

24<sup>th</sup> International Symposium on

# SURFACTANTS IN SOLUTION

June 16–21, 2024, Goa, India



“We look forward to welcome you in India in 2024”

“Jointly organised by”



**BITS Pilani**  
K K Birla Goa Campus



In association with the Society for Industrial Chemistry &  
the Indian Society for Surface Science and Technology

## About SIS

The “Surfactants in Solution” symposium series was initiated in 1976, when it was first held in Albany, New York, under the chairmanship of Dr. Kash Mittal. Two more meetings were held in the USA (Knoxville and Potsdam) before the symposium became truly international: Lund (1982), Bordeaux (1984), New Delhi (1986), Ottawa (1988), Gainesville (1990), Varna (1992), Caracas (1994), Jerusalem (1996), Stockholm (1998), Gainesville (2000), Barcelona (2002), Fortaleza (2004), Seoul (2006), Berlin (2008), Melbourne (2010), Edmonton (2012), Coimbra (2014), Jinan (2016), Norman (2018) and Lublin (2022). These symposia allow academicians and scientists from Industry to present their work in basic aspects of surfactants and interfacial science and also meet people and network with their peers working in these all important areas. The next edition of the conference will be held at the Goa Campus of Birla Institute of Technology & Science (BITS) Pilani.

## Scope of the Symposium

SIS 2024 will cover developments in all areas of surfactants in solution including, but not limited to:

1. Thermodynamics, modelling, simulation and theory of surfactants-based systems
2. Surfactants adsorption at interfaces and pseudo-phase formation
3. Mixed surfactant systems, surfactants in separation processes
4. Kinetics of surfactant-based systems
5. Bioderived, bioinspired and gemini surfactants, sustainability in surfactants
6. Polymeric and polymerizable surfactants
7. Surfactants in applications
8. Surfactants wetting, spreading and capillary phenomena
9. Monolayers and Langmuir-Blodgett films
10. Surfactants – experimental methods, techniques and approaches
11. Surfactants in tribology
12. Adsorption layer dynamics at interfaces
13. General/other topics
14. Young Scientists' Forum

## Birla Institute of Technology and Science (BITS) Pilani

Birla Institute of Technology & Science, Pilani was declared as an Institution Deemed to be a University under section 3 of the UGC Act in the year 1964, one of the earliest to be so recognized. Ever since, in keeping with its tradition, the mandate given by its Founding Chairman, and with its status as an Institution Deemed to be a University, BITS Pilani has pioneered a number of visionary initiatives in higher education, and has established an impeccable and formidable reputation nationally for excellence. As an integral part of its mission of providing education of the highest quality to greater number of aspiring students, BITS Pilani established full-fledged campuses in Dubai (2000), Goa (2004) and Hyderabad (2008). BITS Pilani offers UG, PG and PhD programs to over 17,000 students across its 5 campuses in Pilani, Goa, Hyderabad, Mumbai and Dubai. Birla Institute of Technology & Science, Pilani (BITS Pilani) has been consistently ranked high, by both governmental and private ranking agencies for its innovative processes and capabilities that have enabled it to impart quality education and emerge as the best private science and engineering Institute in India. In recognition of the high standard that BITS Pilani strives to uphold, the University Grant Commission, in 2018, has declared it as an "Institute of Eminence" (IOE).



## Indian Institute of Science Education and Research (IISER) Pune

The Indian Institute of Science Education and Research (IISER) Pune is a premier Institute dedicated to research and teaching in the basic sciences. It was established in 2006 by the Ministry of Human Resource Development (renamed Ministry of Education in August 2020). In 2012, IISER Pune was declared as an Institute of National Importance by an Act of Parliament. As a unique initiative in Science education in India, IISER aims to be a Science University of the highest caliber devoted to both teaching and research in a totally integrated manner, with state-of-the-art research and high quality education, thus nurturing both curiosity and creativity. IISER Pune runs a 5-year integrated Master's programme, which is the BS-MS programme, and a post-Master's



PhD programme, in an intellectually vibrant atmosphere of research. Apart from classroom instruction, IISER Pune builds student skills in areas such as scientific inquiry, problem solving, communication skills, computational sciences, electronics and instrumentation and workshop practices. In the advanced teaching and research labs of the institute, students have the opportunity to pursue experiments as well as advanced research under the mentorship of world-class faculty. Eventually, this should make education and careers in basic sciences more exciting and rewarding. IISER Pune is dedicated to learn, teach and serve society through excellence in education, research and public service, to create a learning and working environment based on integrity, fairness, dignity and professionalism, to provide equal opportunities for all and to develop and encourage a sense of environmental responsibility.

## Institute of Chemical Technology (ICT) Mumbai

Established on October 1, 1933 as University Department of Chemical Technology (popularly called UDCT) of the University of Bombay (now Mumbai), with the noble intention of advancing India's knowledge reserves in Chemical Science and Technology, the Institute has grown to become a premier (deemed) university devoted to Education, Training, Research and Industrial collaboration in Chemical Engineering, Chemical Technology, Applied Chemistry, Pharmacy, Biotechnology and Bio-Processing. The then UDCT grew in stature over the years and was converted into a Deemed-to-be-University by the Ministry of Human Resource Development (MHRD), Govt. of India, on 12 September 2008. The ICT runs nine undergraduate programmes all connected to chemical and allied industries on its main campus along with twenty one different postgraduate programmes and thirty doctoral programmes. It has almost equal numbers of undergraduate and postgraduate and doctoral students. Besides the main campus at Matunga, Mumbai, it has additional campuses at Jalna, Marathwada and Bhubaneswar with support from Indian Oil Corporation. These campuses have five year integrated master's programmes with a major and minor degrees in Chemical Engineering and Chemical Technology. While maintaining a high publishing record in international journals, it maintains close linkages with the industry too.



## About Goa (SIS 2024 destination)

Goa is situated on the west coast of India and is one of the most beautiful states of India. It was formerly a Portuguese colony and is a unique cultural blend of the east and west. Goa is located adjacent to the North Western Ghats rainforests, one of the rare biodiversity hotspots of the world. The wildlife sanctuaries offer exposure to the diverse flora and fauna in the state. Goa is endowed with a variety of attractions including white sand beaches, lush green countryside, churches, temples, forts and monuments. Goa is a treasure trove of culture, music, dances and art forms that can be enjoyed during local festivals and celebrations. It is often said that 'Goa never stops partying' and is known for its vibrant night life. With its tropical climate, Goa is a perfect tourist destination for all seasons. With its pristine natural beauty, exquisite culture and rich history, the state is able to attract a large number of tourists from India and across the globe. This symposium will not only provide participants with a platform for intellectual exchange but also offer attendees a unique opportunity to delve into the captivating beauty of the state.



## About India (SIS 2024 destination)

India is one of the oldest civilizations in the world with a rich cultural heritage. It covers an area of 32, 87,263 sq. km, extending from the snow-covered Himalayan heights to the tropical rain forests of the south. As the 7th largest country in the world, India stands apart from the rest of Asia, marked off as it is by mountains and the sea, which give the country a distinct geographical entity. Bounded by the Great Himalayas in the north, it stretches southwards and at the Tropic of Cancer tapers off into the Indian Ocean between the Bay of Bengal on the east and the Arabian Sea on the west. As you travel, India offers a range of vast tourism choices, diverse in land and nature, people, tribes, cuisine, faiths, dance forms, music, arts, crafts, adventure, sport, spirituality, history; even these vary as you journey from one state to another.



For more information, visit [www.surfinsol.org](http://www.surfinsol.org)  
For further queries, write to: [sis2024@goa.bits-pilani.ac.in](mailto:sis2024@goa.bits-pilani.ac.in)

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### 2. Patron

Prof. Suman Kundu  
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