



Society for Vector Ecology Indian Region

Inaugural International Conference

Hotel Fidalgo, Panaji, Goa, India

February 13 – 16, 2019

'Lab to public health setting: Control of vectors for elimination of vector borne diseases'

Scientific Programme

Day-1

Wednesday – February 13, 2019

14:00 – 16:00 *Registration Hotel Fidalgo*

15:00 – 15:45 *High tea Courtesy Vestergaard Frendsen*

16:00 – 17:00 **Inauguration: Grand Hall, Hotel Fidalgo**

Guests of Honour:

Dr Nicole Simone Seguy, Communicable Diseases Team Leader, WHO Country Office, New Delhi, India

Dr Lyle Petersen, Director, Division of Vector-Borne Diseases, Center for Disease Control and Prevention, USA

Prof R. C. Mahajan, Emeritus Professor, PGIMER, Chandigarh

Dr Major Singh Dhillon, Executive Director, Society for Vector Ecology, USA

Dr O. P. Singh, Director-In-Charge, ICMR-National Institute of Malaria Research, New Delhi

17.00 – 17:30 **Conference Key Note Address:** Global status of arboviral diseases. **Dr Lyle Petersen**, Director, Division of Vector-Borne Diseases, Center for Disease Control and Prevention, USA

17.30 – 20:00 **Award ceremony and oration lectures**

17.30 Potential of vector control to reduce disease and deaths: **Dr Rajpal Singh Yadav**, Scientist, WHO, NTD, Geneva, Switzerland

18.00 **Award presentation: Padmabhushan Dr V. P. Sharma award to Dr R. S. Yadav**

18.10 Future of biological control of vectors – **Dr Norbert Becker**: Director, German Vector Control Association, University of Heidelberg, Germany

18.40 **Award presentation: Prof Mir Mulla award to Dr Norbert Becker**

- 18.50 Malaria remains unshaken; and the mighty mosquito remains unbeaten: **Dr P. K. Rajagopalan** (Govt. of India-‘Padmashree’ awardee), Former Director, ICMR-Vector Control Research Centre, Puducherry, India
- 19.20 **Award presentation: Dr T. R. Rao award to Dr P. K. Rajagopalan (Padmashree)**
- 19.30 Challenges & Perspectives for Dengue Control in Urban areas and way forward for Civic Bodies: A Case Study of Delhi: **Dr (Capt.) Naveen Rai Tuli**, Assistant Director and Deputy Health Officer, New Delhi Municipal Corporation
- 20.00 **Award presentation: Mr P. B. Deobhankar award to Dr Naveen. Rai Tuli**
- 20.10 Dr Sushil Kumar Dasgupta Award for rendering dedicated services (health) in rural area: **Dr Ashoka Pais**, Medical Officer, Voluntary Health Association of Goa
- 20.15 Special Award for Journalism on Science and Vector Borne Diseases reporting: **Mr Shashwat Gupta Ray**, Editor Gomantak Times, Panaji, Goa, India
- 20.30 *Inaugural dinner, Hotel Fidalgo hosted by V.K.A. Polymers Pvt. Limited, Kurur, Tamil Nadu*

Day-2

Thursday – February 14, 2019

- 9:00 – 10:45 Symposium-1: Vector Taxonomy, Bio-ecology and Control**
Moderators: Dr Major S Dhillon, Dr Kailash Chandra and Dr Norbert Becker
Sponsors: Valent BioSciences
- 09.00 **Key Note Address:** Microbial Control of Mosquitoes – Exploiting the nature for vector control: **Dr Norbert Becker**, German Mosquito Control Association (KABS), Speyer & University of Heidelberg, Heidelberg, Germany
- 09.15 Vector Control in California: **Dr Major S. Dhillon**, Northwest Mosquito Control District, Corona, California, USA and Executive Director SOVE.
- 09.30 Big Data and Drones in Mosquito Control: **Dr Spiros Mourelatos**, Director, Ecodevelopment S.A. Greece
- 09.45 **Key Note Address:** Debug Fresno: Implementing *Wolbachia* to Control *Aedes aegypti* In Fresno County, California: **Dr Steve Mulligan**, District Manager, Consolidated Mosquito Abatement District, California, USA
- 10.00 Sounds: a novel way to identify mosquitoes: **Dr Devi Shankar Suman**, Zoological Survey of India, New Alipore, Kolkata, India – 700053
- 10.15 Urban mosquito vectors and challenges for their control in a metropolitan city- Chennai, India. **Dr Alex Eapen**, ICMR-National Institute of Malaria Research, Field Unit, Chennai, India

- 10:30 Disease control using genetically modified mosquitoes. **Dr Hanno Schmidt**, Vector Genetics Laboratory,
Department of Pathology, Microbiology and Immunology, UC Davis, California, USA
- 10.45 Tea break
- 11:15 Announcements: **Dr Ashwani Kumar**, Director, SOVE (Indian Region)
- 11:20 – 12:20 Symposium-2: Malaria, Filariasis and Kala Azar Elimination.**
Sponsors: WHO country office India
- Moderators: **Dr Nicole Simone Seguy**, Chief Division of Communicable Diseases, WHO Country Office and **Dr Lyle Petersen**, Director CDC, Division of Vector Borne Diseases Control and Prevention, USA
- 11.20 **Key Note Address:** WHO malaria technical updates and WHO initiatives for malaria elimination in India. **Dr Roop Kumari**, WHO country office, New Delhi, India
- 11.35 Lymphatic filariasis elimination in India: How to achieve goal: **Dr P. K. Srivastava**, formerly Joint Director, National Vector Borne Diseases Control Programme, New Delhi, India
- 11.50 When to stop IRS for Visceral Leishmaniasis: **Dr R. K. Dasgupta**, formerly Joint Director, National Vector Borne Diseases Control Programme, New Delhi, India
- 12.05 Challenges of urban malaria elimination in India: **Dr R. S. Sharma**, formerly Additional Director, National Vector Borne Diseases Control Programme, New Delhi, India
- 12.20-13.10 Symposium – 3: Vector Control in Disease Elimination Settings: Capacity building and response –**
Modertors: Dr P. K. Sen, Dr R. S. Yadav and Dr P.K. Srivastava
Sponsors: National Vector Borne Diseases Control Programme (NVBDCP), Govt. of India
- 12.20 Piloting of an entomological surveillance planning tool to improve entomological intelligence for evidence-based vector control decision-making towards malaria elimination: **Dr Neil Lobo**, Research Professor, University of Notre Dame, Indiana, USA
- 12.30 Ecologic and socio-demographic impact of dengue and its management in India. **Dr Kalpana Baruah**, Joint Director, NVBDCP, New Delhi, India
- 12.40 Vector surveillance and control at points of entry in the context of expanding distribution of disease vectors and outbreaks of vector borne diseases in new areas: **Dr Ashwani Kumar**, Scientist G, ICMR– National Institute of Malaria Research, Goa, India
- 12.50 How Kerala Government is tackling dengue, malaria and other vector borne diseases, A policy analysis: **Mr Tharamel Appunny Arvind**, Post graduate and research Department of Zoology, Govt. College, Madappally, Vatakara, Kerala, India
- 13.00 *Lunch Hosted by Valent BioSciences*
- 14:00 – 14:45 Symposium 4: Emerging Vector Borne Diseases**
Moderators: Prof R. C. Mahajan, Dr S. L. Hoti and Dr Paulo Pimenta

- 14:00 **Key Note Address:** Characterization of vector competence, co-infection, viral interference and transovarial transmission of Zika and Dengue virus by Brazilian *Aedes aegypti* and *Aedes albopictus* populations: **Dr Paulo Pimenta**, Fiocruz, Belo Horizonte, Minas Gerais, Brazil
- 14.15 Molecular tools for mosquito borne disease diagnosis in the context of zika fever infection. **Dr Embalil Mathachan Aneesh**, Communicable Diseases Research Laboratory, Dept. of Zoology, St. Joseph College, Irinjalakkuda, Calicut, Kerala
- 14.30 Dengue outbreaks in tribal, rural and urban settings of Khammam district. A case study: **Dr Ayyadevera Rambabu**, Dy Director, NVBDCP, Hyderabad, Telangana State, India
- 14.45 Ecological undercurrents of *Aedes albopictus* driven dengue in Kerala, India. **Dr P. K. Sumodan**. Post Graduate and Research Department of Zoology, Government College, Madappally, Kerala-673102, India
- 15.00 Threats of three medically important *Aedes* species in the context of changing environment, time for a reality check: **Dr Sajal Bhattacharya**, Head post graduate department of Zoology, Ashutosh College, Kolkatta, India
- Tea 15.15
- 15:30 – 16:45 Symposium 5: Impact of Climate Change on Vectors and Vector Borne Diseases**
Moderators: Dr R. C. Dhiman, Prof Jagbir Singh and Dr Roop Kumari
- 15.30 **Key Note Address:** Changing climatic and ecological conditions affecting spatio-temporal distribution of vector borne diseases in India: **Dr R. C. Dhiman**, DST-Centre of Excellence on Climate Change, ICMR-National Institute of Malaria Research, New Delhi, India
- 15.45 Impact of climate change on expansion of vectors and vector-borne diseases in Baltic countries: **Prof Algimantas Paulauskas**. Faculty of Natural Sciences, Vytautas Magnus University, Vileikos 8, Lt-44404 Kaunas, Lithuania
- 16.00 Impact of ecological changes on Culicidae diversity in Punjab: **Prof Jagbir Singh**, Punjabi University Patiala, Punjab, India
- 16.15 Role of climatological factors on dengue transmission in India. **Dr Sreenivasa Rao Mutheneni**. Applied Division CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad, Telangana, India
- 16.30 Timing of vector emergence and bird movement on malaria transmission with climate change. **Dr Farah Ishtiaq**, Centre for Ecological Sciences, Indian Institute of Science, Bangalore-560012, India
- 16:45 – 17:45 Symposium-6: Vector Repellents**
Moderators: Dr Dan Kline and Prof. Larry Goodyer
- 16.45 Recent Progress in the development of passive spatial repellent delivery devices: **Dr Dan Kline**, USDA Florida, USA

- 17.00 Development of prolonged action PMD (lemon eucalyptus oil) botanical formulations to provide 12 hours protection against the *Aedes aegypti* mosquito vector. **Professor John E. Moses**, La Trobe Institute for Molecular Science, Bundoora, Australia
- 17.15 Characterisation of mosquito repellents by dose/response curve as measured by time to first bite: **Dr Larry Goodyer**, Professor of Pharmacy Practice, De Montfort University, Leicester, UK
- 17.30 Effective pest management in agriculture and vector control using repellents: **Dr Agenor Mafra-Neto**, ISCA Technologies, Inc., Riverside, California, USA

17.45-19.00 Poster Session – 1 (Posters 1-15)

P-1 The effect of Climatic factors on the mosquito species of Tribe *Aedini* in Chandigarh and its surrounding areas: **Ms Sandeep Kaur** Entomology Laboratory, Department of Zoology, Panjab University, Chandigarh.

P-2 Studies on Seasonal impact of JE vectors with respect to various meteorological parameters in different ecological habitats of Chandigarh: **Ms Ranjana Rani**, DST-SERB Research Lab, Department of Zoology, DAV College Sec-10, Chandigarh, India

P-3 Molecular ecology of *Aedes aegypti* in India: elucidating genetic structure, dispersal potential and connectivity among populations: **Dr Bhavana Gupta**, ICMR-Vector Control Research Center, Medical Complex, Indira Nagar, Puducherry, India

P-4 Antimalarial activity of biosynthesized silver nanoparticles using *Jussiaea repens* leaf extract against malarial parasite, *Plasmodium falciparum*: **Dr Kalimuthu Kovendan**, Division of Vector Biology, Department of Zoology, Annamalai University, Annamalainagar, Tamil Nadu

P-5 The toxic effects of *Persicaria hydropiper* prompted free radicals against the dengue fever vector *Aedes aegypti* (Diptera, Culicidae): **Dr A. N. Anoopkumar**, Department of Zoology, Christ College, Irinjalakuda, Kerala, India

P-6 Analyzing the diversity of mosquito vectors of medical importance using mitochondrial COI sequence: **Dr Anesh Embalil Mathachan**, Communicable Disease Research Laboratory (CDRL), Department of Zoology, St. Joseph's College (Autonomous), Irinjalakuda, Thrissur, Kerala, India

P-7 Zinc oxide nanoparticles an ecofriendly arsenal to prevent dengue vector proliferation: **Mr Sreedev Puthur**, Communicable Disease Research Laboratory (CDRL), Department of Zoology, St. Joseph's College (Autonomous), Irinjalakuda, Thrissur, Kerala, India

P-8 To assess the efficacy of commercially available different mosquito repellents against *Aedes aegypti*: **Dr Deshmukh Madhuri**, BJS Arts, Science and Commerce College, Wagholi, Pune Maharashtra

P-9 A Smart Internet of Things Trap for Mosquito Vector Control: **Dr S. R. Pandian**, Department of Electronics and Communication Engineering, Indian Institute of Information Technology Design and Manufacturing-Kancheepuram, Melakkottaiyur, Chennai 600127 (TN)

P-10 Dengue epidemics attaining Himalayan foothill district Bilaspur of Himachal Pradesh: **Dr Narayani Prasad Kar**, National Institute of Malaria Research, Indian Council of Medical Research, Sector-8, Dwarka, New Delhi-110077, India

P-11 Vulnerability assessment of dengue outbreak and transmission suitability in Kangra district, Himachal Pradesh, India: **Ms Manisha Prajapati**, National Institute of Malaria Research, Indian Council of Medical Research, Sector-8, Dwarka, New Delhi-110077, India

P-12 Insecticidal activity of Nanoemulsion formulation from essential oil against *Culex quinquefasciatus* Say (Diptera:Culicidae): **Dr Marimuthu Ramar**, Division of Entomology, Department of Zoology, School of Life Sciences, Bharathiar University, Coimbatore, Tamil Nadu 641046, India

P-13 Field testing and evaluation of the efficacy of VectoMax FG as a mosquito larvicide in Goa, India: **Dr Hemanth Kumar**, ICMR-National Institute of Malaria Research, Field Unit, Panaji-403001, Goa, India

P-14 Study of larvicidal activity of Brahmi: **Ms M. Shet**, Department of Pharmacognosy, Goa College of Pharmacy, Panaji, Goa, India

P-15 Integrated approach in Malaria Vector control: **Dr Tirthankar Basu**, Hindustan insecticide Limited, New Delhi-110003, India

18:00 – 18:30 Board meeting in the Board room of Hotel Fidalgo

18.30 – 19:30 General body meeting SOVE (Indian Region) in Grand Hall, Fidalgo

Sponsored dinner: hosted by **Bio-tech International Ltd. at Hotel Fidalgo**

Day-3

Friday – February 15, 2019

8:00-12.00 Field Ecology Tour (Assemble in Hotel Fidalgo Lobby)

13:00 Lunch: hosted by **Goizper West Asia**

13.00 – 15:00 **Poster Session-2 (Posters 16-29)**

P-16 Use of Information, Education, Communication (IEC) and community perception study in Vector-Borne disease Management: **Ms Sanchita Bhattacharya**, Department of Communicative English, Asutosh College (University of Calcutta), Kolkata, India.

P-18 A Review on Larvicidal Activity of Phytoextracts against the Major Dengue Fever Vector, *Aedes aegypti*: **Ms Lakshmi Kalarikkal Venugopalan**, Department of Zoology, Christ College, Irinjalakuda, Kerala, India

P-19 Larvicidal efficacy of *Catharanthus roseus* and characterization of possible bioactive compounds against *Aedes aegypti*, a potential Dengue fever vector: **Ms Lekshmi Jayakrishnan**, Communicable Disease Research Laboratory (CDRL), Department of Zoology, St. Joseph's College (Autonomous), Irinjalakuda, Thrissur, Kerala, India

P-20 Knowledge, Attitude and Practice of Lymphatic Filariasis Disease among ASHAs in Warangal District (Erstwhile) of Telangana state: **Dr M. Lakshman**, Filaria Consultant ROHFW, Govt. of India, Hyderabad, India

P-21 Assessment of knowledge about malaria among community: **Ms Urvi Hariyani**, Vector Borne Disease Control Department, Surat Municipal Corporation, Surat, Gujarat, India

P-22 Molecular characterization of Glutathione–S-Transferases epsilon 4 gene of *Anopheles stephensi*: **Dr D. Jha**, National Institute of Malaria Research, Indian Council of Medical Research, Sector-8, Dwarka, New Delhi-110077, India

P-23 Molecular characterization and identification of *Anopheles sunaicus* from Myanmar: **Ms A. Sindhania**, National Institute of Malaria Research, Indian Council of Medical Research, Sector-8, Dwarka, New Delhi-110077, India

P-24 Spatial distribution of *Haemaphysalis* species ticks and human Kyasanur Forest Disease cases along the Western Ghats of India, 2017-2018: **Mr Naren Babu N**, Manipal Centre for Virus Research, (Regional Reference Laboratory for Influenza viruses & ICMR Virology Network Laboratory-Grade-I), Manipal Academy of Higher Education, Manipal-576104, Karnataka State, India

P-25 Malaria Control in Kozhikode District of Kerala: **Dr Anju K. Viswan**, Entomology Consultant, DVC Unit, Kozhikode, Kerala, India

P-26 Epidemiological trends in Malaria occurrence; A Retrospective study through Kerala Sectors: **Mr Nidhish Lekha Girish**, Biopesticides and Toxicology Lab, Dept. of Zoology, University of Calicut, Malappuram, Kerala-673635, India

P-27 Upregulation of carboxylesterase gene (COE) in Deltamethrin resistant *Anopheles stephensi*: **Ms S Mishra**, National Institute of Malaria Research, Indian Council of Medical Research, Sector-8, Dwarka, New Delhi-110077, India

P-28 Development of multilocus neutral DNA marker in an Indian *Anopheles culicifacies* sibling Species: **Ms S. Kale**, National Institute of Malaria Research, Indian Council of Medical Research, Sector-8, Dwarka, New Delhi-110077, India

P-29 Biocontrol of *Aedes aegypti* larvae by the fungus *Penicillium citrinum*.

Dr Deeparani K. Prabhu, ICMR-National Institute of Malaria Research (ICMR), DHS Building, Campal, Panaji, Goa – 403001, India

P-30 Targeting vector salivary proteins for combating disease: A Computational Biology

Approach: **Dr. Tammanna Sahrawat**, Centre for Systems Biology and Bioinformatics, UIEAST, Panjab University, Chandigarh.

15:00 – 16.00 **Symposium–7: Proteogenomics of Disease Vectors. Moderators: Prof. Keshava Prasad and Prof. Col. Rakhi Dhawan**

15.00 **Key Note Address:** Proteogenomic approaches to investigate mosquitoes: **Prof Keshava Prasad**, Centre for Systems Biology and Molecular Medicine, Yenepoya (Deemed to be University) Mangalore, India

- 15.15 Tissue specific splicing events in Indian malaria vector *An. stephensi*: **Dr Sreelakshmi K Sreenivasamurthy**, Center for Molecular Medicine, Neurobiology Research Centre, NIMHANS, Bangalore, India
- 15.25 Proteins associated with host response in *Anopheles stephensi* to infection with *Plasmodium berghei*: **Dr Ajeet Kumar Mohanty**, ICMR–National Institute of Malaria Research, Goa, India
- 15.35 Midgut and salivary gland proteogenomics of *Aedes aegypti*, protein-protein interactions, involvement in various pathways: **Dr Coln. Rakhi Dhawan**, Prof. Department of Preventive and Social Medicine, Armed Forces Medical College, Pune, India
- 15.45 Uncovering genetic relationship of mosquito-microbe-parasite interactions and malaria transmission in Indian malarial vectors: **Dr Rajnikant Dixit**, Scientist D, ICMR-National Institute of Malaria Research, New Delhi
- 16.00 *Tea*
- 16.15-17.45 Symposium-8: Vector control tools by industry: Moderators Dr R. S. Sharma. Dr P. K. Srivastava and Dr R. K. Dasgupta**
Presenters: Sponsors (8 minutes each)
1. Valent BioSciences
 2. V.K.A. Polymers Pvt. Ltd.
 3. MGH Labs Private Limited
 4. Clarke-UPL
 5. Molbio Diagnostics Pvt. Ltd.
 6. Hindustan Insecticides Limited (HIL India Ltd)
 7. Goizper Spraying (Goizper West Asia)
 8. Syngenta India Ltd.
 9. Ross Life Sciences Ltd.
 10. Foggers India Ltd.
- 17.45 – 18.30 Symposium-9: Vector Resistance and its Management/IVM – Moderators Dr O. P. Singh and Dr K. Gunasekaran**
- 17.45 **Key Note Address:** Insecticide resistance in Indian *Aedes aegypti*: **Dr O. P. Singh**, Scientist G and Director-In-Charge, ICMR-National Institute of Malaria Research, Dwarka, New Delhi-110077
- 18.00 **Key Note Address:** Insecticide resistance and its management - Current and future perspectives: **Dr K. Gunasekaran** Scientist-G, Vector Control Research Centre, Pudducherry
- 18.15 Strategies on insecticide resistance management: **Dr. Tirthankar Basu, Manager** (Product Development) Hindustan Insecticides Limited (A Government of India Enterprise), New Delhi-110 003, India
- 19.30 *Banquet Dinner at Ritz Classic at Campal Gymkhana Co-hosted by Clarke-UPL and SOVE (Indian region)*

Day -4

Saturday – February 16, 2019

- 09.00-10.00 **Symposium-10 (A Panel Discussion): Women of Vector Science: Challenges and Opportunities**
Moderators: Dr Roop Kumari, Coln. Rakhi Dhawan & Dr Kalpana Baruah
- Panelists:**
1. Dr Deeparani Prabhu (Professor)
 2. Dr Shailja Singh (Scientist)
 3. Dr Nandini Korgaonkar (NVBDCP, Goa)
 4. Ms Joleen Almeida (Research Scholar)
 5. Ms Minisha Periera (Research Scholar)
- Attendees: All women delegates
- 10:00 – 11:30 Symposium-11: Vector Control Tool Development and Deployment, Household Pest/Vector Management Industry and Community Engagement**
Moderator: Mr William Van Dyke, Dr Kedar Deobhankar, Mr Raju Parulkar and Dr Sarang Sawalekar
- 10.00 Public education and vector control: educate, empathize and engage: **Mr. William Van Dyke**, District Manager, Northwest Mosquito Control District, Corona, California, USA
- 10.15 Vector control products and technologies of DRDO in protecting Indian armed forces from arthropod vectors. **Dr Devanathan Sukumaran**, Defence Research Development Establishment, Gwalior, MP, India.
- 10.30 Advancing Public Health and Well Being with Better Vector Management. **Mr Jitender Gaude**
- 10.45 Role and support of IPCA in vector management: **Mr Raju Parulkar**, Mumbai, India
- 11.00 *Tea*
- 11.30 – 12.45 Symposium-12: Gen-Next & Young Scientists' award session**
Moderators: Ms Joleen Almeida and Mr Charles Reuben DeSouza
- 11.30 Sourcing and evaluation of the efficacy of mosquitopathogenic bacilli from coastal environment in Goa, India: **Ms Joleen Almeida**, ICMR-National Institute of Malaria Research, Panaji, Goa, India
- 11.45 Role of gene duplication in insecticide resistance in *Anopheles stephensi*. **Ms Gunjan Sharma**
ICMR-National Institute of Malaria Research, New Delhi, India
- 12.00 Are vector habitats source of gut microbiota? **Ms Minisha Pereira**, ICMR-National Institute of Malaria Research, Panaji, Goa, India
- 12.15 Identification of mosquito-*Plasmodium* associations using Proteogenomics: **Dr Gourav Dey**, Institute of Bioinformatics, Bangalore, India

- 12.30 Assessing the diversity, evenness and infectivity of mosquitoes in closely situated city zones in Goa, India: **Mr Charles Reuben DeSouza**, ICMR-National Institute of Malaria Research, Panaji, Goa, India
- 12.45 Climatic and ecological attributes of Kyasanur Forest Disease in India. **Ms Poonam Singh**, ICMR-National Institute of Malaria Research, Sector 8, Dwarka, Delhi-110077, India
- 13.00 *Lunch hosted by MolBio Diagnostics Pvt. Ltd.*
- 15:00 **Valedictory Function**
Chief Guest: Prof. R. C. Mahajan, Emeritus Prof. PGIMER, Chandigarh, India
Guest of Honour: Dr Major S. Dhillon, Executive Director SOVE, USA
Guest of Honour: Mr William Van Dyke, Additional Executive Director, SOVE, USA
Guest of Honour: Dr Norbert Becker, Director, German Vector Control Association, University of Heidelberg, Germany
Guest of Honour: Prof. Paulo Pimenta, Fiocruz, Belo Horizonte, Minas Gerais, Brazil
Guest of Honour: Dr R. S. Sharma, Former Additional Director, NCDC and NVBDCP, New Delhi, India
Guest of Honour: Dr P. K. Srivastava, Former Joint Director, NVBDCP, New Delhi, India
- 16:30 **High Tea** (*hosted by Syngenta India Ltd.*)

We shall meet again