

Global Impact of Pandemic on Healthcare, Economy and Environment

By

Humboldt Academy Pune (HAP), Pune

February 15-17, 2024

Venue: Bogmallo Beach Resort, Goa, India

Programme

(Talk time includes presentation and discussion)

DAY-1: Thursday, February 15, 2024

13.00 – 15.00 h	Registration & Lunch
15.00 – 15.15 h	Inauguration (Chief Guest - Dr. Shekhar Mande; Guest of Honor - Prof. Suresh Gosavi, Vice Chancellor, Savitribai Phule Pune University; Prof. Dorothee Kimmich, University of Tübingen; Dr. Katja Yang, AvH Foundation; Achim Fabig, German General Consulate, Mumbai; Prof. BSM Rao, HAP President) – Coordinator – Dr. Jayant Khandare and Dr. Amol Kulkarni
15.15 – 15.30 h	<u>Introduction to the AvH Foundation & Humboldt Academy Pune Chapter:</u> Prof. BSM Rao, HAP President
15.30 – 16.10 h	<u>Plenary Lecture:</u> The Role of large chain of laboratories during the pandemic Dr. Shekhar Mande , Former Director General CSIR and Secretary, Department of Scientific and Industrial Research, Govt. of India, Distinguished Professor, Bioinformatics Centre, Savitribai Phule Pune University, Pune 411007 & Honorary Distinguished Scientist, National Centre for Cell Science, Pune, India
16:10 – 16.30 h	Tea/Coffee Break
Special Session:	50th Years of Indo-German Cooperation in S & T: Present & future Chair: Dr. Shekhar Mande and Prof. Dorothee Kimmich
16.30 – 17.00 h	<u>Invited Talk 1:</u> Connecting academic excellence worldwide – Introduction to the fellowship programmes of the Alexander von Humboldt Foundation Ms. Diane Fischer , Sponsorship and Network Department, AvH Foundation, Bonn, Germany
17:00 – 17.30 h	<u>Invited Talk 2:</u> Rethinking international cooperation in higher education and research after the impact of the Covid-19 pandemic Ms. Christina Maria Rath , Department of Foreign Languages, Savitribai Phule Pune University, Pune, India

Session I:

Immunity and work-life-balance for urban and rural population

Chair: Dr. Paul Ratnasamy and Dr. MV Badiger

17:30 – 18.00 h

Invited Talk 3: Agriculture reforms in India are necessary to improve rural economy

Prof. Dr. Arun P. Kulkarni, Centre of Studies in Social Sciences, India

18.00 – 18.30 h

Invited Talk 4: Waste to wealth through waste management in rural & urban sectors

Dr. Sonam Paliya, Indian Institute of Technology, Indore, India

18.30 – 18.50 h

Flash talks by Junior Researchers (10 talks of 90 sec. each by poster presenters) – Session Coordinators - Dr. S. G. Srivatsan and Dr. Moneesha Fernandez

19.00 – 22.00 h

Mixer & Dinner (2 min informal talks by Young and “Younger” Humboldtians about their experience in Germany)

DAY-2: Friday, February 16, 2024

07.00 – 09.00 h

Breakfast

Session II

What next for the population tested Covid-19 “Positive”

Chair: Prof. Rainer Haag and Dr. Jayant Khandare

09.30 – 10.00 h

Invited Talk 5: Challenges for the population tested Covid-19 positive

Prof. Dr. Dhuruva Chaudhary, Pandit Bhagwat Dayal Sharma Post Graduate Institute of Medical Sciences, Rohtak, India

10.00 – 10.30 h

Invited Talk 6: Handling COVID19 pandemic case study of Maharashtra

Prof. Dr. Lahane TP, Nodal officer for the state Maharashtra during COVID-19 pandemic, Director, Medical Education and Research, Maharashtra, India

10.30 – 11.00 h

Invited Talk 7: Nucleic Acids: From direct SARS-Cov2 detection to RNA repair

Prof. Andreas Marx, University of Konstanz, Germany

11.00 – 11.30 h

Tea/Coffee Break

SESSION-III

Chemical/Life Health Sciences and AI-ML in impacting healthcare

Chair: Dr. C. S. Gopinath and Prof. S. Sartale

11.30 – 12.00 h

Invited Talk 8: Witnessing reforms in the chemical industry

Dr. Amol Kulkarni, CSIR-National Chemical Laboratory, India

12:00 – 12.30 h

Invited Talk 9: Artificial intelligence and socio-cultural dynamics

Prof. Dorothee Kimmich, University of Tübingen, Germany

12.30 – 13.00 h	Invited Talk 10: Gaseous neurotransmitter releasing modified peptides in CN Prof. Sandeep Verma , Indian Institute of Technology, Kanpur, India
13.00 – 14.00 h	Lunch Break
SESSION-IV	Economic empowerment across the society Chair: Dr. Krishnamoorthy and Prof. BSM Rao
14.00 – 14.30 h	Invited Talk 11: Bremen-Pune friendship society Mr. Gunther Hilliges , Former Minister at Bremen State, Bremen, Germany
14.30 – 15.00 h	Invited Talk 12: Women empowerment in the Indian agriculture sector Ms. Bhushana Karandikar , Social worker, Pune, India
15.00 – 15.30 h	Flash talks by Junior Researchers (15 talks of 90 sec. each by poster presenters) – Session Coordinators - Dr. S. G. Srivatsan, Dr. Gnanaprakasam Boopathy, Dr. Pramod Pillai
15.30 – 16.00 h	Tea/Coffee Break
16.00 – 16.30 h	Flash talks by Junior Researchers (15 talks of 90 sec. each by poster presenters) – Session Coordinators - Dr. S. G. Srivatsan and Dr. Moneesha Fernadez
16.30 – 18.30 h	Poster presentation by Junior Researchers – Session Coordinators: Dr. Ramrup Sarkar and Dr. Gnanaprakasam Boopathy
19.00 Onwards	Entertainment (Cultural activities) followed by dinner

DAY-3: Saturday, February 17, 2024

07.00 – 09.00 h	Breakfast
SESSION-V	Awareness on protection of the environment for good agri-produce Chair: Prof. Arun Kulkarni and Dr. P. Tripathi
9.30 – 10.00 h	Invited Talk 13: Role of mass spectrometry in chemical ecology Dr. Ales Svatos , Max Planck Institute for Chemical Ecology, Jena
10.00 – 10.30 h	Invited Talk 14: Biotechnological interventions to improve draught tolerance crops Prof. Dr. Alok Krishna Sinha , National Institute of Plant Genome Research, India

10.30 – 11.00 h **Invited Talk 15:** Ecological studies provide ways to develop sustainable crop protection strategies for pest management
Prof. Anke Steppuhn, University of Stuttgart, Germany

11.00 – 11.30 h **Tea/Coffee Break**

SESSION-VI **Awareness on protection of the environment - live and let-live**

Chair: Dr. Anil Kumar and Dr. Rajeev Kumar

11.30 – 12.00 h **Invited Talk 16:** Glimpses of R&D in waste management: Realignment due to Covid-19 pandemic
Prof. Dr. Sunil Kumar, CSIR- National Environmental Engineering Research Institute, India

12.00 – 12.30 h **Invited Talk 17:** Sustainable use of land and natural resources: Towards protection of mangrove forests and their ecosystem services
Prof. Martin Zimmer, University of Bremen, Germany

12.30 – 13.00 h **Invited Talk 18:** Multivalent polyelectrolytes against corona virus mutants
Prof. Rainer Haag, Freie Universität Berlin, Berlin

13.00 – 14.00 h **Lunch**

SESSION-VII **Panel Discussion & Conclusion**
50-years of Success Story of Indo-German Cooperation in Science & Technology: Achievements and way forward

14.00 – 15.30 h Panel discussion coordinator - **Prof. Rainer Haag & Prof. Swati Acharya**
Panelist: Prof. BSM Rao, Dr. M. V. Badiger, Prof. Anke Steppuhn, Prof. Andreas Marx, Dr. Katja Yang, Ms. Christina Maria Rath and Young Humboldt Fellows (Dr. Sonam Paliya and Dr. Ramesh C Samanta)

15.30 – 16.00 h Conclusions, Poster awards and vote of thanks

16.00 – 17.00 h **Tea/Coffee Break**

17:00 – 19:00 h Site visit/Free time

19:00 – 21:00 h Dinner

DAY-4: Sunday, February 18, 2024

07.00 – 09.30 h **Breakfast**

Departures; Auf wiedersehen!