

*Goals for the overall development of the
Department of Agricultural Microbiology,
AMU*



Prof. Abdul Malik,
F/o Agricultural Sciences
Department of Agricultural Microbiology,
AMU



- **1984: Centre of Agriculture**
- **1993: Institute of Agriculture** established by ICAR with *an initial grant of Rupees 2.6 crores during VIIIth plan.*
- **July 2000: President of India** in his capacity as **Visitor of the University** approved the creation of the **Faculty of Agricultural Sciences** with four following departments:

(1) Agricultural Economics and Business Management

(2) **Agricultural Microbiology**

(3) Plant Protection

(4) Post Harvest Engineering and Technology

2008: Home Science Section of Women's College was merged with the Faculty as fifth Department of the faculty.



Department of Agricultural Microbiology

- The Department of Agricultural Microbiology was established in 1993 with the generous funding from ICAR in the year 1993. The post-graduate teaching and research programs were initiated in 1995.
- Department is imparting teaching and training at Post-graduate and Doctoral levels in wider domains of Microbiology including Soil Microbial Ecology, Biochemistry, Food Microbiology, Environmental Microbiology, Agricultural Biotechnology, Molecular Microbiology and Nanotechnology.
- The Department has an open policy for collaborative research, and attract eminent scholars and scientists within the country and abroad for active participation in scientific interactions and joint research projects and publications.





Vision



To be a leading and vibrant centre of excellence in teaching, research, innovation and extension for sustainable agriculture and food production through crop protection, food and nutrition, and advanced microbial management strategies.



Mission

- To maintain a leadership role in the pursuit of knowledge through relevant and quality teaching, research, training for sustainable development, consultancy and outreach programmes.
 - To achieve excellence in teaching by designing basic and applied degree programmes that empower students to contribute at regional, national and global level.
 - To accomplish lab to land concept by disseminating the package of practices of technologies developed at the faculty for farmers to enhance agricultural productivity and quality of human life.
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Department of Agricultural Microbiology

- Professor: 4
- Associate Professor: 1
- Assistant Professor: 1

- Courses: M.Sc. (Agric. Microbiology)
- Student Intake: 10+2*
- *ICAR
- Ph.D.: Ag. Microbiology





New Courses to be Introduced

- B.Sc. Microbiology
- M.Sc. Applied and Environmental Microbiology



International Collaborations (DST-UK India Education Research Initiative)(Ongoing)

DST-UKIERI Joint Project

Prof. Abdul Malik

Department of Agricultural Microbiology
Aligarh Muslim University
Aligarh, Uttar Pradesh, India



Prof. Charles W. Knapp

Department of Civil and Environmental Engineering
University of Strathclyde
Glasgow, Scotland, UK



- Faculty exchange
- Student Exchange

*Scheme for Promotion of Academic and Research
Collaboration (SPARC) 2019-2021*

• By MHRD, Govt. Of India

• Total amount of grant sanctioned: Rs. 74,06,645

- ***Prof. Abdul Malik***
- Dr. Shams Tabrez Khan
Department of Agricultural Microbiology, Aligarh
Muslim University, Aligarh, Uttar Pradesh, India



- ***Dr. Alexandre Jousset***
- Dr. Mohammad hossein Ravanbakhsh
Utrecht University, Amsterdam, The Netherlands
(World University ranking 74th)



- International Faculty visit
- International Scholar visit
- Indian Scholar visit
- SPARC workshop/
Symposium

- **Prof. Abdul Malik, Department of Agricultural Microbiology, Aligarh Muslim University.**
- Prof. Rajiv Gupta, Birla Institute of Technology and Science, Department of Electrical and Electronics Engineering, India.
- Dr. Suchismita Satpathy, Birla Institute of Technology and Science, Department of Computer Science and Information Systems (Hyderabad Campus), India.
- Dr. S. Bankaru-Swamy, Amrita Vishwa Vidyapeetham, Department of Computer Science and Engineering, India.



- Urban Water System in Secondary Cities of India
- Technology development, transfer and implementation.
- Group monitoring workshop

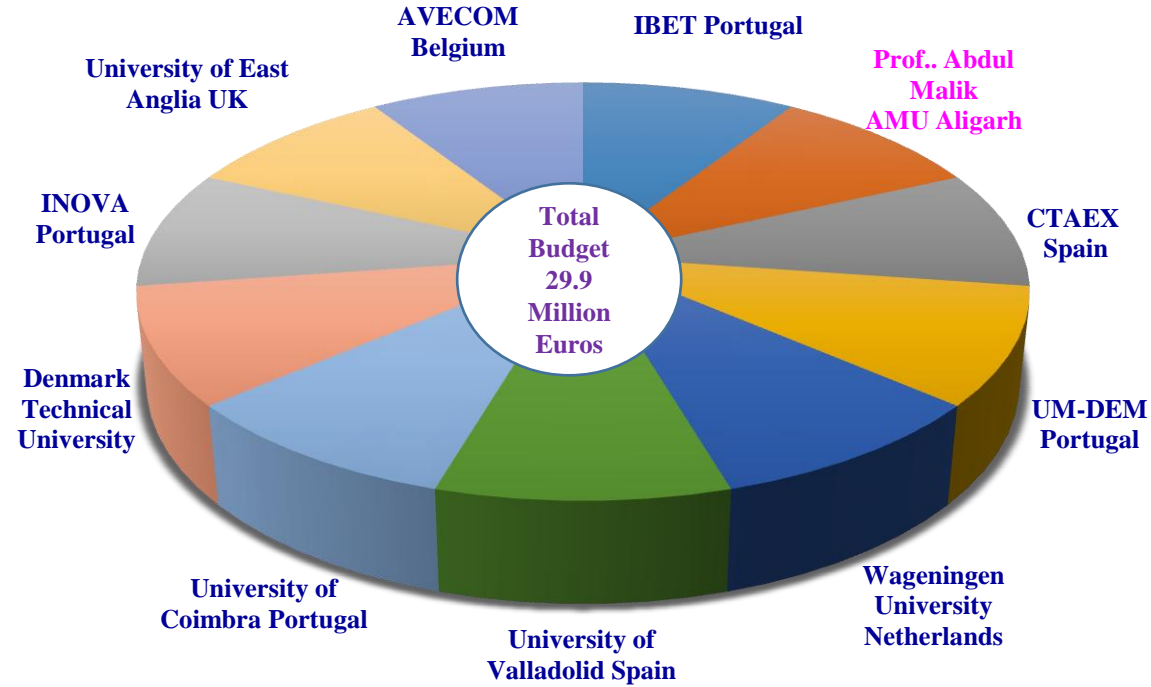
- Prof. Karin Pfeffer, University of Twente, Faculty of Geo-Information Science and Earth Observation, The Netherlands.
- Dr. Esha Shah, Wageningen University, The Netherlands.
- Dr. S Tankha Erasmus Universiteit, Rotterdam International Institute of Social Studies, The Netherlands.
- Dr. Yoram Krozer, Universiteit Twente, Faculty of Behavioural, Management and Social sciences, The Netherlands.





Research project submitted to European Commission

Research Grant Submitted to European Union





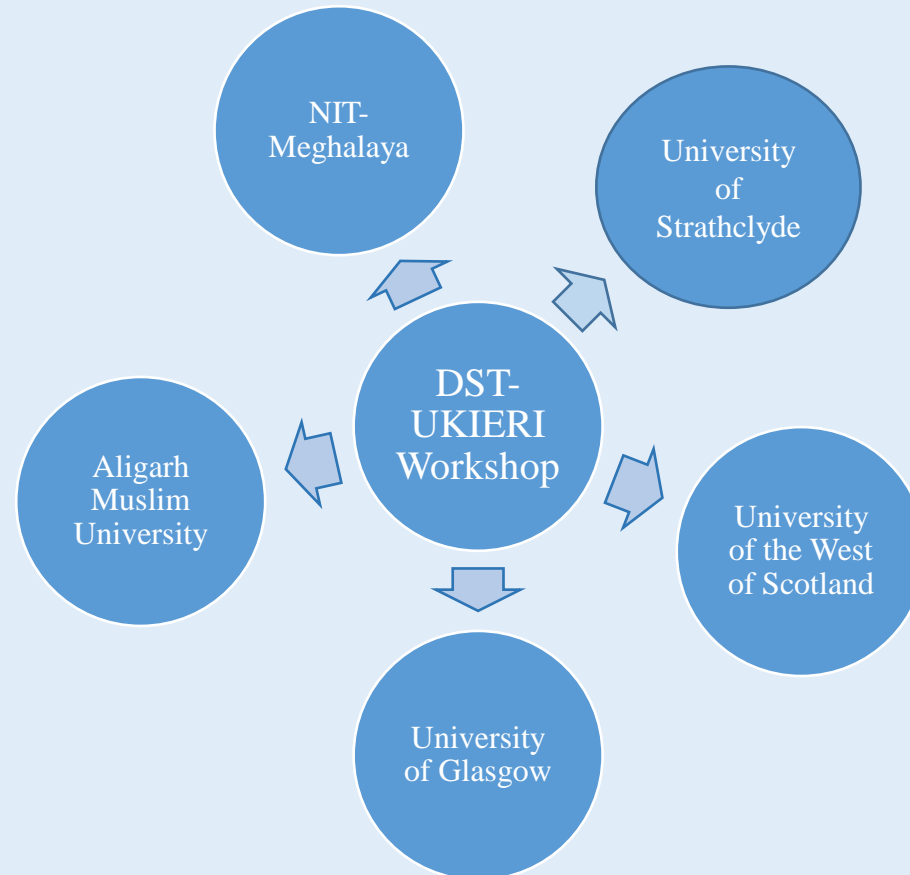
Benefits of Institutional Collaborations

- Increase knowledge, broaden perspectives, and develop skills of Faculty members and doctoral students.
- Strengthening of instrumentation.
- Promotion of the new generation of academicians
- Develop model programs and assess their effectiveness.
- Technology Development and transfer.
- Provide students with an intensive, hands-on experience, interact with European culture/life style in a range of different countries/institutions.



Trainings/ Seminars/ Conferences and workshops

- DST-UKIERI Partnership Workshop (DST-British Council, Submitted for Funding)
NIT-Meghalaya, Aligarh Muslim University, University of the West of Scotland, University of Glasgow and University of Strathclyde (Water Quality deterioration and Antimicrobial Resistance near Shillong)



Proposal to be submitted under:

- UGC-SAP
- DST-FIST
- NERC (Natural Environment Research Council) –DBT (Under preparation)
- Sandwich Model Programme for Doctoral Students (Albert Ludwigs University of Freiburg, Germany, World University ranking 104th)

ÇUKUROVA UNIVERSITY, ADANA, TURKEY

MEVLANA EXCHANGE PROGRAMME (MoU to be signed with AMU)

THANK YOU

A 3D illustration of the words "THANK YOU" in a playful, colorful font. Each letter is held by a small, white, stylized character with a spherical head and thin limbs. The characters are arranged in a line, holding their respective letters. The letters are: 'T' (red), 'H' (orange), 'A' (yellow), 'N' (yellow), 'K' (yellow), 'Y' (light green), 'O' (light green), and 'U' (green). The characters are standing on a thin, light-colored horizontal line. The background is plain white.