

**D.K.M COLLEGE FOR WOMEN (AUTONOMOUS),  
Vellore-632001  
PG & RESEARCH DEPARTMENT OF CHEMISTRY**

**INTERNATIONAL CONFERENCE  
ON  
ADVANCES IN CHEMICAL AND BIOLOGICAL  
SCIENCES  
(ACBS-2022)  
(IN COMMEMORATION WITH  
GOLDEN JUBILEE CELEBRATIONS)  
10.06.2022**

# INVITATION



**D.K.M. COLLEGE FOR WOMEN**  
(AUTONOMOUS)

Vellore - 632 001.



In Commemoration with

**GOLDEN JUBILEE CELEBRATIONS**

**PG AND RESEARCH DEPARTMENT OF CHEMISTRY**

organises

**INTERNATIONAL CONFERENCE**

ON

**'ADVANCES IN CHEMICAL AND  
BIOLOGICAL SCIENCES (ACBS - 2022)'**

**10<sup>th</sup> June 2022 (Friday)**

VENUE : D- BLOCK CONFERENCE HALL

REGISTRATION : 9.00 am

INAUGURAL SESSION : 10.00 am - 11.30 am

PRAYER

WELCOME ADDRESS : **Dr. M.NAGARATHINAM, Ph.D.**,  
Head, Department of Chemistry

THEME OF THE CONFERENCE : **Dr. T.GOMATHI, Ph.D.**,  
Assistant Professor of Chemistry

PRESIDENTIAL ADDRESS : **Dr. P.N.SUDHA, Ph.D.**,  
Principal, D.K.M College for Women

FELICITATIONS : **Dr. T.SIVAKUMAR, M.A.**,  
President, D.K.M College for Women

: **Thiru. D.MANINATHAN, B.E.**,  
Secretary, D.K.M College for Women

INTRODUCTION OF THE  
CHIEF GUEST : **Dr. S.SANTHA LAKSHMI, Ph.D.**,  
Assistant Professor of Chemistry

KEY NOTE ADDRESS : **Dr. S.GANESH, Ph.D.**,  
Principal Scientist, Central Leather Research Institute  
Adyar, Chennai - 600 020, India.

TOPIC : "Supramolecular Gels and their applications :  
Significance of non-covalent interactions"

VOTE OF THANKS : **Dr. N.DHANAM, Ph.D.**,  
Assistant Professor of Chemistry

REFRESHMENT : 11.30 am - 11.45 am

- TECHNICAL SESSION - I : 11.45 am - 12.45 pm
- INTRODUCTION OF THE CHIEF GUEST : **Dr. S.SASHIKALA, Ph.D.**,  
Assistant Professor of Chemistry
- RESOURCE PERSON : **Dr. PRABHAKARN ARUNACHALAM, D.Sc., (JPN)**  
Assistant Professor,  
Chemistry Department, Science College,  
King Saud University, P.O. Box 2455,  
Riyadh-11451, Kingdom of Saudi Arabia.
- TOPIC : "Exploiting the Synergistic Catalytic Effects on Oxide based Semiconductors Photocatalyst for Efficient Solar Water Oxidation"
- VOTE OF THANKS : **Mrs. J.SARANYA, M.Sc., M.Phil.**,  
Assistant Professor of Chemistry
- LUNCH BREAK : 12.45 pm - 1.45 pm
- PAPER PRESENTATION : 1.45 pm - 3.00 pm
- TECHNICAL SESSION - II : 3.00 pm - 3.45 pm
- INTRODUCTION OF THE CHIEF GUEST : **Dr. R.ARUNADEVI, Ph.D.**,  
Assistant Professor of Chemistry
- RESOURCE PERSON : **Dr. J.VENKATESAN, Ph.D.**,  
Research Professor, Hanyang University ERICA,  
Seoul, South Korea &  
Assistant Professor, Yenepoya Research Centre,  
Yenepoya University, Karnataka, India.
- TOPIC : "Marine Biomaterials: Preparations and Applications"
- VOTE OF THANKS : **Dr. D.SHAKILA, Ph.D.**,  
Assistant Professor of Chemistry
- REFRESHMENT : 3.45 pm - 4.00 pm
- VALEDICTORY SESSION : 4.00 pm - 5.00 pm
- INTRODUCTION OF THE CHIEF GUEST : **Dr. T.GOMATHI, Ph.D.**,  
Assistant Professor of Chemistry
- VALEDICTORY ADDRESS : **Dr. J.ANNIE KAMALA FLORENCE, Ph.D.**,  
Vice Principal, Voorhees College, Vellore.
- VOTE OF THANKS : **Dr. S.SANTHA LAKSHMI, Ph.D.**,  
Assistant Professor of Chemistry

#### ORGANIZING COMMITTEE

- Chief Patron : **Thiru. D.Maninathan**, Secretary
- Patron : **Dr. T.Sivakumar**, President
- Chairperson : **Dr. P.N.Sudha**, Principal
- Convenor : **Dr. M.Nagarathinam**, HOD, Dept. of Chemistry
- Organising Secretaries : **Dr. S.Santha Lakshmi**, Assistant Professor  
**Dr. T.Gomathi**, Assistant Professor
- Treasurer : **Dr. S.Sashikala**, Assistant Professor
- Souvenir Committee : **Dr. N.Dhanam, Dr. R.Arunadevi,**  
**Mrs. J.Saranya, Dr. D.Shakila**

*All are Cordially Invited...*

**The Management, Principal, Staff and Students, PG and Research Department of Chemistry**

## REPORT

In commemoration with Golden Jubilee Celebrations, PG & Research Department of Chemistry organized the International Conference on “Advance In Chemical And Biological Sciences” on 10<sup>th</sup> June 2022 (Friday).

More than 300 delegates from various Institutions and companies registered to participate in the conference. The inaugural session was started with the prayer song by UG and PG Chemistry Students followed by lighting of the Kuthuvilaku by the dignitaries.

Dr. M. Nagarathinam, Head of the Department of Chemistry, delivered the welcome address, she expressed her sincere gratitude to the chief guests, Dr. S. Ganesh, Principal Scientist, Central Leather Research Institute, Adyar, Chennai-600 020, India, Dr. Prabhakarn Arubachalam, Assistant Professor, Chemistry Department, Science College, King Saud University, Riyadh-11451, Kingdom of Saudi Arabia, Dr. J. Venkatesan, Research Professor, Hanyang University ERICA, Seoul, South Korea & Assistant Professor, Yenepoya Research Centre, Yenepoya University, Karnataka, India, Dr. T. Sivakumar, President, Thiru.D.Maninathan, Secretary and Dr. P. N. Sudha, Principal, D.K.M College for Women (Autonomous), Vellore-1. and She also welcomed the gathering.

The presidential address was delivered by Dr.P.N Sudha, Principal, D.K.M College for Women (Autonomous), Vellore-1. Madam highlighted the importance of women empowerment, women noble laureates and also encouraged the students to take up research in future. She also appreciated the PG & research Department of Chemistry for conducting the International Conference in a short duration of time.

The theme of the conference was presented by Dr.T.Gomathi, Assistant Professor of Chemistry. She highlighted the importance of the emerging research in biological and chemical sciences. She also emphasize the importance of interdisciplinary research which allows the students to learn by creating connections between ideas and concepts from many disciplines such as Biological Sciences, Physical Sciences, Material Sciences and Engineering Sciences.

The souvenir was released by Dr. S. Ganesh, Principal Scientist and it was received by Dr.P.N. Sudha, Principal and all the faculty members. Dr. S. Santha Lakshmi, Assistant

Professor of Chemistry, introduced the chief guest Dr. S. Ganesh, Principal Scientist and talked about his achievements, awards and his area of research. Dr. S. Ganesh, Principal Scientist, delivered delightful lecture on “Supramolecular gels and their applications: significance of non-covalent interactions”. Dr. N. Dhanam, Assistant Professor of Chemistry proposed the Vote of Thanks.

In the first technical session, the chief guest Dr. Prabhakarn Arubachalam was welcomed and introduced by Dr. S. Sashikala, Assistant Professor of Chemistry. He delivered the keynote address on the topic “Exploiting the synergic catalytic Effects on oxide based semiconductors photocatalyst for Efficient Solar water Oxidation” through Google meet. He explained about the importance of the study of the photocatalyst on organic and inorganic reactions. He also discussed the conceptual way of designing, synthesizing of photocatalyst and its applications in various fields. Mrs. J. Saranya, Assistant Professor of Chemistry, proposed the vote of thanks to Dr. Prabhakarn Arubachalam, for his enthusiastic talk and motivations for the women students to become a researcher in industry and she also thanked the participants for their outstanding interactions.

In the second technical session, Dr. R. Arunadevi, Assistant Professor of Chemistry welcomed and introduced the Chief guest Dr. J. Venkatesan, Research Professor. The chief guest Dr. J. Venkatesan, delivered the keynote address on the topic “Marine biomaterials, preparation and applications” through Google meet. He explained about preparation and application of active biomaterials and its applications in pharmaceutical, environmental and industrial field. Dr. D. Shakila, Assistant Professor of Chemistry, proposed the vote of thanks.

Totally 50 abstracts were accepted to be published in the souvenir and the scholars were called upon to present their papers in the international conference for oral / poster. Posters were exhibited in PG chemistry lab and oral presentations were conducted in the conference hall. Dr. K. Geetha, Head & Assistant Professor of Chemistry, Muthurangam College for Arts, Vellore and Dr. J. Annie Kamala Florence, Vice-Principal, Head & Associate Professor of Chemistry, Voorhees College, Vellore acted as judge for the oral presentation.

Dr. M. Deepa, Assistant Professor of Chemistry, Muthurangam College for Arts, Vellore and Dr. M. Santhana Raj Prabhu, Assistant Professor of Chemistry, Muthurangam College for Arts, Vellore acted as judge for the poster presentation.

All the staff members made arrangements for the distribution of certificates and prize. In the valedictory session, Thiru.D.Maninathan, Secretary, Dr. P. N. Sudha, Principal and Dr. M. Nagarathinam distributed the prizes and certificates to the winners for poster and oral presentations. The feedback form was distributed to the students and outside participants. The participants mentioned that the invited lectures and the paper presentation were highly informative, for the students as well as for the researchers. They appreciated the hospitality and excellent arrangements made by the institution.

Finally the Vote of thanks was given by Dr. S. Santha Lakshmi, Assistant Professor of Chemistry. She thanked each and every one who had contributed to make the conference a grand success. She personally extended her thanks to the invited chief guests, judges, colleagues, audio-visual supporter, photographer, Professors from various Colleges and students for gracing the occasion for grand success. Finally the conference ended with the National Anthem.



**Release of Souvenir in International Conference on “Advance in Chemical and Biological Sciences” on 10.06.2022**

