Form, 2. Award Information

Excellence Awards in India 2023

The awards will be presented in the following Categories with Respective Disciplines Categories

Life Time Achievement Award (Above 60 years)
Outstanding contribution to Science and Higher Education (Above 50 years)
Outstanding Agricultural Extension Scientist Award
Outstanding Research Contribution to Animal Science Award
(includes Veterinary and Fishery Sciences)
Senior Scientist Award (55 years and above in active service)
Scientist Award (40 to 54 years)
Young Scientist Award (Below 40 years)
Excellence and Innovation Award
Entrepreneurship Award
Research & Development Award (Agrochemical and Pharmaceutical)
Regulatory Science Award
Biodiversity Conservation Award
Water Conservation/Management Award
Food Safety/ Environmental Science Award
Contribution to Compliance with Good Laboratory Practice (GLP) Award

Disciplines

Agriculture and Allied Sciences

Activities

Agricultural Biotechnology, Agricultural Economics, Agricultural Education, Agricultural Engineering, Irrigation and Water Management, Agronomy, Agricultural Botany, Extension Education, Plant Breeding and Genetics, Resistance Breeding and Cytogenetics, Seed Science and Technology, Genetic Engineering, Microbiology, Entomology, Nematology, Plant Pathology, Plant Physiology, Weed Science, invasive pest species, Post Harvest Technology, Sericulture, Apiculture, Lac culture, Soil Science and Agricultural Chemistry, Horticulture,

Vegetable Production, Vegetable Seed Production Technology, Hydroponics; Biosystematics and Taxonomy-plants, fungi, insects, mites, nematodes, microbes; Ecology, forecasting and climate change; IPM modules and Pest Management; Biological control; Virus Vector interactions; plant health management. Insect physiology; Insect Plant interactions; Agricultural extension; Pesticides and biopesticides development, manufacture and marketing; **Setting of insect museums / butterfly parks/migration of butterflies/dragonflies (Odonates)**. Toxicology & Ecotoxicology of agrochemicals.

Forestry pests and diseases and their management.

Human diseases- vectors and their management;

Animal Husbandry, Animal Nutrition, Aquaculture, Livestock and poultry management. Fishery management, Ectoparasites of animals and their management

Entrepreneurship and industry Research & development; Contribution towards Regulatory affairs and GLP compliance in agrochemicals; Contribution to agrochemicals stewardship and product development

Pharmaceutical Sciences

Activities

Toxicology, Alternative to in-vivo toxicology (*In vitro*), pharmacology, pharmacognosy, pharmacovigilance, molecular modeling, pharmacokinetics, medicinal chemistry, pharmacy, cosmetic science, drug development, toxicokinetics; Regulatory affairs in pharmaceuticals;

Pharmaceutical Biotechnology, Green Chemistry; Chemical process and product Development.

Environmental Sciences

Activities

Biosecurity and Biodiversity, Pesticide residues and resistance management, Pollinators, ground water contamination, environmental pollution and management, Waste Management, geology, oceanography, biodiversity, water management, soil chemistry, environmental biotechnology, anthropology, mineralogy, limnology, atmospheric science, plant science. Solar and other alternate energy, Water recycling , Bioremediation. pesticides and our environment : Air and Pesticides, Water and Pesticides, Soil and Pesticides, Wildlife and Pesticides and Plants and Pesticides. Alternatives to pesticides/plastics/Bio fuels /Biological control-fly/ vector control; pollination and pollinators. **Migration in insects**.

Memorial Awards - 2023

It has been proposed to have four memorial awards as a token of memory of past four eminent entomologists who have contributed to the advancement of entomology in the fields of basic and applied entomology. Self nomination is not accepted. **Eminent senior entomologists may nominate scientists for the memorial awards on or before 2nd July 2023. EC will consider the nominations received and decide.**

Harold Maxwell Lefroy Memorial Award for promotion of entomology in India

Thomas Bainbrige Fletcher Memorial Award for Lifetime Contribution in Applied Entomology with focus in Pest Management

Rao Bahadur Y. Ramachandra Rao Memorial Award for Contribution in Insect Ethology/Ecology/Physiology

Rao Sahib Dr. T. V. Ramakrishna Ayyar Memorial Award for Contribution in Insect Taxonomy

T. B. Fletcher, Y. Ramachandra Rao and T V Ramakrishna Ayyar were state entomologists in the erstwhile Madras Presidency.

Advertisement in Souvenir and Donations

The Souvenir will contain the report of activities of the foundation by Dr. B. Vasantharaj David, Secretary cum Treasurer of the foundation. The abstracts of the lead speakers will be included in the souvenir. Each delegate will receive a copy of the souvenir.

We solicit support from friends and industry to support our cause by providing an advertisement in the souvenir, for which act of kindness we shall ever be grateful. The tariff for the advt is given below:

A4 Full page colour ad	Rs.12500/-
Half page colour ad	Rs. 7500/-
Full page black & white ad	Rs. 10000/-
Half page black & white ad	Rs. 5000/-

The advt matter along with remittance details of the amount may be sent by email to davidfoundation2019@gmail.com. For bank details see under item 4. Best Poster Awards.

Donations

We invite donations towards corpus fund and we shall be grateful for your generous donation. If you donate an amount of Rs.10000/- and above please mention “towards corpus fund” and remit to the bank account indicated under item 3. We will issue necessary certificate for claiming tax exemption.

The bank details are provided below for bank transfer. Send by email the evidence for bank transfer.

Account Name : Dr. B. Vasantharaj David Foundation
Current A/c No : 6783686265
Bank Name : Indian Bank
Branch Name : Mugalivakkam Branch
Branch Code : 00C125
IFSC Code : IDIB000C125

Profile of Past Entomologists

Harold Maxwell Leroy (1877 – 1925)

Lefroy was born on 20th January 1877 at Itchel Manor, Crondall, Hampshire, UK. He was educated at Kings College, Cambridge. In 1899 Lefroy was appointed as Entomologist to the Imperial Department of Agriculture for the West Indies and then in 1903 as Entomologist to the Government of India. His first assignment was at Surat for the study of cotton pests. In 1905 a central Agricultural Research Institute was started at Pusa and Lefroy was designated as Imperial Entomologist to the Government of India. During the years 1905 – 1912 Lefroy guided the development of the Science of Entomology and thus contribute to the birth of economic entomology in the country. His two books *Indian Insect Pests* (1906) and *Indian Inset Life* (1909) are monumental contributions. In 1912 Lefroy left India but visited again in 1915-1916 and submitted a comprehensive report on the sericulture industry in India. On 10th October 1920 while experimenting with chemicals for insecticidal properties in his laboratory in the Imperial College of Science & Technology he got exposed to a lethal gas and became unconscious. He never regained consciousness and passed away on 14th October 1925.

Thomas Baibrigge Fletcher (1878-1951)

Thomas Bainbrigge Fletcher was born on the 25th March 1878. He joined Rooyal Navy on the 15th January 1896. As a paymaster and developed a keen interest in the study of insects. In 1910 he joined service as Supernumerary Entomologist aat the Imperial Agricultural Research Institute, Pusa (Bihar). In 1911-1912 he was appointed as Entomologist, Government of Madras. and in 1913 he succeeded Maxwell Lefroy as Imperial Entomologist, Government of India, which post he held till his retirement in 1932. During his two year service as Entomologist to the Government of Madras he had opportunities for extensive observations of agricultural and horticultural pests resulting in the publication of the book *Some South Indian Insects* with excellent illustrations. While Lefroy laid the foundation of Entomology in India, the credit for building entomology on a sound basis is attributed to Fletcher. His monumental contributions have been systematics and life histories of Indian Microlepidoptera including the Tortricidae Gelechiidae, Cosmopterigidae, and Neopseustidae. He further published 25 parts of catalogues of Indian Insects. His other notable contributions are: *A Veterinary Entomology for India* with S.K.Sen, *Cotton bollworms in India*, *Stored Grain Pests*, *Hints on Collecting and Preserving Insects*, etc. On leaving India in 1932 he settled in Rodborough Fort, Stroud, UK He passed away on 30th April. 1951.

Rao Bahadur Y. Ramachandra Rao (1885-1972)

Yelseti Ramachandra Rao was born on 11th September 1885 at Yemmiganur (Andhra Pradesh). He obtained M.A. degree in Zoology from the Madras Christian College in 1906 and joined Madras Agricultural Department as an Assistant. He underwent training in entomology uner Lefroy at Pusa, Bihar. From 1913-1916 he was in charge of Insectary at Madras and from 1916-1919 he surveyed the *Lantana* growing areas in the country on the possibility of its control and published in the Memoirs of the Department of Agriculture in India in 1920. He travelled to Iraq and organized entomological research. On his return in 1921 he was appointed as Assistant Entomologist at Madras Agricultural Institute and contributed significantly on biological control. Since he was interested in locusts, their ecology and behavior in 1930 his services were lent to the Imperial Council of Agricultural Research and served as Deputy Locust Research Entomologist, stationed at Quetta in Baluchistan from December 1930 to March 1933 and then Locust Entomologist stationed at Karachi from 1933 to 1939. The ICAR employed him on special duty from February 1939 to June 1941. Unfortunately his work on locusts was published in 1960 after 20 years. Acridologists of the world hailed his monograph as a great contribution in the International Colloquim problems connected with phase of locusts held at Paris in April; 1962. Rao was responsible for setting up a permanent Locust Warning Organization consisting of a net work of surveillance out-posts at strategic points throughout the desert area of India (including Pakistan) and of a Head Office centralizing and plotting all information collected. He retired from the Madras Government on 11th March 1941. However, he was Deputy Director of Foreign quarantines in the Directorate of Plant Protection Quarantine and Storage, New Delhi from 1946-49. He was conferred with the titles “Rao Sahib” and “Rao Bahadur” by the British Government. Rao passed away on 1st June, 1972.

Rao Sahib Dr. T. V. Ramakrishna Ayyar (1880-1952)

Ayyar was born on July 20, 1880 at Tarakad, Kerala. He received his early education in the native high school and the Victoria College, Palghat. He graduated with distinction in zoology from the Madras Christian College in 1898. He started his career as a teacher in the Maharaja College, Ernakulam (Cochin). In 1904 he was appointed as the first Research Assistant to Maxwell Lefroy, the Imperial Entomologist at Surat. Lefroy moved to Pusa with the inauguration of the Imperial Agricultural Research Institute at Pusa. By 1906 Ayyar was appointed as Senior Entomological Assistant to the Government Botanist at Madras. In 1908 Ayyar was transferred from Madras to Coimbatore for teaching entomology at the newly started College of agriculture. In 1920 Ayyar was gazetted as Senior Lecturer in Entomology. In 1927 on his way to Stanford University, California he visited Sri Lanka, China and Japan and obtained Ph.D. degree for his work on Thysanoptera and on way back home in 1928 he visited many entomological laboratories in USA and Europe. He was appointed as Government Entomologist in 1931 and retired in August 1935. He was awarded the title of "Rao Sahib" in 1944 by the British Government. He may be considered the "father of insect Taxonomy" in India and has contributed on Thysanoptera, Coccoidea, Isoptera, Psyllidae, Braconidae, Ichneumonidae, Chalcidoidea and Curculionidae. His *Handbook of Economic Entomology for South India* published in 1940 is a monumental work. He passed away on 13th February, 1952 at Tarakad.

BRIEF BIODATA OF Dr. B. Vasantharaj David, M.Sc. (Ag.), Ph.D., D.Sc., Secretary cum Treasurer, BVDF

Dr. B. Vasantharaj David, born on 17th November 1935, at Insein (Myanmar) has 60 years experience in the field of crop protection and toxicology. He obtained M.Sc.(Ag.) degree in agricultural entomology and then Ph.D. from the Tamil Nadu Agricultural University, Coimbatore. He was awarded the degree of Doctor of Science by the University of Madras for his contributions on the taxonomy of the Aleyrodidae of India, Sri Lanka and Myanmar. He has reported so far 250 new species of whiteflies. He has taught agricultural entomology in the Agricultural College & Research Institute, Coimbatore and has served with Tata Fison Industries Ltd. as Development Officer at Coimbatore, Ciba Agrochemical Research Centre, Kayarambedu (Tamil Nadu) as Entomologist, Entomology Research Institute, Loyola College, Chennai as Research Officer, Coromandel Indag Products India Ltd. as Director (Development), and Rhone Poulenc Agrochemicals India Ltd. as Executive Director (Development). As Director he has been responsible for the development of two institutes viz., the Fredrick Institute of Plant Protection & Toxicology (presently IIBAT), Padappai (Tamil Nadu) and the Jai Research Foundation, Valvada (Gujarat), to raise to international stature, the latter receiving GLP compliance certification from the Government of the Netherlands. He was President, Sun Agro Biotech Research Centre, Chennai and Executive Director, Sun Agro Biosystem Pvt. Ltd., Chennai. He was Head, Centre for Toxicology and Developmental Research, Sri Ramachandra University, Chennai, India, and obtained GLP compliance certification. GLP Consultant to Rotam Research Laboratory, Kunshan, near Shanghai, China from 2005 – 2017 and Chairman, Research and Academic Board, International Institute of Biotechnology & Toxicology (IIBAT), Padappai 601301, Tamil Nadu, India from November 2013 to August 2020..

He has guided 11 students for Ph.D. degree and 16 for M.Phil. He has been a Honorary Professor of Entomology with the Madras Christian College, Chennai. He has to his credit 357 research papers and authored/co-authored/edited number of books notably General and Applied Entomology and Elements of Economic Entomology.

He has visited various countries such as Japan, United States of America, United Kingdom, the Netherlands, France, Philippines, Singapore, Korea, Sri Lanka, Germany, Mexico, Switzerland, Canada, China, Belgium, Indonesia, Malaysia and Thailand in connection with his official duties and presentation of papers in international conferences. Dr. David is Fellow of: the National Academy of Agricultural Sciences, the Royal Entomological Society London, the Academy of Sciences for Animal Welfare, the Entomological Society of India, the Plant Protection Association of India, the Entomology Academy of India, the Society for Biocontrol Advancement, the Applied Zoologists Research Association, the National Academy of Biological Sciences, the Association for Advancement of Pest Management in Horticultural Ecosystem, the Society of Plant Protection Sciences, the Gujarat Science Academy, and the Madras Science Foundation. Admitted as Honorary Fellow of the Society for Advancement of Biocontrol on March 3, 2021.

Recipient of Dr. K. C. Mehta Memorial Award for outstanding contributions in Plant Protection by the National Academy of Agricultural Sciences in 2013; “Distinguished Scientist Lifetime Achievement Award in Toxicology” of Society of Toxicology, India -2012; Late Shri Gyan Prakash Memorial Award of the Society of Plant Protection Sciences; Pearl Foundation Outstanding Research Award in Agricultural Sciences 2016; NABS Leadership Award 2016; Life time Achievement Award in Agriculture and Allied Sciences 2016 by the Samagra Vikas Welfare Society, Lucknow; the Friendship Forum of India, New Delhi presented Bharat Excellence Award, Leading Educationist of India Award and Global Arch of Excellence Award on 24th February 2019. Recipient of “Outstanding Plant Protection Scientist” Award at the International Plant Protection Congress (IPPC – 2019) held at Hyderabad on 13th November 2019. The Global Economic Progress and Research Association, New Delhi conferred Bharat Ratna Mother Teresa Gold Medal Award for his outstanding individual achievement in Agricultural Sciences and Taxonomy and Toxicology on 21st December 2019 at Chennai. Agri P. Kamalanathan Award for Scientific Contribution in Entomology was presented to him on 5th January 2020 at Chennai by Tamil Nadu Agro Technologists’ Forum (TANSAF) during its 27th Annual Meet. Entomology Hyderabad (Group of Professionals) conferred Lifetime Achievement Award on 12th December 2020. He was conferred with Honorary Fellowship Award by the Society for Biocontrol Advancement in arch 2021. He was conferred with Distinguished Scientist Award by VDGGOOD Professional Association in April 2021. Conferred with Indo Asian– Emeritus Scientist Award 2021 in Entomology by IMRF Institute of Higher Education and Research, promoted by Internataional Multidisciplinary Research Foundation. India. Established Dr.B. Vasantharaj David Foundation in 2019 and conducted so far 4 national conferences and honoured 322 scientists from Young Scientists to seniors for lifetime achievement.

He is President of Applied Zoologists Research Association (AZRA) since 1994.