



**BITS Pilani**  
Pilani | Goa | Hyderabad

**INTERNATIONAL CONFERENCE  
ON**

**AGGREGATION-INDUCED EMISSION  
FROM FUNDAMENTAL TO APPLICATIONS**

**IC-AIE-FA 2022**

December **16-18**, 2022

AT

**BITS Pilani KK Birla Goa Campus, INDIA**

**&**

**ONLINE**

**Organized by  
Departments of Chemistry  
BITS Pilani**





# IC-AIE-FA 2022



**BITS Pilani**  
Pursuing the Frontiers of Knowledge

## Welcome note from the organizers

On behalf of the organizing committee, we cordially invite you to the 1<sup>st</sup> International Conference on Aggregation – Induced Emission: From Fundamental to Applications (IC-AIE-FA-2022), which will be held on December 16<sup>th</sup> – 18<sup>th</sup>, 2022 in the Department of Chemistry at BITS Pilani KK Birla Goa Campus.

Since the inception of the Aggregation–Induced Emission (AIE) concept in 2001, rapid growth and tremendous contribution to the multidisciplinary research fields have been witnessed with the continuous innovation and rapid development of chemistry, biology, materials, and imaging and diagnostics. Currently, more than 4000 research groups around the world have contributed to the AIE research. We felt it is a great opportunity and suitable time to host the FIRST AIE conference in INDIA. This conference aims to enhance the exchange of knowledge for the advancement of scientific activity in the AIE and its related research areas. The three days conference will bring together a panel of highly-accomplished experts across the globe in the field of the aggregation–Induced Emission and allied areas on photoluminescence.

Your participation in the conference is essential to the success of the event. We eagerly await your participation.

## Goal of the conference

The conference is aimed to cover the contemporary research on Aggregation-Induced Emission in its various sub-areas and allied branches of science such as chemical biology, material science, environmental science, etc. so as to provide a common platform for the exchange of most recent discoveries and developments leading to strengthening the fundamentals and finding applications for the progress of the society.

The primary objective of the conference is to assemble young researchers of various sub-disciplines and interface at a single platform to exchange views and to take up challenging topics with an aim of practical applications for the benefit of mankind. During the conference, there will be Plenary/Keynote/Invited lectures of eminent scientists and also Oral presentations by young researchers. In addition, poster sessions will give ample opportunity to Research Scholars for the presentation of their recent results. There will be ORAL/POSTER competitions to recognize salient research contributions from Research Scholars in the field of AIE. Selected posters of Research Scholars will be chosen for Flash Presentation followed by **Best Poster Awards** to appreciate their achievements.

**HYBRID EVENT:** You can participate in person at BITS Pilani KK Birla Goa Campus, INDIA or **Virtually** from your home or work.

**Website:** <https://www.bits-goa.ac.in/ICAIEFA2022/index.html>

**Contact details: email:** [icaiefa2022@goa.bits-pilani.ac.in](mailto:icaiefa2022@goa.bits-pilani.ac.in); **91 8322580 320/347**



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## Thrust Areas

The conference will focus on (but is not limited to) the following key topics

- AIE-based molecules in chemical sensing
- AIEgens in bioimaging, theranostic and biomedical applications
- Use of AIEgens as biosensor
- AIE mechanism its theoretical insights
- AIE-based polymers, oligomers, and their applications
- AIEgens in optoelectronics and energy applications
- Use of AIEgens in pharmaceuticals, agrochemicals and food chemistry
- Molecules with Aggregation induced enhanced emission (AIEE) properties and their applications
- ☐ The allied areas like small-molecule chemosensors/chemodosimeters, material-based fluorimetric sensors, supramolecular sensing, bioimaging etc. will also be within the scope of the conference.

## Reason to PARTICIPATE

- ❖ Meet Experts
- ❖ Gain Knowledge
- ❖ Present your work and ideas
- ❖ Be Inspired
- ❖ WIN awards
- ❖ Establish New Collaborations
- ❖ Travel around, and Have fun!

## Important Dates

- **Deadline for Abstract Submission: 15<sup>th</sup> October 2022**
- **Early-bird Registration: 31<sup>st</sup> October 2022**
- **Last date of registration: 30<sup>th</sup> November 2022**
- **Conference date: 16<sup>th</sup> -18<sup>th</sup> December 2022**

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## About the University

The Birla Institute of Technology & Science, Pilani, a Deemed to be University with more than 17,000 students across its four campuses in Pilani, Goa, Hyderabad and Dubai, is a well-known Institute for higher education in engineering and sciences, and research. Ranked among the top few Indian universities it has been recognized as an Institute of Eminence by MHRD, Govt. of India. BITS, Pilani is India's highest-ranked non-Government Institute as declared in QS Asia 2020 and QS India 2020. Globally it is within 501-550 in Chemistry. The qualities of research and innovation, enterprise, and transparency have characterized the Institute towards its ceaseless march to eminence. With Government funded as well as self-sponsored State of the art facilities to support R&D activities, several hundreds of faculty and many enthusiastic research scholars are engaged in cutting-edge research leading to more than 11,700 Scopus indexed publications with over 1,25,000 citations and 85+ patents being filed till date. The physical location of the conference is KK Birla Goa Campus.



Pilani Campus



K. K. Birla, Goa Campus



Hyderabad Campus

## The Physical Location: KK Birla Goa Campus

BITS, Pilani- K. K. Birla Goa Campus is one of the four campuses of BITS, Pilani. The host institute is located in the beach-land, Goa. The Goa Campus was commissioned in August 2004. Nesting in the lap of verdant hills, overlooking the Zuari River, the Campus is spread over an area of 180 acres. The location of the campus is unique in the respect of scenic beauty and panoramic view of picturesque surroundings encompassing the Zuari River, hillocks, waterways, forests, and landscape. Being fully residential, the university hosts 4.0 K students and 0.6 K faculty and staff in the campus.



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# IC-AIE-FA 2022



**BITS Pilani**  
PILANI GOA HYDERABAD

## About the Departments

The department of chemistry of the Pilani campus was established way back in 1964 and Goa and Hyderabad were established in 2004 and 2008, respectively. The departments in all three campuses are well known nationally and internationally for their excellence in both academic and research activities. Departments are equipped with state-of-the-art instrumentation facilities and research laboratories. The departments are recipients of several grants from national agencies (such as DST, DBT, CSIR, DRDO, BRNS) and international agencies (e.g., The Royal Academy of Engineering). The faculty members across the departments are also engaged in various national and international collaborations. Department of Chemistry, Goa Campus with 20 highly motivated faculty members is actively involved in academic developments and research in conventional as well as emerging areas of chemistry and allied subjects.



## About the Venue

Birla Institute of Technology and Science, Pilani, K.K. Birla Goa Campus, Goa, with an auditorium of >2000 capacity, mini-auditoriums, several lecture halls, and good Wi-Fi connectivity, is well-equipped to host multiple scientific events at a time. The high-speed Cisco telepresence facility allows hosting webinar/online conferences with ease. The virtual mode will be hosted using this facility. The campus has a Guest House with all amenities for the accommodation of eminent Guest Speakers.



## How to Reach the Venue

There are direct flights from/to all metro cities like Mumbai, New Delhi, Bangalore, Chennai, Kolkata, Hyderabad with connectivity to all major cities in the country. For international travelers, there is a direct flight from/to Doha operated by Qatar Airways which connects every major cities in the World. Getting to BITS Pilani, K.K. Birla Goa Campus from the airport takes only 5 minutes in a taxi which is easily available at the airport. For those commuting from the nearby railway stations Madgaon or Vasco-da-Gama to the venue, rented cars or buses are available.

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# IC-AIE-FA 2022



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## About the Place

Goa is a well-known and popular hotspot on the tourist map of India and the world. The name immediately brings to one's mind the lush green meadows, hills and valleys, the sea, and its attractive beaches. This charm and beauty set the right ambiance for BITS Pilani, K K Birla Goa Campus. Most of the tourist spots like popular beaches (Calangute, Baga, Colva, Palolem), Temples, Churches, and Hill-Stations are reachable within 1-2 hrs (or less) by cab or local bus. BITS Pilani, K K Birla Goa Campus, is about 10 km south of Vasco-da-Gama, 20 km north of Margao, and 7 km east of Goa Airport, along National Highway - 17B, Bypass road.



**Basilica of Bom Jesus**  
(world heritage)



**Big-foot museum**



**Doodhsagar falls**



**Caves**



**Water-sports**

## Half-day/Full-day Sight Seeing from BITS

### Things to Explore in North Goa

- Aguada Fort, Reis Magos Fort, Chapora Fort
- Calangute Beach, Baga Beach, Vagator Beach, Anjuna Beach
- Panaji City, Sunset Cruise
- Basilica of Bom Jesus, Shri Mahalasa Temple, Immaculate Conception Church

### Things to Explore in South Goa

- Dona Paula, Old Goa Church
- Colva Beach, Majorda Beach, Bogmalo Beach
- Shantadurga temple, Mangueshi temple, Spice farm,
- Big Foot Museum, Archaeological Museum



In addition, places like **Agonda**, **Palolem** beach towards the extreme south and the beautiful **Doodhsagar** falls towards the north are among other most attractive tourist spots, which are within 2 h drive from the venue. The organizers will be more than happy to help the participants in case of any query related to sightseeing. **Help Booth** will be available from the organizers' side for car rentals.

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# IC-AIE-FA 2022



**BITS Pilani**  
PILANI GOA CAMPUS

## Scientific Advisory



**Prof. Ben Z Tang**  
*Chinese University of Hong Kong  
Shenzhen*



**Prof. Bin Liu**  
*Professor,  
National University of  
Singapore*



**Prof. Anjun Qin**  
*South China  
University of Technology*



**Prof. Youhong Tang**  
*Flinders University, Australia*



**Prof. Samuel W. Thomas**  
*Tufts University, MA, US*



**Prof. Thomas Baumgartner**  
*York University, Canada*



**Prof. Andrea Pucci**  
*University of Pisa, Italy*



**Prof. Sheshanath V. Bhosale**  
*Goa University, India*



**Prof. Vandana Bhalla**  
*GNU, India*



**Prof. Amitava Das**  
*IISER Kolkata, India*



**Prof. Uday Maitra**  
*IISc, Bangalore, India*



**Prof. Kazuo Tanaka**  
*Kyoto University, Japan*



**Prof. Parameswar K. Iyer**  
*IIT Guwahati, India*



**Prof. A. C. Bhasikuttan**  
*BARC, India*



**Prof. D. Ramiah**  
*BITS Hyderabad India*



**Prof. Santanu Bhattacharya**  
*IISc, Bangalore, India*



**Prof. Dilip K. Maiti**  
*University of Calcutta, India*



**Prof. Pradyut Ghosh**  
*IACS, Kolkata India*



**Prof. Samit Chattopadhyay**  
*BITS GOA, India*



**Dr. Bhanu Manjunath**  
*Syngenta Biosciences PVT  
LTD, India*



**Prof. Pedro Alemany Cahne**  
*University of Barcelona, Spain*

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# IC-AIE-FA 2022



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**Organizers**

## Chief Patron



**Prof. Souvik Bhattacharya**  
Vice-Chancellor

## Patrons



**Prof. Sudhir K. Barai**  
Director  
Pilani Campus



**Prof. Suman Kundu**  
Director  
KK Birla Goa Campus



**Prof. G. Sundar**  
Director  
Hyderabad Campus



**Prof. Srinivasan Madapusi**  
Director  
Dubai Campus

## Chairs



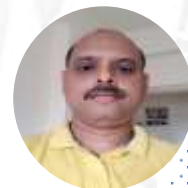
**Prof. Amrita Chatterjee**  
Dept. of Chemistry  
KK Birla Goa Campus



**Prof. Mainak Banerjee**  
Dept. of Chemistry  
KK Birla Goa Campus



**Prof. Inamur Rahaman Laskar**  
Dept. of Chemistry  
Pilani Campus



**Prof. Manab Chakravarty**  
Dept. of Chemistry  
Hyderabad Campus

## Secretary



**Dr. Subhasish Roy**  
Department of Chemistry  
KK Birla Goa Campus

## Treasurer



**Dr. Sudipta Chatterjee**  
Department of Chemistry  
KK Birla Goa Campus

## Organizing Committee Core Members

**Prof. Halan Prakash, Prof. Anjan Chattopadhyay, Dr. Tincy Liz Thomas, Dr. Woormileela Sinha, Prof. Nitin Sharma, Dr. Saurav Bhattacharya, Dr. Uttara Basu (KK Birla Goa Campus) Prof. Amit Nag, Prof. Jayanty Subbalakshmi, Dr. Nilanjan Dey (Hyderabad campus) Dr. Avik Pati (Pilani Campus)**

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# IC-AIE-FA 2022

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PILANI GOA BANGALORE

## Key speakers



Prof. Ben Z Tang  
*Chinese University of  
Hong Kong Shenzhen*



Prof. Bin Liu  
*National University of  
Singapore*



Prof. Anjun Qin  
*South China University  
of Technology*



Prof. Youhong Tang  
*Flinders University, Australia*



Prof. Andrea Pucci  
*University of Pisa, Italy*



Prof. Thomas Baumgartner  
*York University, Canada*



Prof. Kazuo Tanaka  
*Kyoto University, Japan*



Prof. Samuel W. Thomas  
*Tufts University, MA, US*



Prof. Amitava Das  
*IISER Kolkata, India*



Prof. Sheshanath V. Bhosale  
*Goa University, India*



Prof. Vandana Bhalla  
*GNDU, India*



Prof. A. C. Bhasikuttan  
*BARC, India*



Prof. Dilip K. Maiti  
*University of Calcutta, India*



Prof. Prabhat K. Singh  
*BARC, India*



Prof. Abhijit Patra  
*IISER Bhopal, India*



Prof. Pradipta Purkayastha  
*IISER Kolkata, India*



Prof. Rajneesh Mishra  
*IIT Indore, India*



Prof. Rajeev Gupta  
*University of Delhi, India*



Prof. Satish Patil  
*IISc Bangalore, India*



Prof. Atul Goel  
*CDRI Lucknow, India*



Prof. Apurba L. Koner  
*IISER Bhopal, India*



Prof. Dokyoung Kim  
*Kyung Hee University, Korea*

This **Three-Days** conference will feature Plenary Talks (40+10 min, 3 no.), Key-note talks (30+5 min), invited talks (20+5 min) by eminent speakers, ORAL presentations (12+3 min) by young researchers, and several **FLASH** presentations by research scholars.

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# IC-AIE-FA 2022



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## How to Register

In order to register for IC-AIE-FA 2022, please complete the online form available on: <https://www.bits-goa.ac.in/ICAIEFA2022/registration.html>

## Participation Fee

Participants	Early bird registration	Regular registration	Online
Graduate students & Postdoc fellows	₹ 4000 \$150 (International)	₹ 5000 \$200 (International)	₹ 1500 \$50
Academic professionals	₹ 6000 \$ 250 (International)	₹ 7500 \$ 300 (International)	₹3000 \$150 (International)
Industry Professionals	₹ 10000 \$500	₹ 12000 \$600	₹6000 \$250
Accompanying persons	₹ 3500 \$150	₹ 5000 \$200	--

20% extra of regular registration fee will be charged for late or spot registration

- ❖ Please note that registration gives you the opportunity to participate to ICAIEFA2022 BUT does not guarantee a poster/ORAL presentation slot. If you want to participate as a presenter of Poster/Oral, you are requested to wait for approval mail from the organizer of your abstract for Poster/Oral.

## Registration Includes

### For In-person Participants:

- ◆ Access to all conference session
- ◆ Conference Kit
- ◆ All working Lunch, refreshments
- ◆ Certificate accreditation from the Organizing committee

### For Virtual Participants:

- ◆ Access to all presentation
- ◆ E-Abstract Book and Program
- ◆ Certificate accreditation for presentation and Participation from the Organizing committee

For accompanying person: access to all sessions and conference lunch, snacks etc. **NO registration kit.**

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## Cancellation & Refund Policies

Organizers of IC-AIE-FA 2022 hope everyone who registers for the conference will be able to attend; however, under extenuating circumstances, the cancellation and refund policies are as follows:

1. Conference registration canceled by dropping e-mail request to [icaiefa@goa.bits-pilani.ac.in](mailto:icaiefa@goa.bits-pilani.ac.in) on or before December 1, 2022 is entitled for 50% of refund of the registration fee. However, such requests will be processed only after the conference gets over.
2. Registration cancellation request after December 1, 2022 will not be considered and the participant will not receive any refund as per the cancellation policy.

## Abstract Submission

You are cordially invited to submit the abstract *online*

Link: <https://www.bits-goa.ac.in/ICAIEFA2022/abstractSubmission.html>

## Format for Abstract:

TITLE (14PT BOLD, CENTERED)

Presenting author (underlined), other author (s), senior author\* (12 pt normal)

Department name, institute name and address, email addresses (12 pt, italics).

The one-page abstract should be created using MS Word. Times New Roman 10 pt, normal font, line space:1.15. Use A4 size with margins - top / bottom : 1inch; left / right: 1.25 inches.

References should be cited in parentheses e. g. Chatterjee et al [1] in the text. References should be typed in 9 point, normal font and single space. Max. four references.

The entire abstract including text, figures, equations, structures, schemes and references must be sent as a [authorname.doc] title.

**Abstract submission link:** <https://www.bits-goa.ac.in/ICAIEFA2022/abstractSubmission.html>

**Query regarding Abstract submission:**

**Contact us: [icaiefa2022@goa.bits-pilani.ac.in](mailto:icaiefa2022@goa.bits-pilani.ac.in)**

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