

Convener

Dr. D. J. Bagyaraj

INSA Honorary Scientist and Chairman, CNBRCD, Bangalore

Co-ordinator

Dr. T. Padmavathi,

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About the workshop

The main objective of the workshop is to introduce the recent topics in Microbiology by specialized subject experts to the audience of the undergraduate, post graduate and research students. It will also provide a common platform for the interaction of students and faculty members with a galaxy of eminent academicians from teaching and research institutions. The areas covered for the workshop are

- ❖ Soil Microbiology
- ❖ Molecular Biology
- ❖ Immunology
- ❖ Food Microbiology

FREE REGISTRATION

Registration

Registration is free. Maximum of 150 participants will be allowed to register. First come first serve basis registration will be done. Spot registration is not allowed. Under graduate, post graduate, research students and faculty can register. Participants will get a registration kit, lunch and tea. Participants will also get an attendance certificate

Accommodation and travel allowances

Participants have to make their own arrangements for accommodation and travel allowances.

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Speakers

Dr. D. J. Bagyaraj

INSA Honorary Scientist and
Chairman, CNBRCD, Bangalore

Dr. M. S. Shaila

Professor,
Department of Microbiology and Cell Biology,
IISc, Bangalore

Dr. Narendra Jawali

Retired Head, Molecular Biology Division,
BARC, Mumbai

Dr. Renu Agrawal

Chief Scientist and
Rural Programme Co-ordinator
in Food Microbiology,
CFTRI, Mysore

Two Day Lecture Workshop

On

Current Scenario in Microbiology

Organized by

Department of Microbiology,
School of Sciences,
Block 1, Jain University,
Jayanagar,
Bangalore-560011



Jain University

Declared as Deemed-to-be University u/s 3 of UGC Act, 1956

On

14th and 15th February 2018

Venue

Auditorium,
School of Sciences,
Block 2, Jain University,
J. C. Road,
Bangalore-560027

Indian Academy of Sciences

The *Indian Academy of Sciences* (IASc), Bangalore was founded in 1934 by Dr. C. V. Raman. Its objectives include promoting the progress of science in pure and applied branches. Major activities include organizing meetings for discussions on important topics, publication of scientific journals, recognizing scientific talents, improvement of science education and taking up other issues of concern to the scientific community.

Indian National Science Academy

The *Indian National Science Academy* (INSA), New Delhi was founded in 1935. It is a premier science academy in the country. INSA plays crucial role in promoting, recognizing and rewarding excellence.

National Academy of Sciences

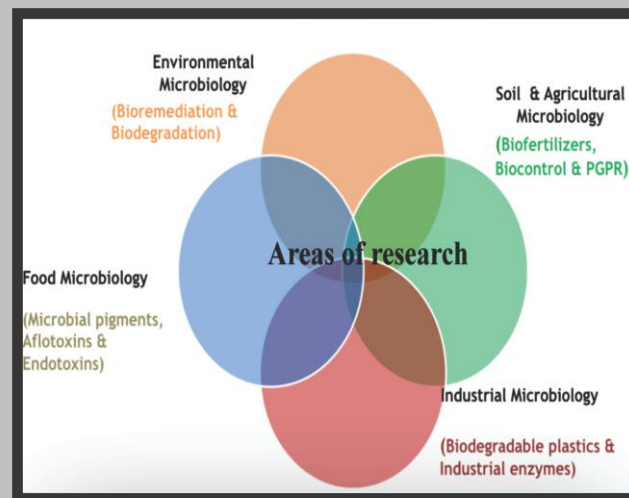
The *National Academy of Sciences* (NASI), Allahabad was founded in 1930. The main objective of the academy is to provide a national forum for the publication of research work carried out by Indian scientists.

Jain University

Jain University enlightens each and every aspiring student on higher education and career choices. Its ever evolving and open minded system encourages students to exceed expectations in the areas of interest thus guiding them to become ethically sound individuals. Due to its quest for continued success and resilience Jain University has become one of the top universities in India. The University which is spread across different campuses in Bangalore has left no stone unturned in providing state of the art facilities in various sectors including education, sports, entrepreneurship, research and its other ventures.

Department of Microbiology

School of Sciences, PG centre is an exclusive postgraduate and research center of Jain University. It is one of the Life Science department housed in 3rd Block, Jayanagar, established in the year 2003 as part of SBMJC affiliated to Bangalore University and as part of Jain University since 2009. The department is actively engaged in postgraduate teaching/research programmes in Microbiology. The department has excellent infrastructural facilities to support students' curriculum. The facilities include well equipped laboratories, IT resources and library. Microbiology is one of the most popular upcoming streams in the applied sciences. The subject explores the relevance of microbes to mankind by enlightening students about their beneficial and harmful aspects.



PROGRAMME SCHEDULE

Day 1 – 14.02.2018

- 9.00 a.m. to 9.30 a.m. Registration
- 9.30 a.m. to 10.00 a.m. Inauguration
- 10.00 a.m. to 11.30 a.m. Lecture by Dr. D. J. Bagyaraj
Topic: Microorganisms for sustainable agriculture
- 11.30 a.m. to 11.45 a.m. Tea Break
- 11.45 a.m. to 1.15 p.m. Lecture by Dr. Renu Agrawal
Topic: Role of probiotics in improving human health
- 1.15 p.m. to 2.00 p.m. Lunch Break
- 2.00 p.m. to 3.30 p.m. Lecture by Dr. Narendra Jawali
Topic: Antioxidants modulate *E. coli* susceptibility to some antibiotics
- 3.30 p.m. to 5.00 p.m. Lecture by Dr. Renu Agrawal
Topic: Rapid detection of pathogens
- 5.00 p.m. to 5.15 p.m. Tea Break

Day 2 – 15.02.2018

- 9.30 a.m. to 11.00 a.m. Lecture by Dr. Narendra Jawali
Topic: Molecular markers and their applications in plant biology
- 11.00 a.m. to 11.15 a.m. Tea Break
- 11.15 a.m. to 12.45 p.m. Lecture by Dr. D. J. Bagyaraj
Topic: Arbuscular Mycorrhizal fungi
- 12.45 p.m. to 1.30 p.m. Lunch Break
- 1.30 p.m. to 3.00 p.m. Lecture by Dr. Shaila
Topic: A historical perspective of conventional vaccinology
- 3.00 p.m. to 3.15 p.m. Tea Break
- 3.15 p.m. to 4.45 p.m. Lecture by Dr. Shaila
Topic: Reverse vaccinology in the post-genomic era
- 4.45 p.m. to 5.15 p.m. Valediction