

Conference Summary Report

1st International Conference on PURE AND APPLIED CHEMISTRY



(IconPAC-2019)

"Recent Advances in Chemical Sciences"

8th & 9th March, 2019

Sponsored by
DST-SERB



Organized by
Department of Chemistry



International Conference on PURE AND APPLIED CHEMISTRY (IconPAC-2019)



KONERU LAKSHMAIAH EDUCATION FOUNDATION
(Deemed to be University, Estd. u/s. 3 of UGC Act 1956)



The First International Conference on PURE AND APPLIED CHEMISTRY (*IconPAC-2019*) has concluded its work successfully on **March 8th-9th, 2019** in K L Deemed to be University, Andhra Pradesh, India.

The **IconPAC-2019** was organized by Department of Chemistry, K L Deemed to be University, Andhra Pradesh and technically sponsored by Department of Science and Technology (**DST**) and Science and Engineering Research Board (**SERB**) of India.

The Organizing Committee of IconPAC-2019, had adopted the theme “**Recent Advances in Chemical Sciences**” for the event. Objective of this conference was to bring together experts from academic institutions, Industries, Research organizations for sharing of knowledge and experience in the recent trends of Advances in chemical sciences.



The **IconPAC-2019** is a forum to bring together researchers, scientists, and industry professionals to discuss innovative ideas and diverse topics on next generation of chemical sciences and technologies. IconPAC-2019 was joined by hundreds of delegates from about 10 countries including **Japan, Malaysia, India, Indonesia, Bangladesh, Nigeria**, etc.

The conference program featured a wide variety of invited and contributed lectures from national and international speakers with expertise in the field of chemistry, as well as **oral and poster sessions**. IconPAC-2019 has become one of the most extensive, spectacular international event in the field of chemical sciences hosted by India for its high level and the large size of participation. **Two days Conference** was held on March 8th-9th, 2019 in K L Deemed to be University, Andhra Pradesh, India.

Hundreds of attendees, paper presenters, and students have benefited in many ways from this conference. Nearly **100 scientific papers** were presented by authors from around 10 countries. Four international and seven national invited speakers addressed to audience and shared knowledge and rich experiences on recent advances in chemical sciences in their respective universities and countries.



Conference Scope

IconPAC-2019 themes include, the following research and development areas (about 26 themes).

Major themes of IconPAC-2019:

1	Agricultural Chemistry	14	Environmental Chemistry
2	Analytical Chemistry	15	Food Chemistry
3	Bioinformatics	16	Forensic Science
4	Biophysical Chemistry	17	Green Chemistry
5	Chemical Biology	18	Industrial Chemistry
6	Chemical Education	19	Inorganic Chemistry
7	Chemical Engineering	20	Material Science and Nanotechnology
8	Chemical Physics	21	Medicinal Chemistry
9	Chemical Safety	22	Organic Chemistry
10	Cheminformatics and Bioinformatics	23	Petroleum Chemistry
11	Chemistry of Natural Products	24	Pharmaceutical Chemistry
12	Computational/Theoretical Chemistry	25	Physical Chemistry
13	Cosmetics Chemistry	26	Polymer Chemistry

Welcome and Opening Ceremony

The first day of conference started with Welcoming and Opening Ceremony at K L Deemed to be University. The following representatives of K L Deemed to be University (Hosting University) as well as the Chief Guest and the Guest of honor had addressed to delegates with short welcoming speeches.



Prof. R. R. L. Kantam
Registrar
K L Deemed to be University



Convener – IconPAC 2019
Dr. J. V. Shanmukha Kumar
HoD, Chemistry, K L E F



Chief Guest – IconPAC 2019
Dr. KATSURA Hidemitsu
ALBATROSS ALLIANCE Incorporated
Association, Japan



Guest of Honour – IconPAC 2019
Dr. Himanshu Agarwal
Director: Asian Publication Corporation
Executive Editor: Asian Journal of Chemistry



Dr. N. Venkatram, Principal, K L E F presenting Best Researcher Award

Invited Talks

Invited talks and technical sessions have been prepared in accordance with conference scope to discuss the challenges, opportunities and recent advances in chemical sciences. The conference had four (4) International speakers as well as eight (8) National speakers.



**Predatory Journals: Open access versus closed access journals!
What's your experience in accessing closed journals?**

Dr. Himanshu Agarwal

Director: Asian Publication Corporation

Executive Editor: Asian Journal of Chemistry, Ghaziabad, India

Guest of Honour – IconPAC 2019



Accounts of variations of stable isotope ratios on the earth

Dr. KATSURA Hidemitsu

ALBATROSS ALLIANCE Incorporated Association, Japan

Chief Guest – IconPAC 2019



Response of β -Lactam based PCMX analogues against periodontitis

Prof. Dr. Neeraj Kumar Fuloria

Pharmaceutical Chemistry

AIMST University, Malaysia



Nanoparticles, Biomedicine and Diabetes: A bird's-eye view

Dr Pasupuleti Visweswara Rao

Director (I/C), IFSSA

Universiti Malaysia Kelantan

Malaysia



Zirconia based nanocatalyst for biofuel preparation

Prof. Dr. Karna Wijaya

Physical Chemistry Laboratory

Faculty of Mathematics and Natural Sciences

Universitas Gadjah Mada, Indonesia



Alzheimer's Disease: Treatment Progress and Prospects

Dr. Ram Singh

Delhi Technological University,

New Delhi, India

Invited Talks



Advancement in Wound Care Systems: Ordinary to Smart

Dr. Saiqa Ikram

Department of Chemistry

Jamia Millia Islamia (Central University)

New Delhi



Metallo-Organic Complexes - Potential Precursors of Versatile Applications

Dr. Madhvesh Pathak

Vellore Institute of Technology (VIT)

Vellore, India



New bio-active molecules from indian flora (terrestrial, marine and lichens) and their therapeutic applications

Prof. K. Suresh Babu

Natural Products, Principal Scientist,

(IICT), Hyderabad, India

Semi-Empirical methods in Designing of new Compounds

Dr. Kishor Arora, Computational Chemistry, Government Postgraduate College, Datia, India

Recent trends in antiepileptic drug development

Prof. (Dr.) Praveen Kumar, Pharmaceutical Chemistry, Uttar Pradesh University of Medical Sciences, Etawah, India

Oral & Poster Sessions

Oral presentations were held parallel alongside Poster presentations on 8th and 9th March, 2019.



Oral & Poster Sessions

Nearly **25 papers** were presented in the form of oral lectures by selected delegates. The oral presentations were categorized into two sessions in the post lunch sessions of 8th and 9th March, 2019.



Nearly **75 papers** were presented in the form of posters by selected delegates. The poster presentations were categorized into three sessions during 8th and 9th March, 2019.



Valedictory

Selected presentations both Oral lectures as well as Posters were awarded under two categories:

1. Asian Journal of Chemistry

- ❖ Best Oral Presentation Awards (3)
- ❖ Best Poster Presentation Awards (3)

2. IconPAC-2019, K L Deemed to be University

- ❖ Special Oral Presentation Awards (3)
- ❖ Special Poster Presentation Awards (3)

Valedictory

Awards by Asian Journal of Chemistry

1. A. Best Oral Presentation Awards:



Insilico drug designing of novel BRAF^{V600E} inhibitors

Divya Pingili

Research Scholar, JNTUK, Kakinada
Andhra Pradesh, India.



Synthesis of acetate based ionic liquid for room temperature desulfurization of model diesel

Subhajit Kundu

Research Scholar
Department of Chemical Technology, University of Calcutta
Kolkata, West Bengal, India.



Docking analysis of novel P38 inhibitors

Archana Awasthi

Research scholar, Integral University,
Lucknow, U. P., India.

1. B. Best Poster Presentation Awards:



Design, synthesis and biological evaluation of novel azepino diindolone derivatives as potential DNA-intercalating antitumor agents

Manasa Kadagathur

Research Scholar, Department of Medicinal Chemistry
NIPER, Hyderabad, India



Dye adsorption studies using Aluminum based Metal Organic Framework

Kowsalya B.

Research Scholar, Department of Chemical Engineering,
BITS-Pilani, K K Birla Goa Campus, Goa, India.



Synthesis of gel polymer electrolyte with PEO/RbI/I₂ for DSSC applications

Narasimha Rao B.

Department of physics,
SVR Engineering college,
Nandyal, A.P., India

Valedictory

Awards by IconPAC-2019, K L E F

2. A. Special Oral Presentation Awards:



'Sultams' and 'Sultones' in Modern Chemistry Research

Dr. Shovan Mondal

Assistant Professor, Department of Chemistry, Syamsundar College
Shyamsundar, Purba Bardhaman,
West Bengal, India.



*Search for bioactive compounds from marine invertebrate *Isis hippuris**

Dr. Md. Helal Uddin

Department of Applied Chemistry and Chemical Engineering (ACCE)
Faculty of Science, University of Chittagong, Bangladesh



Nanocomposite Co-Polymeric Membranes and their applications in Improved Gas Separation

Dr. Mallikarjunagouda B. Patil

Post Graduate Department of Chemistry
Basaveshwar Science College, Bagalkot, India

2. B. Special Poster Presentation Awards:



Efficient treatment of contaminated water using novel hollow fibers fabricated from polymer nanocomposites

Subhakaran Singh Rajaputra

Research Scholar, Centre for Advanced Energy Studies (CAES)
K L Deemed to be University
Guntur Dist., A. P., India



Production and comparative study of extracted natural bio-emulsifier utilizing waste lubricating oil with that of commercial emulsifiers

Debkrishna Dey

Research Scholar, Rajabazar Science College
University of Calcutta, Kolkata, India.



Chemical stabilization of cobalt nanofluids in glycerol water basefluid mixture and their thermophysical properties

Rajendra Prasad T.

Research Scholar, JNTUH, Hyderabad
Telangana, India

Acknowledgements

The Convener of the IconPAC – 2019, Dr. J. V. Shanmukha Kumar, HoD, Chemistry, K L E F, expressed deep gratitude on behalf of organizing Committee to the administration of **K L Deemed to be University** for hosting such a spectacular event. The Convener, expressed deep gratitude on behalf of organizing Committee to the sponsors of the event, **DST** and **SERB India** for their extensive help.

Special thanks were extended to the **Faculty of Chemistry Department, K L E F**, who worked all together and extremely hard to prepare an outstanding conference.

Finally, tender thanks were expressed to the **Research Scholars of Chemistry Department, K L E F**, who did impressive and dedicated work.

Closing Ceremony

IconPAC -2019 Closing Ceremony was held in **K L Deemed to be University**

(Abridged version of a Closing address by Convener)

Ladies and gentlemen,

The **1st International Conference on "PURE AND APPLIED CHEMISTRY"(IconPAC-2019)** is now drawing to a close. I would like to take this opportunity to extend our sincere gratitude and appreciation to all of you, for your invaluable contributions in making this event a great success.

We hope the past two days have been fruitful and that you will be able to make the most from the sessions you attended. Through a wide range of **invited talks, oral and poster sessions and discussions**, we have been presented several recent advances in chemical sciences. We hope that you shared your experiences and expertise with other participants from near and far, and that a cordial relationship established among us during the IconPAC - 2019 Conference will further strengthen.....

But, of course, the real measure of this conference success lies in how it will affect you - our delegates, or more precisely, how it will affect the actions you will take after you leave **K L Deemed to be University**. We look forward to further building partnerships with you and your organizations. I hope that all of us will continue what we have started here these days.

Before I conclude, I would like to invite all of you for the forthcoming 2nd IconPAC - 2020 Conference, the location of which will be announced later.

Thank you for being here in K L Deemed to be University with us and have a safe journey home.

Dr. J. V. Shanmukha Kumar

HoD, Chemistry, K L E F

Convener – IconPAC 2019