



# Dr. B. Vasantharaj David Foundation

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

Email ID. [davidfoundation2019@gmail.com](mailto:davidfoundation2019@gmail.com); Mobile 98401 64099

Website [bvdfoundation.com](http://bvdfoundation.com); Trust – Registration No. 137 / 2019

4<sup>th</sup> August 2020

## Dr. B. Vasantharaj David Foundation Awards - 2020

Dear Sir / Madam,

**Sub: Excellence Awards in Agriculture and Allied Sciences, Pharmaceutical Sciences and Environmental Sciences and Higher Education and Memorial Awards - 2020**

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 a National Conference on **“Recent Scientific Advances in Agricultural and Environmental Sciences” on November 22, 2020 in Chennai, Tamil Nadu.**

Nominations are invited from eligible persons, who have possessed exceptional/significant contribution in their respective fields. Each of the award categories will be assessed by a selection panel.

All eligible individuals will be awarded with a certificate and memento during the conference. Interested persons can send **duly-filled nomination form along with a detailed biodata and less than 250 word brief write up of achievement relevant to the award applied for** in the following broad categories:

Agriculture and Allied Sciences  
Pharmaceutical sciences  
Environmental Sciences  
Higher Education  
Memorial Awards

**The prescribed nomination form along with a detailed biodata** can be sent through email ([davidfoundation2019@gmail.com](mailto:davidfoundation2019@gmail.com)) **on or before 30<sup>th</sup> September, 2020. No hard copy is required.**

**Awards Ceremony:** 50 and more Nominees will be selected for Awards based on a Criteria. Expert Committee and Judging Process etc are governed by the Board of Trust and Executive Council. **Selected candidates to pay Registration & Processing Fee- (Rs.5000/-) online and evidence for payment provided. They must attend the conference and receive the awards in person. The date fixed is tentative and shall be confirmed depending on COVID-19 lockdown situation.**

With Best Wishes

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. Award Information; 2. Nomination Form

**Excellence Awards in India 2020**  
**The awards will be presented in the following**  
**Categories with Respective Disciplines**

## **Categories**

1. Life Time Achievement Award (Above 60 years)
2. Outstanding contribution to Science and Higher Education (Above 50 years)
3. Outstanding Agricultural Extension Scientist Award
4. Senior Scientist Award (55 years and above in active service)
5. Scientist Award (41 to 54 years)
6. Young Scientist Award (Below 40 years)
7. Excellence and Innovation Award
8. Excellence award to best Krishi Vigyan Kedra (KVK)
9. Entrepreneurship Award
10. Research & Development Award (Agrochemical and Pharmaceutical)
11. Regulatory Science Award including GLP compliance contribution
12. Biodiversity Conservation Award
13. Water Conservation/Management Award
14. Food Safety/ Environmental Science Award
15. Contribution to Compliance with Good Laboratory Practice (GLP) Award
16. Memorial Awards (Above 55 years)

## **Disciplines**

### **1. 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. 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

## **2. Pharmaceutical Sciences**

### **Activities**

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

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

## **3. 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.

## **4. Memorial Awards (Three awards in each):**

It has been proposed to have three memorial awards as a token of memory of past three eminent entomologists who have been state entomologists in the erstwhile Madras Presidency and contributed to the advancement of entomology in the fields of basic and applied entomology. The following awards have been instituted and nominations are invited for the year 2020. The EC may also nominate scientists for the memorial awards.

- i. T. B. Fletcher Memorial Award for Lifetime Contribution in Applied Entomology with focus in Pest Management
- ii. Rao Bahadur Y. Ramachandra Rao Memorial Award for Contribution in Insect Ethology/Ecology
- iii. Rao Sahib Dr. T. V. Ramakrishna Ayyar Memorial Award for Contribution in Insect Taxonomy

**Submit a detailed CV with complete list of publications with NAAS rating pertaining to the research field indicated and a 250 word citation by email.**

## **5. General**

Significant contribution in research/education/ capacity building in the spread of agricultural, veterinary and pharmaceutical sciences and toxicology and GLP.



Affix a recent  
passport size

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Trust Regn. No. 137/2019.

### Excellence Awards – 2020

<b>Category Number</b>	
<b>Discipline &amp; Activity</b>	

I would like to submit my nomination\* for the Dr. B. Vasantharaj David Foundation **Excellence Awards - 2020**:

Name:

Institution:

Address:

City:

State:

Pincode:

Mobile:

E-mail:

Age as on 31<sup>st</sup> December 2020 (Enclose date of birth certificate):

If nomination submitted through Institute:

Signature of Forwarding officer with seal

### DECLARATION

I, Mr./Ms./Dr./Prof./ ..... hereby assure that the information provided is true to the best of my knowledge. False declaration will end up in surrendering my award to the Foundation. I will not hold the foundation responsible for any legal issue arises later for whatsoever reason. The work submitted is original work.

Date:

Signature of the Applicant

Place:

*Note:* Recipients for this award will be honored during the National Conference on “Recent Scientific Advances in Agricultural and Environmental Sciences” on 22<sup>nd</sup> November 2020 in Chennai, Tamil Nadu.

**Enclose a detailed Bio-data with relevant documents (Highest degree, experience, awards received, fellowship of scientific/professional bodies, patents. Age proof, etc.). Send nomination by email and no hard copy needed.**

**Last date for submission of Nomination is 30<sup>th</sup> September, 2020.**

### **T. B. Fletcher (1878-1951)**

Thomas Bainbrigge Fletcher was born on the 25<sup>th</sup> March 1878. He joined Royal Navy on the 15<sup>th</sup> January 1896. As a paymaster and developed a keen interest in the study of insects. In 1910 he joined service as Supernumerary Entomologist at 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 30<sup>th</sup> April. 1951.

### **Rao Bahadur Y. Ramachandra Rao (1885-1972)**

Yelseti Ramachandra Rao was born on 11<sup>th</sup> 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 under 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 Colloquium 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 11<sup>th</sup> 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 1<sup>st</sup> 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 13<sup>th</sup> February, 1952 at Tarakad.

### **Brief biodata of Dr. B. Vasantharaj David, M.Sc. (Ag.), Ph.D., D.Sc.**

Dr. B. Vasantharaj David, born on 17<sup>th</sup> 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 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.

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.

Recipient of Dr. K. C. Mehta Memorial Award for outstanding contributions in Plant Protection by the National Academy of Agricultural Sciences; “Distinguished Scientist Lifetime Achievement Award in Toxicology” of Society of Toxicology, India; 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 24<sup>th</sup> February 2019.

He is President of Applied Zoologists Research Association.

Presently he is GLP Consultant to Rotam Research Laboratory, Kunshan, near Shanghai, China and Chairman, Research and Academic Board, International Institute of Biotechnology & Toxicology (IIBAT), Padappai 601301, Tamil Nadu, India.