

# **National Seminar on INNOVATIVE RESEARCH APPROACHES IN VACCINE TECHNOLOGY**

(Under DBT-Star College Scheme)

**28<sup>th</sup> May 2022**

## **Seminar Report**

A one-day **National Seminar on INNOVATIVE RESEARCH APPROACHES IN VACCINE TECHNOLOGY** (IRAVT - 2022) was organized in the P.G Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirappalli on the 28<sup>th</sup> May 2022. Vaccine Technology, Animal Biotechnology, Drug design and Delivery, Eco-toxicology, Cancer Biology, Molecular Biology, Immuno-technology, Radiation Biology, Microbiology and Stem Cell Biology were the theme areas of the Seminar.

Dr. P. GNANAGURU M. D. Professor and Head, Department of Microbiology, Govt. Medical College, Tiruchirappalli-01, inaugurated the Seminar in the morning and delivered a lecture on **“VACCINE, VACCINE TECHNOLOGY AND RECENT UPDATION”**. Dr. Mohamed Ibrahim, Vice-Principal, Jamal Mohamed College presided over the function and Management Committee Members felicitated the gathering. Dr. I. JOSEPH A. JERALD, Associate Professor and Head, Dept. of Zoology welcomed the gathering and Dr. M. ANEEZ MOHAMED, Associate Professor, Dept. of Zoology proposed a vote of thanks.

As many as 20 delegates from reputed institutions participated in the event and a few research abstract were received from Faculty members, Research scholars, UG and PG students. All the accepted research works would be published in the form of an Abstract Book. The soft copy of the version was also released as a CD in the Inaugural session. I whole heartedly thank all the participants for their immense contribution in the form of abstracts of their research works. A remarkable thing to mention here is the enthusiasm and interest of faculty members shown for presenting their significant research findings. All the research scholars together with the faculty members have succeeded in their attempts to present their papers, which helped to motivate young minds and create a scientific temper among the student

community. In recognition of their efforts, we have also distributed prizes for the best presentations.

The second session was continued by a lecture given by **Dr. P. RAMALINGAM**, Senior Scientist, ICMR- National Institute for Research in Tuberculosis (NIRT), Chennai-31 on “**COVID-19: VACCINE STRATEGIES**”. He has discussed the role of Vaccine and various modern Vaccine techniques, in understanding the problems associated with Human disease and Pharma science.

In the afternoon session a lecture on “**ANTIDOTE FOR CANCER**” by **Dr. M. RAM MOHAN**, Director, Cheran College of Pharmacy, Coimbatore was delivered. His talk was informative with details of his studies regarding breast cancer and the drugs screened for it at the National University of Singapore.

**Dr. M. RAM MOHAN** Director, Cheran College of Pharmacy, Coimbatore delivered the valedictory address. Dr. S. ISMAIL MOHIDEEN, Principal, Jamal Mohamed College presided over the Valedictory session. Dr. A.K. KHAJA NAZEEMUDEEN, Secretary and Correspondent of the College, Hajee M.J. JAMAL MOHAMED, Treasurer and Dr. K. Abdus Samad, Assistant Secretary, felicitated. Certificates along with prizes for the best paper presentation were awarded. Before which Feedback of the Seminar was given by participants. A detailed report of the Seminar was readout by Dr. R. Krishnamoorthy the Organising Secretary of the Days’ proceedings and finally the programme came to an end with the Vote of Thanks proposed by Dr. A. Sadiq Bukhari, Assistant Professor, Dept. of Zoology, Tiruchirappalli.



#### THRUST AREA

- Animal biotechnology
- Biodiversity Conservation
- Ecotoxicology
- Entomology
- Environmental Biology
- Ethnobotany
- Microbiology
- Radiation Ecology
- Stem cell biology

#### Call for Papers / Submission Guidelines for Authors

- The articles should be original and should not have been published anywhere else for publication

- Manuscript should must be prepared in English (not exceeding 2500 words with 12 font size in Times New Roman), abstract not exceeding 300 words and should be sent through the e-mail jmcich2020@gmail.com on or before 14th November 2020
- The name of the corresponding author has to be marked with asterisk, e-mail id of the corresponding author is must
- Accepted articles will be published in a Scientific Journal with ISBN number
- Young Scientist and the best Oral presentation will be awarded

#### REGISTRATION FEE

Scholars/Students : Rs. 200/-  
Staff/Industrialist : Rs. 400/-

#### Online Registration Link:

<https://forms.gle/tjxijdtWkpEzNeB9>

Last date for submission of abstract is 11.03.2022.

#### PAYMENT MOODE

Registration fees should be paid to the following account through NEFT/RTGS/other online mode.

Account Name : JAMAL MOHAMED COLLEGE  
Current Account Number : 046702000000009  
Bank Name : India Overseas Bank  
IFS Code : IOBA0000467  
MICR Code : 620020010  
Branch : IOB JMC BRANCH, TRICHY

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

#### CONTACT DETAILS

**Dr. R. Krishnamoorthy**  
Assistant Professor of Zoology  
Jamal Mohamed College (Autonomous)  
Trichirappalli – 620 020, Tamil Nadu.  
Mobile Number: +91-91502 68331  
Email Id: jmcich2020@gmail.com



### National Seminar on INNOVATIVE RESEARCH APPROACHES IN BIOLOGICAL SCIENCES

(Under DBT-STAR College Scheme)

23<sup>rd</sup> & 24<sup>th</sup> May 2022

### DEPARTMENT OF ZOOLOGY JAMAL MOHAMED COLLEGE (Autonomous)

College with Potential for Excellence  
Accredited (3<sup>rd</sup> Cycle) with 'A' Grade by NAAC  
DBT Star College Scheme & DST-FIST Funded  
(Affiliated to Bharathidasan University)  
Trichirappalli – 620 020, Tamil Nadu, India



#### Profile of the College

Jamal Mohamed College (Autonomous), is a premier minority first grade Government aided institution established in the year 1951 with the primary objective of offering quality higher education to the socially disadvantaged sections of the society. As a multi faculty monument, the institution now has a student strength of over 12,000 in 23 UG and 21 PG courses. 17 Departments of the College are approved and elevated as Research Centres. The institution was bestowed with Five Star status in 2002 and garnered renown and recognition with autonomy in 2004. The NAAC re-accredited the college in 2008 and 2015 with 'A' Grade. The UGC awarded status of "College with Potential for Excellence" has been extended for the Phase II in 2016. The quality performance and meritorious service brought our institution the extension of 'A' Grade by NAAC upto 2023. The College has obtained the prestigious 65 rank among top ranking institutions in NIRF Rankings - 2021.

#### Department of Zoology

The Department of Zoology established in 1958 is one of the pioneer Research Departments of this college offering graduate and research programmes. The department is supported by DST-FIST programme and recently bestowed with DBT-STAR College Scheme. A remarkable number of Research Projects are conducted with the financial assistance from agencies such as UGC, DAE-BRNS, INSA, DST, BARC and MoEF.

#### About the Seminar

The conference will focus on the latest advances and cutting edge research in the field of Biological Sciences and Environment. It will serve

as a good platform to gather a number of senior scientists and experts from reputed Laboratories, Universities and Research Institutes in India. Young scientists and students can utilize this as an opportunity to have an effective interaction with eminent personalities and to understand the latest Research advancements in the frontier areas of Biological Sciences and protection of Ecosystem.

#### ORGANISING COMMITTEE

##### PATRONS-MANAGEMENT COMMITTEE

**Hajee M. J. JAMAL MOHAMED BILAL**

President

**Dr. A. K. KHAJA NAZEEMUDEEN**

Secretary and Correspondent

**Hajee M. J. JAMAL MOHAMED**

Treasurer

**Dr. K. ABDUS SAMAD**

Assistant Secretary

**Dr. K. M. ABDUL KADER NIHAL**

Member and Honorary Director

**Dr. K. M. MOHAMED FAZIL**

Director - Hostel Administration

**Ms. J. Hajira Fathima**

Deputy Director - Hostel Administration (Women)

##### CHAIRMAN

**Dr. S. ISMAIL MOHIDEEN**

Principal

##### CONVENOR

**Dr. I. JOSEPH ANTONY JERALD**

Head (i/c), Department of Zoology

##### ORGANIZING SECRETORY

**Dr. R. KRISHNA MOORTHY**

Assistant Professor of Zoology

#### EXECUTIVE COMMITTEE MEMBERS

**Prof. S. N. Sheik Umar Sahith**

Associate Professor of Zoology

**Dr. M. I. Hussain Syed Bava**

Associate Professor of Zoology

**Dr. M. Aneez Mohamed**

Associate Professor of Zoology

**Dr. A. Sadiq Bukhari**

Assistant Professor of Zoology

**Dr. K. Prabhakar**

Assistant Professor of Zoology

**Dr. H. E. Syed Mohamed**

Assistant Professor of Zoology

**Dr. M. Meeramsideen**

Assistant Professor of Zoology

**Dr. S. Mohamed Hussain**

Assistant Professor of Zoology

**Dr. P. Rajasekar**

Assistant Professor of Zoology

**Dr. M. Salahudeen**

Assistant Professor of Zoology

**Prof. P. A. Ashique**

Assistant Professor of Zoology

**Dr. Mohamed Shamsudin**

Associate Professor, MED SE, Zoology

**Dr. R. Indira**

Assistant Professor of Zoology

**Dr. P. Suganthi**

Assistant Professor of Zoology

**Dr. Dhanaalakshmi**

Assistant Professor of Zoology

#### NATIONAL ADVISORY COMMITTEE

**Dr. C. Gunasekaran**, Bharathiar University, Coimbatore

**Dr. M. A Akbarsha**, National College, Trichirappalli

**Dr. P. Shahul Hameed**, Director, CEER, Trichirappalli

**Dr. N. Thajuddin**, Bharathidasan University, Trichirappalli

**Dr. R. Jayakumar**, CMFR, Chennai

**Dr. M. Kailasam**, CIBA, Chennai

**Dr. S. Janarthanan**, University of Madras, Chennai

**Dr. B. Senthil Kumaran**, University of Hyderabad

**Dr. R. K Singhal**, ACD, BARC, Mumbai

**Dr. T. S. Rao**, WSCD, BARC (F), Kalpakkam

**Dr. T. Ravinamickam**, Tamil Nadu Open University

**Dr. A Ramesh Kumar**, Zoology Survey of India, Kolkata

**Dr. A. Jabanesan**, Professor and Head

Annamalai University, Chidambaram

**VALEDICTION: 4.00 PM**

**Welcome Address :** Dr. I. JOSEPH A. JERALD  
Head, Department of Zoology

**Presidential Address :** Dr. S. ISMAIL MOHIDEEN  
Principal

**Felicitations :** Dr. A. K. KHAJA NAZEEMUDEEN  
Secretary and Correspondent

Hajee M.J. JAMAL MOHAMED  
Treasurer

Dr. K. ABDUS SAMAD  
Assistant Secretary

Dr. K. N. ABDUL KADER NIHAL  
Member & Honorary Director

Dr. A. Mohamed Ibraheem  
Vice Principal

Dr. M. Mohamed Sihabudeen  
Additional Vice Principal

Dr. K. N. Mohamed Fazil  
Director - Hostel Administration

Ms. J. Hajira Fathima  
Director - Women Hostel

Dr. M. RAM MOHAN  
Director, Cheran Pharmacology College,  
Coimbatore

**Seminar Report :** Dr. R. Krishnamoorthy  
Organizing Secretary

**Vote of Thanks :** Dr. A. Sadiq Bukhari  
Assistant professor of Zoology

**National Seminar on**



## **INNOVATIVE RESEARCH APPROACHES IN VACCINE TECHNOLOGY**

(Under DBT-Star College Scheme)

28<sup>th</sup> May 2022

**VENUE: SYED HUSSAINUDEEN HALL**



### **PG AND RESEARCH DEPARTMENT OF ZOOLOGY JAMAL MOHAMED COLLEGE**

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(Affiliated to Bharathidasan University)  
Tiruchirappalli - 620 020, Tamil Nadu, India

**Registration: 9.00 AM**

**INAUGURATION: 9.30 AM**

**Welcome Address :** Dr. I. JOSEPH A. JERALD  
Head, Department of Zoology

**Presidential Address :** Dr. S. ISMAIL MOHIDEEN  
Principal

**Felicitations :** Dr. A. K. KHAJA NAZEEMUDEEN  
Secretary and Correspondent

Hajee M.J. JAMAL MOHAMED  
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Additional Vice Principal

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Director - Hostel Administration

Ms. J. Hajira Fathima  
Director - Women Hostel

Dr. P. GNANAGURU, M.D.  
Professor and Head, Department of Microbiology,  
Govt. Medical College, Tiruchirappalli-01

**Vote of Thanks :** Dr. M. Aneez Mohamed  
Associate Professor of Zoology

**TECHNICAL SESSIONS**

**11.00 AM :** Invited Lecture 1: **VACCINE, VACCINE TECHNOLOGY AND RECENT UPDATION**



**Dr. P. GNANAGURU M.D.**  
Professor and Head, Department of Microbiology,  
Govt. Medical College, Tiruchirappalli-01

**12.00 Noon :** Tea Break

**12.10 PM :** Invited Lecture 2: **COVID-19 : VACCINE STRATEGIES**



**Dr. P. RAMALINGAM**  
Senior Scientist, ICMR- National Institute for  
Research in Tuberculosis (NIRT),  
Chennai-31

**01.15 PM :** Lunch Break

**02.00 PM :** Invited Lecture 3: **ANTIDOTE FOR CANCER**



**Dr. M. RAM MOHAN**  
Director, Cheran Pharmacology College,  
Coimbatore-

**2.50 PM :** Tea Break

**3.00 PM:** ORAL AND POSTER PRESENTATIONS



**At the Inauguration.... Dr. P. GNANAGURU M. D.** Professor and Head, Department of Microbiology, Govt. Medical College, Tiruchirappalli-01 emphasizing the need for innovations in Vaccine Technology



**Dr. Mohamed Ibrahim,** Vice-Principal, Jamal Mohamed College honouring the Chief Guest **Dr. P. GNANAGURU M. D.** Professor and Head, Department of Microbiology, Govt. Medical College, Tiruchirappalli-01



Abstracts of CD being released at Inauguration



A portion of Audience



**Dr. I. JOSEPH A. JERALD**, Associate Professor and Head, Dept. of Zoology honouring the **Dr. M. RAM MOHAN** Director, Cheran Pharmacology College, Coimbatore and **Dr. P. RAMALINGAM**, Senior Scientist, ICMR- National Institute for Research in Tuberculosis (NIRT), Chennai-31



**Certificate and Prize distribution for Best Presentation: Dr. M. RAM MOHAN** Director, Cheran College of Pharmacy, Coimbatore and **Dr. P. RAMALINGAM**, Senior Scientist, ICMR- National Institute for Research in Tuberculosis (NIRT), Chennai-31 at the function.