

Theme

“Enlightening the Advancements in the fields of Polymer Science and Chemistry and Nanotechnology”.

? WHO SHOULD ATTEND

Polymer Chemists, Polymer Scientists, Academicians, Polymer Analysts, Scholars, Graduate & Postgraduates in Polymer Science, Chemists, Materials Scientists, Nanotechnologists, Distributors and Suppliers of Polymer Industries, Directors of Chemical and Pharmaceutical Companies, Managers, Chemical Professionals, Faculty of Polymer Science and Polymer Chemistry from all Colleges and Universities, Researchers from Plastic Manufacturing Companies, Listeners and Students.

VIRTUAL CONGRESS

Global Conference on Advances in Polymer Science and Nanotechnology

May 27-28, 2021

Adv. Polymers 2021

2

DAYS WITH MORE THAN 45 SESSIONS, KEYNOTES & TALKS

12+

INNOVATIVE FEATURED SPEAKERS

20+

HOURS OF NETWORKING EVENTS

60+

INTERNATIONAL SPEAKERS

125+

EDUCATIONAL SESSIONS

BENEFITS OF ATTENDING A VIRTUAL CONFERENCE

- **COST EFFECTIVE:** Saving precious time and money. Virtual events are much cheaper to attend
- **CONVINIENT:** Virtual events allow you to attend from the comfort and safety of your home or office
- **EASY NETWORKING:** Attendees have access to fellow attendees directly. Networking is more open than an in-person conference inside a virtual event
- Get your Certificate of Recognition after the conference
- Get you abstract published in International Journal
- Conference sessions will also be available in your time zone
- No flight delays, passport control or immigrations or customs
- With a virtual event you can access more content relevant to your subject, more material, and get connected to larger and more global audience without impacting the environment
- Virtual meetings allow a wide range of data to be shared with all participants in real time
- Virtual events are safe and healthy during these challenging times (Due to COVID-19 pandemic)

PRESENTATION FORUM

KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

STUDENT FORUM

POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

NO SECRET IS SAFE SHARE YOUR RESEARCH

<https://polymerscience.peersalleyconferences.com/>

TIME TO
CONNECT
WITH YOUR
PEERS



Register & Participate

in

ADV. POLYMERS

2021

TYPES OF
ACADEMIC
REGISTRATIONS

**SPEAKER
REGISTRATION**

DELEGATE REGISTRATION



EDUCATIONAL WORKSHOPS/ RESEARCH WORKSHOPS/CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

HIGHLIGHTS OF THE DAY SESSIONS

“Highlights of the Day Sessions” is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

SCIENTIFIC TRACKS/ SESSIONS

Polymer Chemistry | Polymeric Materials | Biopolymers | Polymer Engineering | Polymer Physics | Polymer Nanotechnology | Polymer Rheology | Polymer Synthesis and Polymerization | Polymer Degradation and Stabilization | Polymer Science and Applications | Polymers in Industries | Polymers for Drug Delivery | Polymers for Emerging Tehnologies | Advanced Polymers | Recent Advances in Polymer Chemistry | Polymer Recycling | Polymer Manufacture | Waste Management of Polymers | Polymer 3D Printing | Polymers In Everyday Life | Polymer Marketing

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TYPES OF BUSINESS REGISTRATIONS

SPEAKER REGISTRATION

DELEGATE REGISTRATION

TYPES OF STUDENT REGISTRATIONS

REGISTRATION

YIF

POSTERS

TYPES OF ADDITIONAL REGISTRATIONS

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups



Program-At-A-Glance

THURSDAY, MAY 27, 2021

POLYMER CHEMISTRY

- Novel synthetic and polymerization methods
- Hydrogen bonding and the phase behavior of polymer blends
- Supramolecular polymers
- Reactions and chemistry of polymers
- Reactions and chemistry of polymers

POLYMERIC MATERIALS

- Polymers
- Rubbers
- Toughening
- Structures
- Interface
- Interphase

BIOPOLYMERS

- Applications of biopolymers
- Different classes of biopolymers
- Sources and preparation of biopolymers
- Different characterization techniques
- Frequently studied biopolymers

POLYMER ENGINEERING

- Design of materials
- Plastic material

GROUP PHOTO

COFFEE BREAK

POLYMER PHYSICS

- Ideal chain model
- Real chain model

POLYMER NANOTECHNOLOGY

- Tissue engineering
- Polymer nanocomposites matrices
- Polycondensation polymerization
- Nano electronics & photonics
- Polymer films
- Bio-hybrid polymer nanofiber
- Block copolymer nanocomposites
- Higher-order polymer structures

POLYMER RHEOLOGY

- Rheometer
- Viscometer
- Flow curve
- Shear-thinning
- Generalized Newtonian fluids
- Limiting low shear viscosity
- Normal stress differences
- Analogy between continuous and oscillatory shear
- Time-temperature-pressure superposition
- Liquid failure

POLYMER SYNTHESIS AND POLYMERIZATION

- Low-density polyethylene (LDPE)
- High-density polyethylene (HDPE)
- Polypropylene (PP)
- Polyvinyl chloride (PVC)
- Polystyrene (PS)
- Thermoplastic polyurethanes (TPU)

LUNCH BREAK

POLYMER DEGRADATION AND STABILIZATION

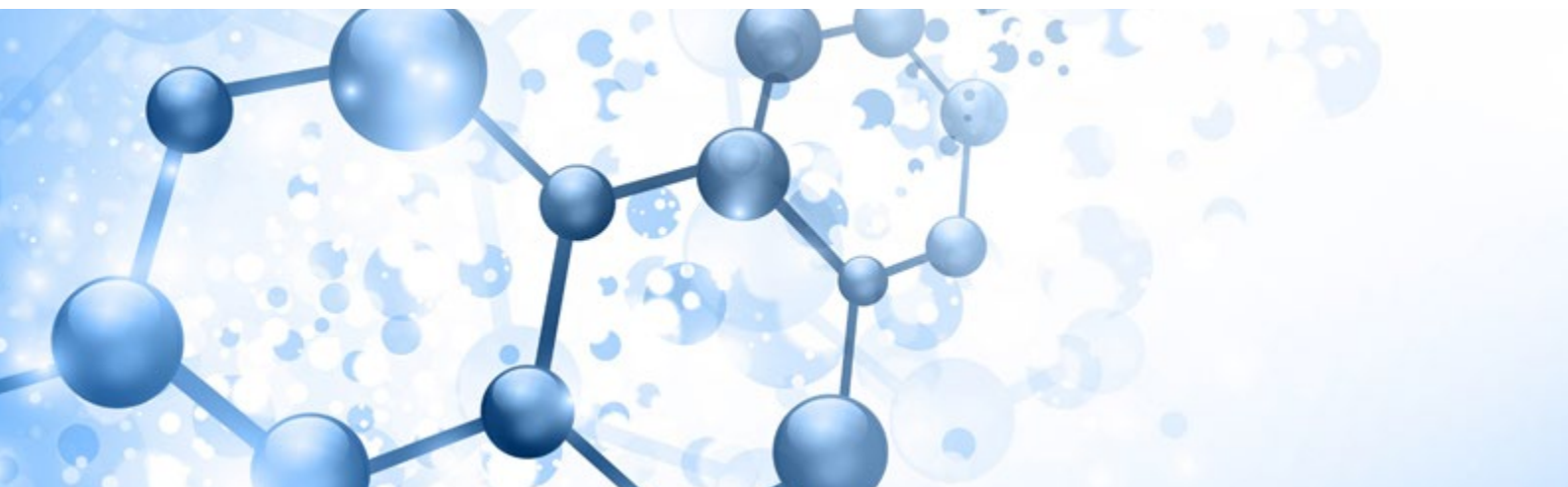
- Photodegradable plastics
- Combustion studies
- Polymer photochemistry

POLYMER SCIENCE AND APPLICATIONS

- Electronics
- Optics
- Biomedical Applications-Regenerative Medicine, Drug Delivery, Bone Implants and Substitutes
- Polymers at surfaces and interfaces
- Energy conversion and storage
- Packaging

POLYMERS IN INDUSTRIES

- Polymer characterization
- Conjugated polymers
- Supramolecular polymers
- Polymer Processing
- Polymer quench ants for Industrial Heat treatment
- Polyurethanes in cushioning, shoe sole
- Polyacrylates in paints and varnishes
- Polyesters in clothing and food packaging industries
- Silicone elastomers in cosmetics
- Thermoset resins for automotive, electronic, adhesives



Program-At-A-Glance

FRIDAY, MAY 28, 2021

POLYMERS FOR DRUG DELIVERY

- Diffusion-Controlled Systems
- Solvent-Activated Systems
- Pharmacological Considerations in Drug Delivery
- Polymer-Drug Conjugates
- Molecularly Imprinted Polymers
- Polymer-Protein Conjugates
- Endosomal Polymer

POLYMERS FOR EMERGING TECHNOLOGIES

- Information technology
- Nanotechnology
- Biotechnology
- Cognitive science
- Psych technology
- Robotics
- Artificial technology

ADVANCED POLYMERS

- Smart & sustainable polymers
- Advanced elastomeric materials
- Advanced polymer Synthesis and characterization methods
- Modelling/simulation of polymers
- Cyclic olefin copolymer structures
- Polymer-metal hybrids

RECENT ADVANCES IN POLYMER CHEMISTRY

- Inter facial Polymerization
- Polyaramids and Polyimides
- Enhanced tumor targeted gene delivery

GROUP PHOTO

COFFEE BREAK

POLYMER RECYCLING

- Sorting
- Washing
- Shredding
- Identification and Classification of Plastic
- Extruding

POLYMER MANUFACTURE

- Mold fabrication
- Thermo- set matrix techniques
- Thermoplastic matrix techniques
- Liquid molding

WASTE MANAGEMENT OF POLYMERS

- Recycling of plastic waste by density separation
- Polymers in plastic industry
- Growth opportunities in shifting polymers markets
- Industry profitability for investments on polymers
- Identify most cost-effective raw materials to use
- Polymers in textile marketing

POLYMER+3D PRINTING

- Polylactic Acid (PLA)
- Acrylonitrile butadiene styrene (ABS)
- Polyvinyl Alcohol Plastic (PVA)

LUNCH BREAK

POLYMERS IN EVERY DAY LIFE

- Aqueous dispersed media
- Radical polymerization
- Crosslinked nanoparticle
- Nano capsule
- Hyper branched polymer

POLYMER MARKETING

- Polymer market segmented by application for the year 2019
- Polymer market by region
- Trend, Profit, and Forecast Analysis
- Polymer market by type of polymer
- Shear thinning



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