

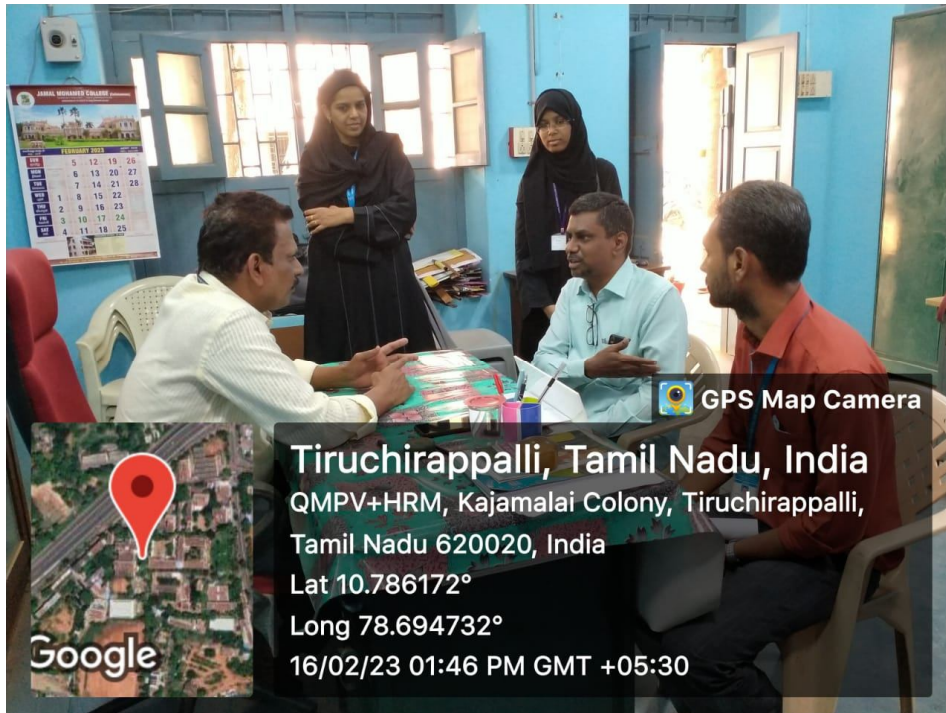
**P.G. & RESEARCH DEPARTMENT OF MICROBIOLOGY  
JAMAL MOHAMED COLLEGE (*Autonomous*)**  
Accredited (3rd Cycle) with 'A' Grade by NAAC  
(Affiliated to Bharathidasan University)  
TIRUCHIRAPPALLI – 620 020.

## **MoU Signing Ceremony**



**Jamal Mohamed College (Autonomous) and National Research centre for Banana, Tiruchirappalli  
signed the Memorandum of Understanding (MoU) on 31<sup>st</sup> January 2023**

# Parents teachers meeting was conducted by Department of Microbiology on 16<sup>th</sup> February 2023



Parents teachers meeting conducted by Microbiology Department

## **THE INTERNATIONAL CONFERENCE ON FUTURE CHALLENGES OF MICROBES IN ENVIRONMENT (ICFCME-2023)**

The International conference on Future Challenges of Microbes in Environment (ICFCME-2023) was organized by PG and Research Department of Microbiology, Jamal Mohamed College, Tiruchirappalli in association with Microbiologist Society, India on 23-02-2023 from 9.30 am to 6.20 pm in Syed Hussainudeen Hall (A/C). The Inaugural ceremony was started with Qirath. Dr.J. Sirajudeen, Coordinator of Microbiology, welcomed the gathering. The Presidential address was delivered by our honourable Vice Principal Dr.A. Mohamed Ibrheem. Felicitation was given by Assistant Secretary Dr.K. Abdus Samad. The theme of the conference was proposed by Dr.N. Packialakshmi, Assistant professor, Department of Microbiology. The tycoon of this International conference was Dr. A.M. Deshmukh, President, Microbiologists Society, India, Former Professor & Head, Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, inaugurated the programme and delivered the keynote address. Dr. N. Reehana, Assistant Professor of Microbiology proposed the Vote of thanks for the inaugural session. The first technical session began with the delegate Dr. N. Thajuddin, Professor, Department of Microbiology, School of Life Sciences, Bharathidasan University, Tiruchirappalli on the topic “Microalgae- a sustainable bioresource for present and future!”.

After the Tea break the second session was proceeded by Dr. Venktajothi Ramarao, Lecturer Grade -I, Department of Medical Microbiology, Basic Medical sciences, Michael Chilufya Sata School of Medicine, The Copper Belt University, Ndola, Zambia delivered the session on the topic “Modern Trends in Cervical Cancer Research and its Future Challenges”. The session was followed by Oral and Poster presentation from interested participants of various Institutions. Dr.A. Vijaya Anand, Professor, Department of Human Genetics and Molecular Biology, Bharathiyar University, Coimbatore and Dr. Aneez Mohammed, Associate Professor of Zoology acted as judges for the Oral presentation. Dr. N. Manoharan, Associate Professor. Department of Marine Science, Bharathidasan University and Dr. N. Packialakshmi, Assistant Professor of Microbiology acted as judges for the poster presentation. Around 25 members were participated in oral presentation and 10 members were participated in poster presentation.

After Lunch break, the third technical session was done by Dr. A. Sankaranarayanan, Assistant professor and Head in life sciences, Sri Sathya Sai University for Human Excellence, Navanihal, Kamalapur, Kalaburagi district, Karnataka gave a speech on the topic “Biofilms: friends? or foe? –

**An Approach towards the sustainable Environment”. The fourth plenary session was undertaken by Dr. A. Vijaya Anand, Professor, Department of Human Genetics and Molecular Biology, Bharathiyar University, Coimbatore spoke on the topic “Drug Discovery -Basic Science to Clinical Science - role of Microbiologists”.**

**Valediction of the conference was started with qirath. The welcome address for the Valediction ceremony was given by Dr. M. Mohamed Maharoop Raja, Assistant professor and MID, Department of Microbiology. Dr.A.K. Khaja Nazeemudeen, Secretary & Correspondent, Jamal Mohamed College delivered the felicitation address. The Valedictory address was delivered by Dr. D. Dhanasekaran, Associate professor, Department of Microbiology, School of life sciences, Bharathidasan University. The report of the seminar is being presented by, Dr. H. Vajiha Banu, Assistant professor, Department of Microbiology. The distribution of the certificates for the Oral and Poster presentation winners, participants were given by Dr. Venktajothi Ramarao, Dr. D. Dhanasekaran and Dr. J. Sirajudeen, Coordinator of Microbiology department. The vote of thanks was proposed by K. Vijayalakshmi, Assistant professor and Vice president, Department of Microbiology. 221 participants were registered and attended our international conference. Participants were participated from various institutions of Srimad Indira Gandhi College, National College, Cauvery college, Holy cross College, MIET college, Bharathidasan University, Bharathiyar University, Central University, Tiruvarur, Madurai Kamaraj University, SRM Institute of technology, Hans Rover College, Perambalur, Srinivasan College and Dhanalakshmi Srinivasan college, Perambalur, Excel College, Karur, Standard Fireworks Rajarathnam college, Sivakasi, Marudupandiyar College, Thanjavur, Government Arts college, Cuddalore, H.H. The Rajah’s College, Pudukkottai, Thigarajar College, Madurai, Muthayammal college, Rasipuram, Hajee Karutha Rowthar Howdia College, Uthamapalyam, R.V.S College of arts and Science, Coimbatore, Sengamala Thayaar Educational trust, Mannargudi, Paravtibai Chowgule college, Goa, SAFI Institute of Advanced Study, Malappuram, Kerala and from the Department of Botany, Physics, Biotechnology and Zoology, Jamal Mohamed College. All invited speakers addressed to audience and shared knowledge and experiences on recent researches with microbes. This program featured a wide variety of invited and contributed lectures from international and national speakers about the challenges, opportunities and recent advances in Microbiology. The conference concluded with the National Anthem.**

# Brochure of the International Conference on Future Challenges of Microbes in Environment (ICFCME-2023) on 23-02-2023

### Registration Form

**International Conference on Future Challenges of Microbes in Environment**  
in association with  
**Microbiologists Society, India (MBSI)**  
23<sup>rd</sup> February 2023

Name of the Participant : \_\_\_\_\_  
Designation/Class : \_\_\_\_\_  
Institution Address : \_\_\_\_\_  
Whether presenting paper : Yes/No  
(Tick which is applicable)  
Title of the paper : \_\_\_\_\_

Corresponding Address : \_\_\_\_\_

Mobile No : \_\_\_\_\_  
E-mail Id : \_\_\_\_\_

Details of Payment : \_\_\_\_\_  
Amount : \_\_\_\_\_  
Receipt No. : \_\_\_\_\_  
Date : \_\_\_\_\_  
Name of the Bank : \_\_\_\_\_

Date : \_\_\_\_\_  
Place : \_\_\_\_\_

**Note :**  
Photocopies of registration form can also be used  
Kindly fill up in BLOCK LETTERS

**Department of Microbiology  
Jamal Mohamed College  
Tiruchirappalli-620 020**

#### Organizing Committee

**CHIEF PATRONS**  
Dr.A.K. Khoja Nazeemudeen, D.Lin (USA), Secretary & Correspondent  
Hajee. M.J. Jamal Mohamed, Treasurer  
Dr. K. Abdus Samad, Assistant Secretary  
Dr. K.N. Abdul Kader Nihal, Member & Hon. Director  
Dr. K.N. Mohamed Fazil, Director - Hostel Administration  
Ms. J. Hajira Fatihma, Director - Hostel Administration (Women)

**CHAIRMAN**  
Dr. S. Ismail Mohideen, Principal

**VICE-CHAIRMAN**  
Dr. A. Mohamed Ibrahim, Vice-Principal  
Dr. M. Mohamed Sihanudeen, Add.Vice-Principal

**CONVENER**  
Dr. J. Sirojudeen, Coordinator, P.G. & Research Department of Microbiology

**ORGANIZING SECRETARIES**  
Dr. M. Mohamed Mahroop Raja, Assistant Professor & Member to-charge  
P.G. & Research Department of Microbiology  
Mrs. K. Vijayalakshmi, Assistant Professor & Vice President of Microbiology Association  
P.G. & Research Department of Microbiology

**EXECUTIVE COMMITTEE MEMBERS**  
Dr. N. Pockialakshmi, Assistant Professor  
Dr. N. Ravishankar, Assistant Professor  
Dr. H. Vajitha Bama, Assistant Professor  
Mrs. A. Fasila Begum, Assistant Professor  
Ms. A. Swedha, Assistant Professor

**MICROBIOLOGISTS SOCIETY, INDIA (MBSI)**  
Dr. A. M. Deshmukh, President, MBSI  
Dr. S.D. Patankar, National Convener, MBSI  
Dr. Swagata, Member, MBSI  
Dr. Swaranjit Singh, Member, MBSI  
Dr. Prashant Wakte, Member, MBSI  
Dr. D. Dhanasekaran, State President, MBSI



**P.G. & RESEARCH DEPARTMENT OF MICROBIOLOGY**  
IN ASSOCIATION WITH  
**MICROBIOLOGISTS SOCIETY, INDIA**

Organises an  
*International Conference*  
on  
**Future Challenges of Microbes in Environment**  
**(ICFCME-2023)**  
23<sup>rd</sup> February 2023

**JAMAL MOHAMED COLLEGE (Autonomous)**  
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Tiruchirappalli – 620 020.  
Tamil Nadu, India.

### About the College

Jamal Mohamed College was founded in 1951, as an affiliated college to the University of Madras and then affiliated to Bharathidasan University, Tiruchirappalli, when it was formed in 1982. Jamal Mohamed College is situated in the central part of Tamil Nadu, Tiruchirappalli city. It was established as a religious minority institution with the primary objective of providing higher education to the downtrodden and socially backward section of the society in general and Muslim minority in particular. The college is administered by the Society of Jamal Mohamed College. It is established in a sprawling land area of 87 acres, as a religious minority institution. Hajee M. Jamal Mohamed Sahib and Janab N.M. Khajamian Rowther, of revered memory, were the founding fathers of this institution. In the year 1957, the college got the single honor of being bracketed with the thirty best colleges in India when Dan Farth Foundation of USA selected the college for the award of study fellowships in U.S.A. In 1963, the college was elevated to the status of a post-graduate college. In the year 1972, the college was recognized by UGC New Delhi, for the purposes of Grants under section 2(F) and 12(B) of the University Grants Commission Act 1956. In 1977, on the recommendation of the University of Madras, the UGC recognized the college as one of the ten "Lead colleges" in the university area. The College was accredited at Five Star Level by NAAC during 2002 and conferred with Autonomous Status by UGC, New Delhi and Bharathidasan University in 2004-2005. In January 2009, the College was accredited by NAAC with A-Grade (2<sup>nd</sup> Cycle) - CGPA 3.6 out of 4.0. Our College was bestowed with the unique honor of "CPE" status Phase-I and Phase-II by the University Grants Commission under the Scheme "Colleges with Potential for Excellence" in 2011 and 2016 respectively. We retained the 'A' Grade awarded by NAAC during the third cycle of accreditation in 2015.

Department of Science and Technology (DST), Government of India has accorded FIST Scheme to the Departments of Botany, Physics and Zoology in 2004 and to the Department of Mathematics in 2008. Again DST FIST Scheme has been extended to the Departments of Botany, Computer Science, Mathematics, Physics and Zoology in 2019. Five Science Departments such as Botany, Chemistry, Mathematics, Physics and Zoology have been awarded the Star Status Scheme by the Department of Bio Technology (DBT) in 2020. Over a period of 71 years, the college was able to scale greater heights and raise to the present status as a multi-faculty institution with 25 UG and 21 PG courses. 19 departments of the college are functioning with the status of approved research centres. The college has a strength of around 12000 students. The college celebrated its silver Jubilee in 1971, subsequently the Golden Jubilee and Diamond Jubilee in 2001 and 2011 respectively. "The Jamal" journey continues with all gentle Jamalians for still more greater heights of glory in higher education.

### About the Department

A two year post graduate degree in Microbiology has been offered since 1998 under the self-financing scheme for men and additional section has been started in the academic year 2008 - 2009 for women. Undergraduate course has been offered since 2015 under the self-financing scheme for women. The strength of the department lies in the potential and dedication of the teaching faculty with full bloomed laboratory. The Department has well furnished air conditioned laboratories with computer systems, Advanced Nikon Photo Microscopy, Two Dimensional Gel Electrophoresis, ELISA Reader, Thermal Cycler and Gel Document system. Our students of Microbiology secured University rank every year. The excellent infrastructure facilities available in the department and the quality of education offered have been well appreciated by researchers and academicians.

#### Microbiologists Society, India (MBSI)

Microbiologists Society, India (<http://microbiosociety.org/>) is a registered Non-Government Organization working at National and International level in promoting Microbiology. It was established in March 1996 and registered in November 1996 in Satura, Maharashtra, India (MAH/4814/SAT). The society was incepted to introduce the importance of Microbiology at all levels of education (viz; Schools, Colleges and Universities) and encourage the research as well as take it to the consumers in the field of agriculture, medicine, food, fermentation and all other microbiology based industries.

#### About the Conference

Microbes and environment provide a huge reservoir of resources which can be utilized for human benefits. Therefore, the research on microbes and environment is important to solve new and emerging disease problem is now posed to answer the fundamental question about the nature of microbial community and the process that shaped and sustained the environment themselves. This International Conference on Future Challenges of Microbes in Environment mainly focuses on beneficial and harmful impacts of microbes on environment and their role to maintain quality, health, and sustainability of environment and also bring together leading academic scientists, researchers and students to exchange and share their experiences and research as well as practical challenges encountered and solutions adopted in the fields of microbiology. The endeavor of the conference is to have a detailed discussion on the emerging area on the life sciences and bring out the ideas from budding scientists and young talented researchers towards new findings in the following topics:

- Agriculture and Environmental Technology
- Biodiversity and Conservation
- Biofuels and Bioenergy
- Drug Design and Delivery
- Marine Microbiology
- Medical Microbiology
- Microbial Nanotechnology
- Microbial Production of Bioactive compounds
- Molecular Pathogenesis and Diagnosis
- Pharmaceutical Microbiology
- Plant Pathology
- Plant and Animal Biotechnology

### Call for Papers

Abstracts of original and ongoing researches in the relevant areas are invited from PG students, academicians, research scholars, scientists and teaching faculty to explore their ideas in growing scientific field towards new vistas. Abstracts should be in Times New Roman, font size 12 with 1.5 mm line spacing for oral/poster presentation. The abstracts and the payment receipt copy should be mailed to [icfme23@gmail.com](mailto:icfme23@gmail.com) on or before 17.02.2023. The accepted details will be notified through E-mail.

#### Important Dates

Abstract Submission	: 15 <sup>th</sup> February 2023
Last date for Registration	: 17 <sup>th</sup> February 2023
Date of Conference	: 23 <sup>rd</sup> February 2023

#### Registration and Payment Details

Registration link: <https://forms.gle/CIQIhXee1YXDf46>

#### Registration Fee

Students	: ₹ 300
Research Scholars / Faculty Members	: ₹ 500
Industrialist / Academicians	: ₹ 700

Registration fee includes Certificate, Kit, Lunch and Refreshment.

#### Bank Account Details

Payment can be made through online mode by Google pay, Phone pay, Paytm & NET

Account Name : Jamal Mohamed College  
Current Account Number : 0467 0200 0000 009  
Name of the Bank : Indian Overseas Bank  
Branch : Jamal Mohamed College Branch, Tiruchirappalli-620 020.  
IFSC Code : IOBA0000467  
MICR Code : 620020010

Note: Money should be sent only through Domestic Bank Accounts.

#### Further Details Contact Organizing Secretaries

**Dr. M. Mohamed Mahroop Raja**  
Call: 98659 69090

**Mrs. K. Vijayalakshmi**  
Call: 9095353467  
E-mail: [icfme23@gmail.com](mailto:icfme23@gmail.com)

**Department of Microbiology  
Jamal Mohamed College  
Tiruchirappalli-620 020**

# Invitation of the International Conference on Future Challenges of Microbes in Environment (ICFCME-2023) on 23-02-2023

## Programme Schedule

8.30 a.m.	:	<b>REGISTRATION</b>	
9.30 a.m.	:	<b>INAUGURATION</b>	
<b>TECHNICAL SESSIONS</b>			
10.30 a.m. – 11.15 a.m.	:	Session - I	
Speaker	:	<b>Dr. N. THAJUDDIN</b>	Professor, Department of Microbiology, School of Life Sciences Bharathidasan University, Tiruchirappalli - 620 024. <b>Title : Microalgae - A Sustainable Bioresource for Present and Future!</b>
11.15 a.m. - 11.30 a.m.	:	<b>TEA BREAK</b>	
11.30 a.m. - 12.15 p.m.	:	Session - II	
Speaker	:	<b>Dr. VENKATAJOTHI RAMARAO</b>	Lecturer Grade-I, Department of Medical Microbiology, Basic Medical Sciences, Michael Chulufya Sata School of Medicine The Copperbelt University, Ndola, Zambia. <b>Title : Modern Trends in Cervical Cancer Research and its Future Challenges</b>
12.15 p.m. – 1.15 p.m.	:	<b>ORAL PRESENTATION / POSTER PRESENTATION</b>	
1.15 p.m. - 2.15 p.m.	:	<b>LUNCH BREAK</b>	
2.15 p.m. - 3.00 p.m.	:	Session III	
Speaker	:	<b>Dr. A. SANKARANARAYANAN</b>	Associate Professor and Head in Life Sciences Sri Sathya Sai University for Human Excellence, Navanihal, Kamalapur Kolar District - 585 313, Karnataka State. <b>Title : Biofilms : Friends or Foe? - An Approach Towards Sustainable Environment</b>
3.00 p.m. - 3.45 p.m.	:	Session IV	
Speaker	:	<b>Dr. A. VIJAYA ANAND</b>	Professor, Department of Human Genetics & Molecular Biology Bharathiar University, Coimbatore - 641 046. <b>Title : Drug Discovery : Basic Science to Clinical Science - Role of Microbiologist</b>
3.45 p.m. - 4.00 p.m.	:	<b>TEA BREAK</b>	
4.15 p.m.	:	<b>VALEDICTION</b>	

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TIRUCHIRAPPALLI – 620 020  
TAMIL NADU, INDIA

**P.G. & Research Department of Microbiology**  
In association with  
**Microbiologists Society, India**  
Organizes an  
*International Conference on*  
**Future Challenges of  
Microbes in Environment  
(ICFCME-2023)**  
*Date : 23.02.2023 (Thursday)*  
*Venue : Syed Hussainudeen Hall (A/C)*

Department of Microbiology  
Jamal Mohamed College  
Tiruchirappalli-620 020

## Inauguration

**Time : 9.30 a.m.**

Welcome Address	:	<b>Dr. J. SIRAJUDEEN</b>	Coordinator, Department of Microbiology
Presidential Address	:	<b>Hajee Dr. S. ISMAIL MOHIDEEN</b>	Principal
Theme of the Conference	:	<b>Dr. N. PACKIALAKSHMI</b>	Assistant Professor
Felicitations	:	<b>Dr. A. K. KHAJA NAZEEMUDEEN</b>	Secretary & Correspondent
		<b>Hajee M. J. JAMAL MOHAMED</b>	Treasurer
		<b>Dr. K. ABDUS SAMAD</b>	Assistant Secretary
		<b>Dr. K.N. ABDUL KADER NIHAL</b>	Member & Hon. Director
		<b>Dr. A. MOHAMED IBRAHEEM</b>	Vice-Principal
		<b>Hajee Dr. M. MOHAMED SIHABUDEEN</b>	Addl. Vice-Principal
		<b>Dr. K.N. MOHAMED FAZIL</b>	Director - Hostel Administration
		<b>Ms. J. HAJIRA FATHIMA</b>	Director - Women's Hostel
Inaugural & Key-note Address	:	<b>Dr. A.M. DESHMUKH</b>	National President, Microbiologists Society, India
Vote of thanks	:	<b>Dr. N. REEHANA</b>	Assistant Professor

## Valediction

**Time : 4.15 p.m.**

Welcome Address	:	<b>Dr. M. MOHAMED MAHROOP RAJA</b>	Assistant Professor & MID, Department of Microbiology
Presidential Address	:	<b>Hajee Dr. S. ISMAIL MOHIDEEN</b>	Principal
Presentation of Conference Report	:	<b>Dr. H. VAJIHA BANU</b>	Assistant Professor
Felicitations	:	<b>Dr. A. K. KHAJA NAZEEMUDEEN</b>	Secretary & Correspondent
		<b>Hajee M. J. JAMAL MOHAMED</b>	Treasurer
		<b>Dr. K. ABDUS SAMAD</b>	Assistant Secretary
		<b>Dr. K.N. ABDUL KADER NIHAL</b>	Member & Hon. Director
		<b>Dr. A. MOHAMED IBRAHEEM</b>	Vice-Principal
		<b>Hajee Dr. M. MOHAMED SIHABUDEEN</b>	Addl. Vice-Principal
		<b>Dr. K.N. MOHAMED FAZIL</b>	Director - Hostel Administration
		<b>Ms. J. HAJIRA FATHIMA</b>	Director - Women's Hostel
Valedictory Address	:	<b>Dr. D. DHANASEKARAN</b>	Associate Professor Department of Microbiology, School of Life Sciences Bharathidasan University, Tiruchirappalli - 620 024.
Vote of Thanks	:	<b>K. VIJAYALAKSHMI</b>	Assistant Professor & Vice President, Department of Microbiology

# Photos of International Conference on Future Challenges of Microbes in Environment (ICFCME-2023)









## External BOS Meeting



**External Board of Studies Meeting was held on 25.02.2023 at 10.00 am under the BOS chairman Dr.J.Sirajudeen for the academic year 2022-2023 in the Department of Microbiology.**