

THE 18TH PACIFIC  
POLYMER CONFERENCE

PPC18

PUERTO VALLARTA MEXICO  
3-7 DECEMBER 2023

[ppc18.com.mx](http://ppc18.com.mx)

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## WELCOME LETTER

### Dear Colleagues, Friends, and Participants

*iHola!* A big welcome to you at the Pacific Polymer Conference (PPC 18) here in beautiful Puerto Vallarta, México. This conference was jointly organized by the Mexican Polymer Society (SPM) and the Polymer Chemistry Division (POLY) of the American Chemical Society (ACS). This conference aims to bring the exciting developments of macromolecular science and engineering in a resort setting. The latest and state-of-the-art polymer synthesis, polymer characterization, polymers for energy, biomaterials, polymer physics, polymers of defense, additive manufacturing, and other topics will bring an intellectual *fiesta* in the days to come. An all-inclusive resort is undoubtedly a refreshing way to enjoy this conference. We welcome you to this meeting, hoping it will bring closer the members and member societies of the Pacific Polymer Federation (PPF) Societies. Our participants from across the Pacific Rim countries and beyond, will enrich our fellowship as we enjoy building memories and making new friends. Puerto Vallarta has much to offer you and your family, being a major zoned resort and port with exciting nightlife and beach activities. We hope you enjoy the resort, the city, and the friendly smiles. The PPF members, students, and members societies from the United States, Japan, Korea, China, Canada, Taiwan, Australia, Singapore, Thailand, Russia, and others, together with members of our host country, México, will again demonstrate that polymer science transcends international borders which are desperately needed these days.

As Chairmans of PPC 18, we welcome you to the conference.

*!Bienvenidos todos!*

Rigoberto Advincula and José Bonilla-Cruz

Co-Presidents of PPF 2022 – 2023.

## COUNCIL MEMBERS (2022-2023)

COUNTRY	NAME
Australia	<b>Martina Stenzel</b>
Australia	<b>Andrew Whittaker</b>
Canada	<b>Michael Cunningham</b>
China	<b>Xi Zhang</b>
Indonesia	<b>Eniya Dewi</b>
Japan	<b>Keiji Tanaka</b>
Japan	<b>Takashi Kato</b>
Korea	<b>Dong June Ahn</b>
Malaysia	<b>Chee Cheong Ho</b>
Mexico	<b>Jose Bonilla-Cruz</b>
New Zealand	<b>Jadranka Travas-Sejdic</b>
Russia	<b>Alexi Khokhlov</b>
Singapore	<b>Xiao Hu</b>
Taiwan	<b>Rong-Ming Ho</b>
Taiwan	<b>Wen-Chang Chen</b>
Thailand	<b>Suwabun Chirachanchai</b>
USA	<b>Krzys Matyjaszewski</b>
USA	<b>Tim Lodge</b>
USA	<b>Rigoberto Advincula</b>
Vietnam	<b>Viet Bac Nguyen</b>

**ORGANIZING COMMITTEE**



**José Bonilla**  
**CIMAV – Monterrey**  
**PPF Co-President**  
**Chairman**



**Rigoberto Advíncula**  
**University of Tennessee/ORNL**  
**PPF Co-President**  
**Chairman**



**Tim Lodge**  
**University of Minnesota**  
**Scientific Program**



**Kris Matyjaszewski**  
**Carnegie-Mellon University**  
**Scientific Program**



**Tania Lara**  
**CIMAV – Monterrey**  
**Secretary-Treasurer**



**Gabriel Luna**  
**Tecnológico de Monterrey**  
**Deputy-Secretary**

## PROGRAM COMMITTEE

### S1. Polymer Synthesis (PS)

Kris Matyjaszewski	CMU-USA
Angel Licea	Tec Tijuana-México
Brent Summerlin	Univ. of Florida-USA
Xi Zhang	Tsinghua Univ.-China
Zhibo Li	Qingdao Univ. of Sci. and Tech.-China

### S2. Polymer Physics and Characterization (PPC)

Tim Lodge	Univ. of Minnesota
Keiji Tanaka	Kyushu Univ.-Japan
Alexei Sokolov	ORNL-USA

### S3. Biopolymers (BP)

Gabriel Luna Bárcenas	Tecnológico de Monterrey-México
Heather Maynard	UCLA-USA

### S4. Polymer Materials for Advanced Technologies (PMAT)

Suwabun Chirachanchai	Chulalongkorn Univ.-Thailand
Dong June Ahn	Korea Univ.-Korea
Thomas Zawodzinski	UT/ORNL-USA

### S5. Polymers for Energy & Environment (PE)

Katrina Knauer	NREL-USA
Michael Cunningham	Queen's Univ.-Canada

### **S6. Polyolefins (P)**

Carlos R. López-Barrón	Exxon Mobil-USA
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Odilia Pérez	CIQA-México
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Yongfeng Men	CIAC-China
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### **S7. 3D/4D Printing of Polymers & Composite Materials (3DP)**

Rigoberto Advincula	UTK/ORNL-USA
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José Bonilla Cruz	CIMAV Monterrey-México
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Emily Pentzer	TAMU-USA
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Alan Guymon	Univ. of Iowa-USA
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### **S8. Hybrid Polymers, Processing, (Nano)Composites (HPN)**

Sanat Kumar	Columbia Univ.-USA
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Mark Dadmun	UTK-USA
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### **S9. Polymer Surfaces, Interfaces & Coatings (PSI)**

Peter Zarras	ONR-USA
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Marek Urban	Clamson Univ.-USA
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Richard Spontak	NCSU-USA
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### **S10. Technical Session: Polymers for Defense Applications (PD)**

Robert Lambeth	ARO-USA
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Arturo Ayon	ORNG-USA
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John Reynolds	GaTech-USA
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### **S11. Posters Session**

Tania Lara Cenicerros	CIMAV Monterrey-México
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## GENERAL INFORMATION

### On-site Registration

All participants must register on-site at the Expo Buganvilias meeting room, in Sheraton Buganvilias Resort & Convention Center. (See floor plan, page 13)

The registration module will be available on the following schedule:

<b>Dec 3<sup>rd</sup> (Sunday)</b>	10:00 – 16:50
<b>Dec 4<sup>th</sup> (Monday)</b>	7:30 – 13:00
<b>Dec 5<sup>th</sup> (Tuesday)</b>	7:30 – 13:00
<b>Dec 6<sup>th</sup> (Wednesday)</b>	7:30 – 13:00

### Recommendations

Once the registration has been completed participants must wear their ID badge throughout the event.

We encourage all participants to bring an adequate electric converter (US type) only in case you need to use an electronic device.



## PAYMENT INFORMATION

Registration payment should be completed in due time (USD).

### Registration fees

	Regular		SPM members	
	<i>Before October 31<sup>st</sup></i>	<i>After October 31<sup>st</sup></i>	<i>Before October 31<sup>st</sup></i>	<i>After October 31<sup>st</sup></i>
<b>Professional Participant</b>	\$750	\$1000	\$400	\$700
<b>Student Participant</b>	\$200	\$ 400	\$150	\$300
<b>Accompanying Person</b>	\$300	\$300	\$300	\$300

## Official event

All registered participants hosted in Sheraton Buganvillas Resort & Convention Center, can attend free of charge to the following activities.

Activity	Day	Schedule	Place
<b>Welcome Reception</b>	Dec. 3 <sup>rd</sup>	19:30-20:30	Jardín Corazón
<b>Coffee Break (morning)</b>	Dec 4 <sup>th</sup> /Dec 5 <sup>th</sup> /Dec 6 <sup>th</sup>	10:00- 10:20	Expo Buganvillas
<b>Coffee Break (afternoon)</b>	Dec 4 <sup>th</sup> /Dec 5 <sup>th</sup> /Dec 6 <sup>th</sup>	15:30-15:50	Expo Buganvillas
<b>Lunch</b>	Dec 4 <sup>th</sup> /Dec 5 <sup>th</sup> /Dec 6 <sup>th</sup>	12:20-14:00	Villita Restaurant, La Pergola
<b>Mexican Dinner</b>	Dec 4 <sup>th</sup>	19:30-22:00	Jardín Corazón
<b>Gala Dinner</b>	Dec 6 <sup>th</sup>	20:00-24:00	Salón Buganvillas

For registered participants but **Non-Hosted at the Venue Hotel** there are **2 options to get a Day-Pass**:

1) You can purchase a personal Day Pass for **\$99.50 USD** or \$1,990 MXN **per person, per day** (this option includes a full meal plan in the Venue Hotel, and the use of pools, and alcoholic beverages for adults).

2) A Coffee-Break Day Pass **is fully covered by the PPC18 Conference, if you attend daily only the scientific PPC18 Program** (this option includes two coffee-break services AM-PM). In this option you can pay directly your meals in Villita Restaurant (please **wear always your badge** this is you ID as PPC18 participant).

NOTE: For both previous options, the **Mexican and Gala Dinner are not included**. You can purchase the tickets directly during your Registration (Cashier booth) for \$46 USD or \$920 MXN (Mexican Dinner); and \$99 USD or \$1,970 MXN (Gala Dinner).

## GUIDELINES FOR SPEAKERS

### Oral Presentation

For organization purposes we encourage all speakers to prepare their presentation in advance and provide it in due time.

For each oral presentation, a presentation file should be sent to the Secretary contact [secretaryppc@cimav.edu.mx](mailto:secretaryppc@cimav.edu.mx) until Dec 1<sup>st</sup> at 23:00 (Mexico City). The presentation file should be on .pptx format and maximum 20 MB size.

Presentations can be accepted on-site by the designated Monitor in a USB stick only to those participants who are unable to contact the secretary. We will receive presentation files at the Expo Buganvilias meeting room (See floor plan, page 13) from Dec 2<sup>nd</sup> to Dec 5<sup>th</sup> from 14:00 to 16:00 h.

A computer will be provided at each room to display the presentations. No other PC or laptops will be allowed to be used for presentations.

Presentation	Time
Plenary Lecture	60 min
Invited Lecture	30 min
Oral	20 min

## POSTER SESSION

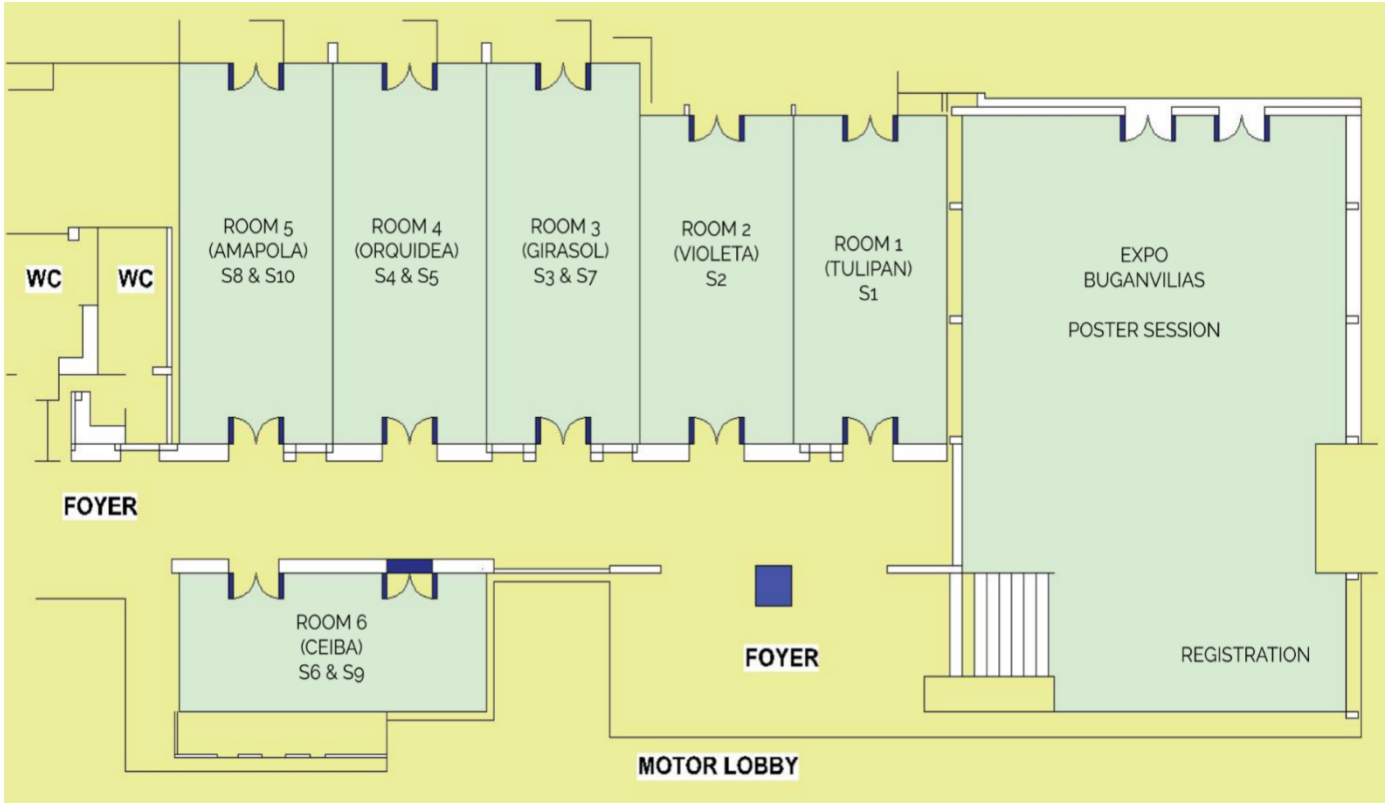
Posters can be placed in advance, starting from Monday Dec 4<sup>th</sup> and no later than Tuesday Dec 5<sup>th</sup> at 14:00 h. Poster session is scheduled on December 5<sup>th</sup> from 16:10 to 19:10 at the Expo Buganvilias. (See floor plan, page 13). Posters may remain on place until Wednesday Dec 6<sup>th</sup>.

### Poster Guidelines

The following instructions must be considered for all Poster presentations:

- Each poster must be placed according to the Abstract ID indicated at the location.
- Poster should be A0 size, 120 cm (height) x 90 cm (width) in portrait format.
- Adhesive tools will be provided to attach each poster on the board.

FLOOR PLAN





THE 18TH PACIFIC  
POLYMER CONFERENCE

PROGRAM

## PROGRAM AT A GLANCE

Sunday 3rd	Monday 4th	Tuesday 5th	Wednesday 6th	Thursday 7th
	<i>Plenary III &amp; Plenary IV</i> (8:00 - 10:00)	<i>Invited &amp; Regular Talks</i> (8:00 - 10:00)	<i>Plenary V &amp; Plenary VI</i> (8:00 - 10:00)	<i>Plenary VII &amp; Plenary VIII</i> (8:00 - 10:00)
Registration  (10:00 - 16:50)	Coffee Break (10:00 - 10:30)			Closing Ceremony
	<i>Invited &amp; Regular Talks</i> (10:30 - 12:30)	<i>Invited &amp; Regular Talks</i> (10:30 - 12:30)	<i>Invited &amp; Regular Talks</i> (10:30 - 12:30)	
	Lunch (12:30 - 14:00)	Lunch & SPM Meeting (12:30 - 14:00)	Lunch (12:30 - 14:00)	
	<i>Invited &amp; Regular Talks</i> (14:00 - 15:30)	<i>Invited &amp; Regular Talks</i> (14:00 - 15:30)	<i>Invited &amp; Regular Talks</i> (14:00 - 15:30)	
	Coffee Break (15:30 - 15:50)			
	<i>Invited &amp; Regular Talks</i> (15:50 - 17:10)	PPC18 Photo	<i>Invited &amp; Regular Talks</i> (15:50 - 17:00)	
Opening Ceremony (16:50 - 17:20)	Break	Poster Session Talks (16:10 - 19:00)	Break	
<i>Plenary I &amp; Plenary II</i> (17:20 - 19:20)		Break		
Welcome Reception (19:30-20:30)	Mexican Dinner (19:30-22:00)	PPF Councillors Meeting & Dinner	Gala Dinner (20:00-12:00)	

## PLENARY LECTURES

SALÓN BUGANVILIAS -ROOM 3, 4, & 5

TIME	PLENARY	PRESENTING AUTHOR	TITLE	TOPIC
<b>SUNDAY, DECEMBER 3, 2023</b>				
17:20	I	<b>Kristi Anseth</b>	RESPONSIVE AND ADAPTABLE POLYMER NETWORKS FOR 4D CELL CULTURE	S4
18:20	II	<b>Tazuko Aida</b>	DYNAMIC FUNCTIONAL MATERIALS BASED ON SUPRAMOLECULAR POLYMERS	S4
<b>MONDAY, DECEMBER 4, 2023</b>				
8:00	III	<b>Cyrille Boyer</b>	FABRICATION OF NANOSTRUCTURED MATERIALS USING 3D PRINTING TECHNOLOGY	S1
9:00	IV	<b>Kimberly Chaffin</b>	ENSURING MATERIAL BIOSTABILITY FOR CHRONICALLY IMPLANTED MEDICAL DEVICES	S2
<b>WEDNESDAY, DECEMBER 6, 2023</b>				
8:00	V	<b>Mónica Olvera de la Cruz</b>	CONTROL OF FUNCTIONAL MACROMOLECULAR SYSTEMS	S2
9:00	VI	<b>Craig Hawker</b>	CONTROLLED RADICAL POLYMERIZATION OF $\alpha$ -LIPOIC ACID: A GENERAL ROUTE TO DEGRADABLE VINYL COPOLYMERS	S1
<b>THURSDAY, DECEMBER 7, 2023</b>				
8:00	VII	<b>Michael Cunningham</b>	USING CARBON DIOXIDE AS A TRIGGER TO REVERSIBLY "SWITCH" POLYMER PROPERTIES	S5
9:00	VIII	<b>Moon Jeong Park</b>	END-GROUP AND LINKER CHEMISTRY IN POLYMER SCIENCE	S2



## S1. POLYMER SYNTHESIS (PS)

ORAL SESSION - ROOM 1 (Tulipán)

MONDAY, DECEMBER 4, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
10:00	Coffee Break			
10:30	INVITED TALK	S1-abs003	<b>Brent Sumerlin</b>	PHOTOCATALYSIS TO SYNTHESIZE, DERIVATIZE, DEPOLYMERIZE, AND DEGRADE POLYMERS
11:00	INVITED TALK	S1-abs033	<b>Jessica Lamb</b>	SEQUENTIAL CATIONIC AND ANIONIC POLYMERIZATION FOR THE SYNTHESIS OF POLY(VINYL ETHER)- <i>b</i> -POLYTHIIRANE BLOCK COPOLYMERS
11:30	REGULAR TALK	S1-abs006	<b>Eduardo Hermosillo-Ochoa</b>	IMPACT OF END-GROUP IN AQUEOUS SOLUTION PROPERTIES USING WATER-SOLUBLE STAR (CO)POLYMERS SYNTHESIZED BY RAFT
11:50	INVITED TALK	S1-abs030	<b>Tristan Clemons</b>	APPLICATIONS OF PEPTIDE-BASED POLYMERS, FOR THE TREATMENT OF DISEASE AND INJURY
12:10	Lunch			
14:00	REGULAR TALK	S1-abs032	<b>Yi Liu</b>	FUNCTIONAL TOPOCHEMICAL POLYMERS FROM AZAQUINODIMETHANES: CRITICAL INSIGHTS INTO THE STRUCTURE-REACTIVITY RELATIONSHIP
14:20	INVITED TALK	S1-abs021	<b>Zesheng An</b>	PHOTOENZYMATIC RAFT POLYMERIZATION
14:50	REGULAR TALK	S1-abs028	<b>Ze Zhang</b>	EASY ACCESS TO DIVERSE MULTIBLOCK COPOLYMERS WITH ON-DEMAND BLOCKS VIA THIOESTER-RELAYED IN-CHAIN CASCADE COPOLYMERIZATION

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
8:00	INVITED TALK	S1-abs045	<b>Enrique Saldívar-Guerra</b>	PARTICLE SIZE DISTRIBUTION MODELING IN EMULSION POLYMERIZATION USING POPULATION BALANCE EQUATIONS
8:30	INVITED TALK	S1-abs043	<b>Adrian Figg</b>	USING PHOTOREDOX CATALYSIS TO ACCESS DEFINED COPOLYMER STRUCTURES
9:00	INVITED TALK	S1-abs036	<b>Kevin Noonan</b>	SUZUKI-MIYaura CROSS-COUPLING FOR THE SYNTHESIS OF WELL-DEFINED CONJUGATED POLYMERS.
9:30	INVITED TALK	S1-abs020	<b>Javier Read de Alaniz</b>	EXPLORATION OF LIGHT RESPONSIVE MATERIALS
10:00	<b>Coffee Break</b>			
10:30	INVITED TALK	S1-abs001	<b>Krzysztof Matyjaszewski</b>	PRECISE CONTROL OF MACROMOLECULAR ARCHITECTURE BY ATOM TRANSFER RADICAL POLYMERIZATION
11:00	INVITED TALK	S1-abs019	<b>Xi Zhang</b>	ON DEPOLYMERIZATION: TOWARDS RECYCLABLE POLYMERIC MATERIALS
11:30	INVITED TALK	S1-abs043	<b>Rigoberto Advincula</b>	AI/ML STRATEGIES: CONTINUOUS FLOW POLYMER SYNTHESIS AND GRAFTING
12:00	REGULAR TALK	S1-abs012	<b>Takumi Miura</b>	SYNTHESIS OF POLYACENE MEDIATED BY A METAL-ORGANIC FRAMEWORK
12:20	<b>Lunch</b>			
14:00	REGULAR TALK	S1-abs040	<b>Davita Watkins</b>	AMPHIPHILIC DENDRITIC HYBRID BLOCK COPOLYMERS (HBCs) FOR THERONOSTIC NANOMEDICINE
14:20	REGULAR TALK	S1-abs023	<b>Alvaro Leonel Robles Grana</b>	RAFT-FUNCTIONALIZED POLY (OXAZOLINES) REACHED BY NOVEL DUAL AGENT, A POTENTIAL PRECURSOR FOR AMPHIPHILIC POLYMER SYNTHESIS
14:40	REGULAR TALK	S1-abs027	<b>Atsushi Kajiwara</b>	EACH ELEMENTARY PROCESS OF BOTH CONVENTIONAL AND CONTROLLED RADICAL POLYMERIZATION HAS BEEN STUDIED BY ELECTRON SPIN RESONANCE (ESR/EPR) SPECTROSCOPY.
15:00	INVITED TALK	S1-abs043	<b>Shiyong Liu</b>	PRECISION POLYETHYLENE GLYCOL (PEG) DERIVATIVES FOR INNOVATING NANOFORMULATIONS
15:30	<b>Coffee Break</b>			
15:50	<b>PPC18 PHOTO (Jardín Corazón)</b>			
16:10	<b>POSTER SESSION</b>			

WEDNESDAY, DECEMBER 6, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
10:00	Coffee Break			
10:30	INVITED TALK	S1-abs018	<b>Angel Licea-Claverie</b>	STIMULI RESPONSIVE PEGYLATED NANO/MICROGELS BY SURFACTANT-FREE EMULSION POLYMERIZATION USING POLYMERIZABLE PEG-MACROMONOMERS
11:00	INVITED TALK	S1-abs029	<b>Tomohiro Kubo</b>	PRECISION SYNTHESIS OF ALIPHATIC POLYESTERS WITH IMPROVED DEGRADABILITY
11:30	INVITED TALK	S1-abs038	<b>Josué D. Mota-Morales</b>	ADVANCING GREEN POLYMERIC MATERIALS THROUGH POLYMERIZATION IN DEEP EUTECTIC SOLVENT SYSTEMS
12:00	REGULAR TALK	S1-abs007	<b>Yuki Kametani</b>	MOF-TEMPLATED SYNTHESIS OF DOUBLE-STRANDED VINYL POLYMERS
12:20	Lunch			
14:00	REGULAR TALK	S1-abs048	<b>Eddie Chan</b>	POLYMER-BASED TRANSIENT ELECTRONICS VIA OLIGO-3-HEXYLTHIOPHENE GRAFTED TO DEGRADABLE POLYMER BACKBONE
14:20	REGULAR TALK	S1-abs022	<b>Zhengbiao Zhang</b>	THE PRECISION SYNTHESIS OF DISCRETE POLYMERS
14:40	REGULAR TALK	S1-abs011	<b>Shihui Li</b>	COPOLYMERIZATION OF ETHYLENE AND POLAR VINYL MONOMERS BY RARE EARTH METAL CATALYSTS
15:00	INVITED TALK	S1-abs044	<b>Wenbin Zhang</b>	CELLULAR SYNTHESIS OF PROTEINS WITH UNCONVENTIONAL CHEMICAL TOPOLOGY

## S2. POLYMER PHYSICS AND CHARACTERIZATION (PPC)

ORAL SESSION - ROOM 2 (Violeta)

MONDAY, DECEMBER 4, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	REGULAR TALK	S2-abs014	<b>Wenbing Hu</b>	UNDERSTANDING NONLINEAR VISCOELASTICITY OF STRESS RELAXATION IN AMORPHOUS POLYMERS
<b>10:50</b>	INVITED TALK	S2-abs013	<b>Timothy Lodge</b>	KINETICS OF BLOCK COPOLYMER MICELLE FRAGMENTATION: FISSION IMPOSSIBLE?
<b>11:20</b>	INVITED TALK	S2-abs018	<b>Michelle Calabrese</b>	CONTROLLING MICROSTRUCTURE AND MECHANICAL PROPERTIES IN AQUEOUS BLOCK COPOLYMERS (BCPs) USING LOW INTENSITY MAGNETIC FIELDS
<b>11:50</b>	INVITED TALK	S2-abs004	<b>Jennifer Laaser</b>	IMPACTS OF NETWORK HETEROGENEITY ON THE MACROSCOPIC AND MOLECULAR-SCALE FORCE RESPONSES OF POLYMER NETWORKS
<b>12:20</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	S2-abs008	<b>Michael Rubintein</b>	MYSTERIES OF AIRWAY MUCUS LAYER: FROM SCATTERING TO RHEOLOGY
<b>14:30</b>	INVITED TALK	S2-abs012	<b>Alexei Sokolov</b>	VISCOELASTICITY OF POLYMERS WITH DYNAMIC (REVERSIBLE) BONDS: CONCEPTS AND MISCONCEPTIONS
<b>15:00</b>	INVITED TALK	S2-abs039	<b>Rigoberto Advincula</b>	MECHANISTIC STUDIES IN $I_{on}$ /CORRODENT DIFFUSION ON PARTICLE-FILM MATRIX WITH MODELING

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
8:00	REGULAR TALK	S2-abs040	Robert Cody	AN OVERVIEW OF MASS SPECTROMETRY METHODS FOR POLYMER CHARACTERIZATION
8:20	REGULAR TALK	S2-abs025	Sung Park	AFM + IR SPECTROSCOPY FOR QUANTITATIVE MOLECULAR SPECTRO-NANOSCOPY
8:40	REGULAR TALK	S2-abs024	Diana Zhang	EFFECT OF COSOLVENT ADDITION ON THE EXTENSIONAL RHEOLOGY OF PNIPAM SOLUTIONS
9:00	INVITED TALK	S2-abs006	Rachel Segalman	CONJUGATED POLYMER COACERVATES AS BATTERY BINDERS
9:30	INVITED TALK	S2-abs015	Richard Spontak	THERMOPLASTIC ELASTOMER GELS DERIVED FROM CONTROLLED-DISTRIBUTION TRIBLOCK COPOLYMERS WITH CRYSTALLIZABLE ENDBLOCKS
10:00	Coffee Break			
10:30	REGULAR TALK	S2-abs017	Nobuhiko Hosono	RECOGNITION OF COPOLYMER SEQUENCES BY NANOPOROUS CRYSTALS
10:50	INVITED TALK	S2-abs023	Takashi Kato	FUNCTIONAL 2D LAYERED LIQUID-CRYSTALLINE AND POLYMER ASSEMBLIES
11:20	INVITED TALK	S2-abs034	Eunji Lee	TRACKING AND GUIDING CRYSTALLIZATION-DRIVEN POLYMER ASSEMBLY THROUGH SOFT-MATTER TEM
11:50	INVITED TALK	S2-abs021	Carlos López-Barrón	MEASURING FLOW-INDUCED CRYSTALLIZATION DURING EXTENSIONAL FLOW OF POLYPROPYLENE IONOMERS: A RHEO-RAMAN AND RHEO-SAXS/WAXS STUDY
12:20	Lunch			
14:00	INVITED TALK	S2-abs019	Keiji Tanaka	RELAXATION BEHAVIOR OF POLYMER CHAINS AT SOLID SURFACES
14:30	INVITED TALK	S2-abs003	Ralm Ricarte	LINEAR RHEOLOGY OF VITRIMER MELTS
15:00	INVITED TALK	S2-abs001	Naoko Yoshie	DYNAMIC CROSSLINKING OF POLYMERS FOR ENVIRONMENTALLY FRIENDLY APPLICATIONS
15:30	Coffee Break			
15:50	PPC18 PHOTO (Jardín Corazón)			
16:10	POSTER SESSION			

WEDNESDAY, DECEMBER 6, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	INVITED TALK	S2-abs035	<b>Karen Winey</b>	NANOPARTICLE DIFFUSION COEFFICIENTS IN POLYMER NANOCOMPOSITES: EFFECT OF POLYMER MOLECULAR WEIGHT, NANOPARTICLE SIZE, AND INTERPARTICLE DISTANCE
<b>11:00</b>	INVITED TALK	S2-abs010	<b>Jian Ping Gong</b>	REAL-TIME SELF-REINFORCEMENT OF DOUBLE NETWORK HYDROGELS
<b>11:30</b>	INVITED TALK	S2-abs011	<b>Rong-Ming Ho</b>	WELL-ORDERED NANONETWORK MATERIALS FROM BLOCK COPOLYMER TEMPLATES FOR METAMATERIAL APPLICATIONS
<b>12:00</b>	REGULAR TALK	S2-abs005	<b>José Antonio Sánchez-Fernández</b>	HYDROGELS BASED ON SUPRAMOLECULAR STRATEGIES
<b>12:20</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	S2-abs036	<b>Eugenia Kumacheva</b>	FIBROUS HYDROGELS UNDER CONFINEMENT
<b>14:30</b>	INVITED TALK	S2-abs009	<b>Hyun Kim</b>	OPTICAL PROCESSING STRATEGIES OF SMART AND FUNCTIONAL POLYMERS
<b>15:00</b>	INVITED TALK	S2-abs038	<b>Muzhou Wang</b>	VISUALIZING SINGLE POLYMER CONFORMATION AND DYNAMICS USING SINGLE-MOLECULE SUPER-RESOLUTION OPTICAL MICROSCOPY
<b>15:30</b>	<b>Coffee Break</b>			
<b>15:50</b>	REGULAR TALK	S2-abs042	<b>Armando Gama</b>	USING POLYMERS TO INCREASE THE VISCOSITY OF SUPERCRITICAL CO <sub>2</sub> AS AN ALTERNATIVE FRACKING FLUID: A NUMERICAL SIMULATION APPROACH.

## S3. BIOPOLYMERS (BP)

ORAL SESSION - ROOM 3 (Girasol)

MONDAY, DECEMBER 4, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	INVITED TALK	S3-abs067	<b>Heather Maynard</b>	RESPONSIVE POLYMER DRUG CONJUGATES
<b>11:00</b>	REGULAR TALK	S3-abs078	<b>Ke Zhang</b>	BOTTLEBRUSH POLYMERS FOR ENHANCED DELIVERY OF OLIGONUCLEOTIDE THERAPEUTICS
<b>11:20</b>	INVITED TALK	S3-abs015	<b>Thomas Epps III</b>	RESPONSIVE POLYMER NANOPLEXES - LINKING IN VITRO EXPERIMENTS TO IN VIVO OUTCOMES
<b>11:50</b>	REGULAR TALK	S3-abs035	<b>Xianglong Hu</b>	POLYPRODRUG NANOMEDICINES AND TECHNOLOGIES IN DISEASE TREATMENTS
<b>12:10</b>	REGULAR TALK	S3-abs018	<b>Jorge Herrera-Ordoñez</b>	POLY(VINYL ACETATE) NANOPARTICLES COVERED BY A PVA-FOLATE COMPLEX AS A NANOCARRIER FOR TARGETED DELIVERY OF EUGENOL AS AN ANTITUMOR AGENT
<b>12:30</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	S3-abs066	<b>Tania E. Lara-Ceniceros</b>	NANOCELLULOSE AS ECO-FRIENDLY AND SUSTAINABLE MATERIAL FOR ENVIRONMENTAL APPLICATIONS
<b>14:30</b>	REGULAR TALK	S3-abs014	<b>Melissa Stanfield</b>	WOOD WASTE TO PLASTIC: BIO-BASED POLYMERS AS NEXT GENERATION POLYMER MATERIAL
<b>14:50</b>	REGULAR TALK	S3-abs017	<b>Jinming Hu</b>	CONTROLLED DELIVERY OF GASEOUS SIGNALING MOLECULES FOR BIOMEDICAL APPLICATIONS
<b>15:10</b>	REGULAR TALK	S3-abs033	<b>Ricardo Manríquez González</b>	ZWITTERIONIC CELLULOSES: SYNTHESIS, CHARACTERIZATION AND APPLICATIONS
<b>15:30</b>	<b>Coffee Break</b>			
<b>16:20</b>	REGULAR TALK	S3-abs075	<b>Hortensia Ortega Ortiz</b>	SYNTHESIS AND CHARACTERIZATION OF IODINATED CHITOSAN NANOPARTICLES COMPLEXES AND ITS CYTOTOXICITY IN CANCER CELLS
<b>16:40</b>	REGULAR TALK	S3-abs029	<b>Karla Fabiola García Verdugo</b>	NEAR-INFRARED PHOTORESPONSIVE HYDROGELS BASED ON PVA, PVME-alt-MA, PVME AND CARBON NANOTUBES FOR CONTROLLED DRUG DELIVERY.
<b>17:00</b>	REGULAR TALK	S3-abs002	<b>Zahra Eivazi Zadeh</b>	THE ENZYME-RESPONSIVE DELIVERY SYSTEM FOR REPROGRAMMING REACTIVE GLIA INTO NEURAL PROGENITORS AND NEURONS

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
8:00	REGULAR TALK	S3-abs021	Ye-Zi You	FUNCTIONAL POLYMER CAGING DIPHOSPHATE STRUCTURE BLOCKS THE CELL WALL SYNTHESIS TO KILL BACTERIA WITHOUT DETECTABLE RESISTANCE
8:20	REGULAR TALK	S3-abs022	Longhai Wang	POLYMER BIOMATERIALS AND DEVICES FOR CELL REPLACEMENT THERAPY OF TYPE 1 DIABETES
8:40	INVITED TALK	S3-abs009	Chuanbing Tang	HARNESSING FACIAL AMPHIPHILICITY FOR FIGHTING ANTIMICROBIAL RESISTANCE
9:10	REGULAR TALK	S3-abs034	Jianzhong Du	FUSION-INDUCED PARTICLE ASSEMBLY AND INTRACELLULAR PEPTIDE ASSEMBLY
9:30	INVITED TALK	S3-abs013	Gabriel Luna-Barcenas	PERCOLATION PHENOMENA IN BIOPOLYMER NANOCOMPOSITES: A USEFUL DESIGN TOOL FOR THE DEVELOPMENT OF SMART BIOMATERIALS.
10:00	Coffee Break			
10:30	INVITED TALK	S3-abs007	Weiping Gao	DEVELOPING PROTEIN-POLYMER CONJUGATES BY SITE-SELECTIVE IN SITU CONTROLLED POLYMERIZATION
11:00	REGULAR TALK	S3-abs005	Cassandra Callmann	INFLUENCE OF CARBOHYDRATE MACROMOLECULAR STRUCTURE ON GALECTIN-3 BINDING
11:20	INVITED TALK	S3-abs025	Roberto Olayo Gonzalez	PLASMA GENERATED PYRROLE POLYMER, A SURPRISING BIOMATERIAL
11:50	REGULAR TALK	S3-abs001	Lilith M. Caballero Aguilar	FUNCTIONAL HYDROGEL FOR ENHANCED CARTILAGE TISSUE ENGINEERING
12:10	REGULAR TALK	S3-abs003	Pratibha Singh	BIOENGINEERING CARRAGEENAN-HERBAL BASED HYDROGELS FOR WOUND HEALING APPLICATION
12:30	Lunch			
15:30	Coffee Break			
15:50	PPC18 PHOTO (Jardín Corazón)			
16:10	POSTER SESSION			



## S4. POLYMER MATERIALS FOR ADVANCED TECHNOLOGIES (PMAT)

ORAL SESSION - ROOM 4 (Orquídea)

MONDAY, DECEMBER 4, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
10:00	Coffee Break			
10:30	INVITED TALK	S4-abs012	Dong Ahn	SPECIFIC BIOPHOTONICS DRIVEN BY ORGANIC SEMICONDUCTOR-DNA HYBRID SENSORS
11:00	REGULAR TALK	S4-abs042	Jinjia Xu	VISCOELASTIC FLUORESCENT $\pi$ -CONJUGATED POLYMER LIQUIDS
11:20	INVITED TALK	S4-abs038	Gao Liu	MULTIFUNCTIONAL POLYMER BINDER FOR SOLID STATE BATTERY ELECTRODE: FORMATION OF HIERARCHICALLY ORDERED STRUCTURES IN CONDUCTIVE POLYMERS TO ENHANCE ION AND ELECTRON TRANSPORT IN THE ELECTRODE
11:50	REGULAR TALK	S4-abs041	Barbara Isabel Farias Mancilla	AMPHIPHILIC POLYMER CONETWORKS IN NOVEL FORMULATIONS FOR SILICONE HYDROGEL CONTACT LENSES
12:10	REGULAR TALK	S4-abs015	Teresa del Castillo Castro	PHOTOTHERMAL NANOCOMPOSITE HYDROGELS BASED ON POLY(N-ISOPROPYLACRYLAMIDE-CO-ACRYLIC ACID) AND POLYDOPAMINE FOR THE CONTROLLED CURCUMIN DELIVERY UNDER NIR EXPOSURE
12:30	Lunch			
14:00	INVITED TALK	S4-abs009	Jin Kon Kim	A LARGE SHIFT OF PHASE BOUNDARY OF BLOCK COPOLYMERS
14:30	INVITED TALK	S4-abs019	Suwabun Chirachanchai	ADD-ON STIMULI-RESPONSIVE BUILDING BLOCK: AN APPROACH FOR MULTI-RESPONSIVE SHAPE MEMORY POLYMER
15:00	INVITED TALK	S4-abs017	Jiangtao Jason Xu	HIERARCHICAL POLYMER DESIGN ON HYDROGEL SURFACES FOR ARTIFICIAL SKIN
15:30	Coffee Break			
15:50	REGULAR TALK	S4-abs038	Nuorn Choothong	THE MODIFICATION OF RUBBER FIBER FROM NATURAL RUBBER LATEX BY USING ELECTROSPINNING
16:10	REGULAR TALK	S4-abs032	Maria Ortencia González Diaz	BIOCOMPATIBILITY AND ANTICANCER ACTIVITY OF NOVEL POLY(VINYL ALCOHOL) COPOLYMERS CONTAINING STRONG SULFONIC ACID GROUPS

<b>16:30</b>	REGULAR TALK	S4-abs016	<b>Victor Hugo Ramos Martinez</b>	HIGHLY CITRIC ACID FUNCTIONALIZED AND CROSSLINKED POLY (VINYL ALCOHOL) HYDROGEL FOR ARSENIC (V) REMOVAL IN WATER.
<b>16:50</b>	REGULAR TALK	S4-abs014	<b>Lifeng Yan</b>	POLYPEPTIDE NANOPARTICLES WITH AGGREGATES CONTROL FOR EFFICIENT NIR-II PHOTOTHERANOSTICS

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
8:00	REGULAR TALK	S4-abs035	Kun Zheng	CERAMIC PRECURSOR-PHTHALONITRILE HYBRID MATERIAL WITH HIGH HEAT RESISTANCE THROUGH CONSTRUCTING BINARY CONTINUOUS PHASES
8:20	REGULAR TALK	S4-abs023	Gang Zou	INVERSE DESIGN OF CHIRAL FUNCTIONAL FILMS BY A ROBOTIC AI-GUIDED SYSTEM
8:40	REGULAR TALK	S4-abs026	Shuguang Yang	POLYMER COMPLEX FIBERS: ADAPTIVE BEHAVIORS AND ACTUATION
9:00	REGULAR TALK	S4-abs013	Shiyong Liu	DIGITAL POLYMERS AND MICELLES IN THE ERA OF PRECISION POLYMER CHEMISTRY
9:20	REGULAR TALK	S4-abs020	Motoki Ueda	CUBIC VESICLE COMPOSED OF PLANAR MEMBRANE AND CURVED MEMBRANE
9:40	REGULAR TALK	S4-abs040	Yi Zhang	RECENT PROGRESS IN HIGH-PERFORMANCE LUMINESCENT POLYIMIDE MATERIALS: DESIGN, SYNTHESIS, PROPERTIES AND APPLICATIONS
10:00	Coffee Break			
10:30	INVITED TALK	S4-abs005	John Reynolds	FROM SPIN TO SPRAY TO BLADE: COATING PI CONJUGATED ELECTROACTIVE POLYMERS FOR SOLID STATE AND REDOX ACTIVE APPLICATIONS
11:00	REGULAR TALK	S4-abs008	Richard Spontak	THE VERSATILITY AND EFFECTIVENESS OF ANTIMICROBIAL SURFACES DERIVED FROM AN ANIONIC BLOCK POLYMER
11:20	INVITED TALK	S4-abs031	Thomas Zawodzinski	AN OVERVIEW OF POLYMER ELECTROLYTE BEHAVIOR IN REDOX FLOW BATTERIES
11:50	REGULAR TALK	S4-abs029	Francisco Jose Gonzalez Gonzalez	RUBBERS AND BIODEGRADABLE POLYMERS AS ALTERNATIVE SOLID POLYMER ELECTROLYTES FOR ENERGY STORAGE APPLICATIONS PROCESSED BY SOLVENT-FREE PROCEDURES
12:10	REGULAR TALK	S4-abs030	Adam Imel	EFFECT OF ANIONIC, CATIONIC, AND NON-IONIC SURFACTANTS ON THE STRUCTURAL STABILITY AND MORPHOLOGY OF PERFLUORINATED SULFONIC ACID MEMBRANES
12:30	Lunch			
15:30	Coffee Break			
15:50	PPC18 PHOTO (Jardín Corazón)			
16:10	POSTER SESSION			

## S5. POLYMERS FOR ENERGY AND ENVIRONMENT (PE)

ORAL SESSION - ROOM 4 (Orquídea)

TUESDAY, DECEMBER 5, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
14:00	INVITED TALK	S5-abs009	<b>Athina Anastasaki</b>	PHOTOCATALYTIC ATRP AND RAFT DEPOLYMERIZATION; TEMPORAL REGULATION AT LOW CATALYST LOADINGS
14:30	INVITED TALK	S5-abs017	<b>Katrina Knauer</b>	A POLYESTER FUTURE: TEA/LCA GUIDED RECYCLABLE BY DESIGN PLASTICS
15:00	INVITED TALK	S5-abs005	<b>Gi-Ra Yi</b>	BICONTINUOUS SOLID POLYMER ELECTROLYTES FOR LITHIUM METAL BATTERIES
15:30	<b>Coffee Break</b>			
15:50	<b>PPC18 PHOTO (Jardín Corazón)</b>			
16:10	<b>POSTER SESSION</b>			

WEDNESDAY, DECEMBER 6, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	INVITED TALK	S5-abs035	<b>Michael Cunningham</b>	CROSSLINKING CO <sub>2</sub> -SWITCHABLE POLYMERS FOR PAINTS AND COATINGS APPLICATIONS
<b>11:00</b>	REGULAR TALK	S5-abs034	<b>Marlene Velazco Medel</b>	STRUCTURE-PROPERTY RELATIONSHIP ANALYSIS OF SORBENTS FOR CO <sub>2</sub> CAPTURE.
<b>11:20</b>	INVITED TALK	S5-abs024	<b>Andrea Westlie</b>	EXPANDING POLYHYDROXYALKANOATE MATERIAL PROPERTIES VIA A CHEMOCATALYTIC PLATFORM
<b>11:50</b>	REGULAR TALK	S5-abs014	<b>Lilian Irais Olvera Garza</b>	WELL-DEFINED, WHOLLY AROMATIC ETHER-BOND-FREE BACKBONE POLYMERS AS ANION EXCHANGE MEMBRANES FOR ELECTROCHEMICAL APPLICATIONS
<b>12:30</b>	REGULAR TALK	S5-abs038	<b>Claude St Thomas</b>	IONIC COPOLYMERS AS BINDER FOR IMPROVING SPECIFIC ENERGY FROM LITHIUM-SULFUR BATTERIES
<b>12:30</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	S5-abs012	<b>Franck D' Agosto</b>	DEGRADABLE LATEX PARTICLES AND POLYETHYLENE CHAINS VIA THE USE OF THIONOLACTONE IN FREE RADICAL COPOLYMERIZATION
<b>14:30</b>	INVITED TALK	S5-abs018	<b>Julie Rorrer</b>	ADVANCES IN THE CATALYTIC DEPOLYMERIZATION OF WASTE PLASTICS TOWARDS CHEMICAL CIRCULARITY
<b>15:00</b>	INVITED TALK	S5-abs013	<b>Carson Meredith</b>	TOWARDS RENEWABLE AND RECYCLABLE BARRIER MATERIALS
<b>15:30</b>	<b>Coffee Break</b>			
<b>15:50</b>	REGULAR TALK	S5-abs015	<b>Bryan Alexander Corzo Parra</b>	PROTON EXCHANGE MEMBRANES BASED ON DOPED POLY((P-TOLYL)IMIDAZOLETERPHENYLENE) AND POLY(ARYLENE PYRIDINE)S
<b>16:10</b>	REGULAR TALK	S5-abs028	<b>Isaac Alvarez Moises</b>	POLYETHER BASED POLYHYDROXY URETHANE NETWORK AS SOLID POLYMER ELECTROLYTE IN LITHIUM METAL BATTERIES

<b>16:30</b>	REGULAR TALK	S5-abs031	<b>Farhad Asempour</b>	VITRIFICATION: A VERSATILE METHOD TO TAILOR THE PROPERTIES OF SHAPE MEMORY BRUSH-LIKE TERPENE ELASTOMERS
<b>16:50</b>	REGULAR TALK	S5-abs002	<b>Victoria Bustos Terrones</b>	POLYMERIC COMPOSITES IN WASTEWATER TREATMENT
<b>17:10</b>	REGULAR TALK	S5-abs021	<b>Eline Laurent</b>	BIO-BASED VITRIMERS WITH TUNABLE MICROARCHITECTURES

## S6. POLYOLEFINS (P)

ORAL SESSION - ROOM 6 (Ceiba)

MONDAY, DECEMBER 4, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	KEYNOTE	S6-abs022	<b>Ruben Gonzalez-Nunez</b>	CLOSED-LOOP RECYCLING OF LOW DENSITY POLYETHYLENE FILMS AND THEIR TENSILE PROPERTIES
<b>11:00</b>	INVITED	S6-abs010	<b>Nino Ruocco</b>	PRESENTING A NOVEL HDPE PRODUCT FOR ORIENTED POLYETHYLENE (OPE) FILMS
<b>11:20</b>	INVITED	S6-abs023	<b>Xianbo Huang</b>	FLOW INSTABILITY OF MULTIPHASE POLYMER MELT DURING INJECTION MOLDING
<b>11:40</b>	INVITED	S6-abs017	<b>Koh-Hei Nitta</b>	FALLING-WEIGHT IMPACT DAMAGE IN ISOTACTIC POLYPROPYLENE SHEETS
<b>12:00</b>	KEYNOTE	S6-abs009	<b>Francisco Javier Medellin-Rodriguez</b>	NOVEL PREPARATION METHODS OF GRAPHENE/POLYPROPYLENE COMPOSITES AND THEIR IMPACT ON THE MORPHOLOGICAL AND MECHANICAL PROPERTIES
<b>12:30</b>	<b>Lunch</b>			
<b>14:00</b>	KEYNOTE	S6-abs015	<b>Patrick Lee</b>	TAILORING FOAM MORPHOLOGIES AND PERFORMANCES OF LINEAR POLYPROPYLENE IONOMERS VIA PHYSICAL CROSSLINKING
<b>14:30</b>	INVITED	S6-abs014	<b>Mu Sung (Matt) Kweon</b>	DOING MORE WITH LESS THROUGH LIGHTWEIGHTING: FOAMING CAPABILITY OF EXXONMOBIL HIGH-MELT-STRENGTH POLYPROPYLENE
<b>14:50</b>	INVITED	S6-abs020	<b>Manuel Burelo</b>	SYNTHESIS OF POLYESTERS AND POLYOLS BY METATHESIS DEGRADATION OF BUTADIENE RUBBER
<b>15:10</b>	INVITED	S6-abs002	<b>Zhongbao Jian</b>	DIVERSE POLYOLEFINS SYNTHESIS
<b>15:30</b>	<b>Coffee Break</b>			
<b>15:50</b>	KEYNOTE	S6-abs004	<b>Dongmei Cui</b>	SYNTHESIS OF NEW PLASTICS AND ELASTOMERS: CATALYSTS, STRUCTURES, AND PROPERTIES
<b>16:20</b>	KEYNOTE	S6-abs001	<b>Brian Long</b>	DEVELOPMENT OF PHOTOINDUCED OLEFIN POLYMERIZATION
<b>16:50</b>	KEYNOTE	S6-abs021	<b>Odilia Pérez Camacho</b>	EFFECT OF THE CO-MONOMER ADDITION MODE IN ETHYLENE AND ALFA-OLEFINS COORDINATION COPOLYMERIZATIONS

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
8:20	KEYNOTE	S6-abs024	Eva Harth	THE FUTURE OF FUNCTIONAL POLYOLEFINS AND SEGMENTED STRUCTURES
8:50	INVITED	S6-abs003	Bo Liu	A FACILE APPROACH TO PRODUCE STAR POLYMERS BASED ON COORDINATION POLYMERIZATION
9:10	INVITED	S6-abs006	Alexander Zabula	TOWARDS THE NEXT GENERATION OF GENERAL PURPOSE RUBBERS: POLYPENTENAMERS
9:30	KEYNOTE	S6-abs013	Justin Kennemur	DESIGN AND EXPLORATION OF PRECISION ISOTACTIC ETHYLENE-VINYL ALCOHOL SYSTEMS
10:00	Coffee Break			
10:30	KEYNOTE	S6-abs011	Dean Delongchamp	POLARIZED RESONANT SOFT X-RAY SCATTERING FOR NANOSCALE MOLECULAR ORIENTATION MEASUREMENTS IN POLYMERS
11:00	INVITED	S6-abs025	John Torkelson	UPCYCLING POLYETHYLENE AND ETHYLENE-CONTAINING COPOLYMERS INTO REPROCESSABLE POLYMER NETWORKS BY ONE-STEP, FREE-RADICAL-BASED REACTIVE PROCESSING WITH A DYNAMIC COVALENT CROSSLINKER
11:20	INVITED	S6-abs007	Anthony Kotula	RHEO-RAMAN CHARACTERIZATION OF PARTIALLY-CRYSTALLINE POLYPROPYLENE
11:40	INVITED	S6-abs018	Asae Ito	MORPHOLOGY AND TENSILE PROPERTIES OF HIGH DENSITY POLYETHYLENE DOPED WITH PRIMARY ALCOHOL AND LINEAR ALKANE
12:00	KEYNOTE	S6-abs008	Kalman Migler	FLOW-INDUCED CRYSTALLIZATION OF POLYOLEFINS: IMPLICATIONS FOR MECHANICAL RECYCLING
12:30	Lunch			
15:30	Coffee Break			
15:50	PPC18 PHOTO (Jardín Corazón)			
16:10	POSTER SESSION			



## S7. 3D/4D PRINTING OF POLYMERS & COMPOSITE MATERIALS (3DP)

ORAL SESSION - ROOM 3 (Girasol)

TUESDAY, DECEMBER 5, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
14:00	INVITED TALK	S7-abs011	Allan Guymon	ENHANCING RESOLUTION AND FIDELITY WHILE DECREASING ANISOTROPY USING RAFT AGENTS IN STEREOLITHOGRAPHY
14:30	INVITED TALK	S7-abs023	Yijie Jiang	MACHINE LEARNING AND THEORETICAL INVESTIGATION OF 3D PRINTED LIGHTWEIGHT HYBRID COMPOSITES
15:00	INVITED TALK	S7-abs012	Emily Pentzer	DIRECT INK WRITE PRINTING OF AEROGELS FOR MITIGATING THERMAL RUNAWAY
15:30	Coffee Break			
15:50	PPC18 PHOTO (Jardín Corazón)			
16:10	POSTER SESSION			

WEDNESDAY, DECEMBER 6, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	INVITED TALK	S7-abs017	<b>Rigoberto Advincula</b>	3D/4D PRINTING OF HIGH-PERFORMANCE NANOCOMPOSITES AND AI/ML STRATEGIES
<b>11:00</b>	REGULAR TALK	S7-abs003	<b>Di Zhu</b>	NARINGIN: A NATURALLY OCCURRING FLAVONOID AS A PHOTOINITIATOR FOR 3D PRINTED ELECTRO-ACTIVE SOFT ROBOTICS
<b>11:20</b>	INVITED TALK	S7-abs005	<b>Yong Seok Kim</b>	POLYSULFIDE NETWORKS FOR SHAPE MORPHING APPLICATION
<b>11:50</b>	REGULAR TALK	S7-abs008	<b>Valentin Bobrin</b>	CUSTOMIZED NANOSTRUCTURED CERAMICS VIA MICROPHASE SEPARATION 3D PRINTING
<b>12:10</b>	REGULAR TALK	S7-abs023	<b>Diana Micare Ramírez López</b>	ANTIBACTERIAL AND COMPRESSIVE PROPERTIES OF 3D PRINTED PEEK/ZnO PROTOTYPES: THE ROLE OF ARGON PLASMA SURFACE MODIFICATION
<b>12:30</b>	REGULAR TALK	S7-abs025	<b>Hans Michael Petri</b>	TWIN SCREW EXTRUSION AND RHEOLOGICAL CHARACTERIZATION OF COMPOUNDS FOR 3D PRINTING - A VERY SHORT OVERVIEW
<b>12:30</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	S7-abs009	<b>Alex Elias-Zuniga</b>	A CONSTITUTIVE EQUATION TO MODEL THE FRACTAL BEHAVIOR OF 3D PRINTED ELASTOMERIC COMPONENT WITH BRACHISTOCHROME LATTICE STRUCTURE
<b>14:30</b>	INVITED TALK	S7-abs024	<b>Wonbong Choi</b>	3D PRINTED STRUCTURAL SENSORS AND BATTERIES
<b>15:00</b>	REGULAR TALK	S7-abs002	<b>Nathaniel Corrigan</b>	PHOTOINDUCED 3D PRINTING OF NANOSTRUCTURED POLYMER MATERIALS
<b>15:20</b>	REGULAR TALK	S7-abs019	<b>Thiago Ouriques Machado</b>	A CIRCULAR PHOTOPOLYMER RESIN FOR ADDITIVE MANUFACTURING
<b>15:40</b>	<b>Coffee Break</b>			
<b>15:50</b>	INVITED TALK	S7-abs001	<b>Sungmin Park</b>	SHAPE MEMORY VITRIMERS FOR SUSTAINABLE 4D PRINTING APPLICATIONS
<b>16:20</b>	REGULAR TALK	S7-abs007	<b>Taylor Ware</b>	4D PRINTING OF LIQUID CRYSTAL ELASTOMERS
<b>17:00</b>	REGULAR TALK	S7-abs006	<b>Edward Samulski</b>	BETTER PRINTING THROUGH CHEMISTRY

## S8. HYBRID POLYMERS, PROCESSING, (NANO)COMPOSITES (HPN)

ORAL SESSION - ROOM 5 (Amapola)

MONDAY, DECEMBER 4, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	INVITED TALK	S8-abs008	<b>Mark Dadmun</b>	ELUCIDATING THE ASSEMBLY OF POLYMER GRAFTED NANOPARTICLES NEAR AN ELECTRODE INTERFACE WITH VARYING POTENTIAL USING NEUTRON REFLECTIVITY
<b>11:00</b>	INVITED TALK	S8-abs001	<b>Jose Bonilla-Cruz</b>	INDUCED POLYMORPHISM BY FUNCTIONALIZED GRAPHENE IN NYLON ELECTROSPUNNE
<b>11:30</b>	INVITED TALK	S8-abs005	<b>Jaime Grunlan</b>	PROTECTIVE NANOCOMPOSITE COATINGS FROM POLYELECTROLYTES: FLAME RETARDANCY, SUPER GAS BARRIER, AND HEAT SHIELDING
<b>12:00</b>	INVITED TALK	S8-abs038	<b>Abbas S. Milani</b>	EMERGING AI-ASSISTED STRUCTURE-PROPERTY RELATIONSHIP MODELING IN ADVANCED POLYMER COMPOSITES: A MATERIALS INFORMATICS APPROACH
<b>12:30</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	S8-abs025	<b>Sanat Kumar</b>	NOVEL MIXED MATRIX POLYMER MEMBRANES FOR CRITICAL GAS SEPARATIONS
<b>14:30</b>	INVITED TALK	S8-abs030	<b>Erkan Senses</b>	NANOCOMPOSITES AND BLENDS WITH ARCHITECTURALLY COMPLEX POLYMERS
<b>15:00</b>	INVITED TALK	S8-abs039	<b>Emily Pentzer</b>	POLYMERIZATIONS IN EMULSIONS TO PREPARE COMPOSITES FOR ENERGY MANAGEMENT
<b>15:30</b>	<b>Coffee Break</b>			
<b>15:50</b>	REGULAR TALK	S8-abs002	<b>Antonio Martinez-Richa</b>	DEVELOPMENT OF NANOCOMPOSITE POLYURETHANE ULTRAFILTRATION MEMBRANES FOR SEPARATION OF ALBUMIN EGG PROTEIN

<b>16:10</b>	REGULAR TALK	S8-abs010	<b>Jessica S. Cabrera-González</b>	THREE-DIMENSIONAL NANOSTRUCTURED POLYVINYL ALCOHOL STRUCTURES WITH ZINC OXIDE PARTICLES FOR ANTIBACTERIAL APPLICATIONS
<b>16:30</b>	REGULAR TALK	S8-abs006	<b>Carlos Eduardo Aldape Galván</b>	SYNTHESIS OF A MATTING AGENT FROM DEGRADED PET BY AMINOLYSIS
<b>16:50</b>	REGULAR TALK	S8-abs028	<b>Luis David Arellano Gutierrez</b>	ELECTROCHEMICAL COMPARISON STUDY OF PANI AND PANI/rGO, PANI/Ag NPs COMPOSITES AS SENSOR

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
8:00	REGULAR TALK	S8-abs015	Yiming Yang	MICROPHASE SEPARATION REGULATION OF POLYURETHANE MODIFIED PHENOLIC RESIN AEROGEL TO ENHANCE MECHANICAL PROPERTIES AND THERMAL INSULATION.
8:20	REGULAR TALK	S8-abs004	Guadalupe Sanchez Olivares	LEATHER INDUSTRIAL WASTE AS SYNERGISTIC FIRE RETARDANT IN EVA POLYMER COMPOSITES
8:40	REGULAR TALK	S8-abs011	Antonio Ruiz Flores	DEVELOPMENT OF REDUCED GRAPHENE OXIDE/POLYVINYL ALCOHOL COMPOSITE FILMS FOR ENERGY STORAGE APPLICATIONS
9:00	INVITED TALK	S8-abs020	Pinar Akcora	ENHANCED ION CONDUCTIVITY IN POLY(IONIC LIQUID)-GRAFTED NANOPARTICLE-BASED SINGLE-ION CONDUCTORS: STRUCTURAL INSIGHT INTO ION TRANSPORT MECHANISMS
9:30	INVITED TALK	S8-abs040	Jennifer Laaser	IMPACTS OF SOFT LIGAND SHELLS ON NANOPARTICLE DIFFUSION IN POLYMERIC HYDROGELS
10:00	Coffee Break			
10:30	INVITED TALK	S8-abs007	Russell Composto	HIGH FILLER CONTENT POLYMER NANOCOMPOSITES WITH BICONTINUOUS STRUCTURES
11:00	REGULAR TALK	S8-abs031	Bruno Urbano	ENHANCING MECHANICAL PROPERTIES IN INJECTABLE NANOCOMPOSITE HYDROGELS THROUGH DYNAMIC COVALENT BONDING AT THE POLYMER-NANOPARTICLE INTERFACE
11:20	INVITED TALK	S8-abs035	Michael Hore	SIMULATION AND MEASUREMENT OF GRAFTED POLYMER DYNAMICS
11:50	INVITED TALK	S8-abs024	Dennis Smith	CARBON-CARBON COMPOSITES VIA ORTHO-DIYNYL ARENE (ODA) POLYMERIZATION AND SYNTHETIC METHODS TOWARDS VERSATILE SEMI-FLUORINATED AROMATIC ETHER POLYMERS
12:30	Lunch			

TUESDAY, DECEMBER 5, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
14:00	REGULAR TALK	S8-abs003	<b>Galder Kortaberria</b>	DISPERSING MODIFIED MAGNETIC NANOPARTICLES INTO NANOSTRUCTURED BLOCK COPOLYMERS FOR OBTAINING MAGNETIC HYBRID MATERIALS
14:20	REGULAR TALK	S8-abs013	<b>Denis Rodriguez</b>	SURFACE MODIFICATION OF BUCKWHEAT HUSK FOR HIGH DENSITY POLYETHYLENE BIOCOMPOSITES
14:40	REGULAR TALK	S8-abs016	<b>Junkal Gutierrez</b>	ELECTROSPINNING TECHNIQUE FOR THE DESIGN OF MULTIFUNCTIONAL HYBRID MEMBRANES BASED ON CELLULOSE ACETATE
15:00	REGULAR TALK	S8-abs032	<b>Edgar Corro Gonzalez</b>	DEVELOPMENT OF CORE-SHELL PARTICLES BASED ON CARBONYL IRON PARTICLES WRAPPED WITH CARBON NANOTUBES TO ENHANCE THE MECHANICAL AND RHEOLOGICAL RESPONSE OF MAGNETORHEOLOGICAL ELASTOM
15:30	<b>Coffee Break</b>			
15:50	<b>PPC18 PHOTO (Jardín Corazón)</b>			
16:10	<b>POSTER SESSION</b>			

**S9. POLYMER SURFACES, INTERFACES & COATINGS (PSI)**

**ORAL SESSION - ROOM 6 (Ceiba)**

**TUESDAY, DECEMBER 5, 2023**

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
14:00	INVITED TALK	Sg-abs020	<b>Peter Zarras</b>	POLY(2,5-BIS(N-METHYL-N-HEXYLAMINO)PHENYLENE VINYLENE (BAM-PPV) AS A DIRECT-TO-METAL PRIMER: SYNTHESIS, ADHESION AND CORROSION PROPERTIES
14:30	INVITED TALK	Sg-abs002	<b>Richard Spontak</b>	NANOENGINEERED POLYMER MEMBRANES FOR ENHANCED CARBON CAPTURE
15:00	INVITED TALK	Sg-abs019	<b>Michael Serpe</b>	SENSING, BIOSENSING, AND DRUG DELIVERY WITH MICROGEL-BASED MATERIALS
15:30	<b>Coffee Break</b>			
15:50	<b>PPC18 PHOTO (Jardín Corazón)</b>			
16:10	<b>POSTER SESSION</b>			

WEDNESDAY, DECEMBER 6, 2023				
TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
<b>10:00</b>	<b>Coffee Break</b>			
<b>10:30</b>	INVITED TALK	Sg-abs017	<b>Dora Iliana Medina</b>	TRIBORHEOLOGICAL STUDY OF SOLID-LIQUID SYSTEMS
<b>11:00</b>	REGULAR TALK	Sg-abs014	<b>Jose Victor Amador Noya</b>	EFFECT OF FILLERS ON THE RHEOLOGY BEHAVIOR GEL-COAT BASE POLYESTER INSATURATED RESIN
<b>11:20</b>	INVITED TALK	Sg-abs010	<b>Sung Park</b>	SPECTRO-NANOSCOPY OF SOFT MATTER INTERFACES VIA INFRARED PHOTO-INDUCED FORCE MICROSCOPY (IR PiFM)
<b>11:50</b>	REGULAR TALK	Sg-abs003	<b>Suzanne Giasson</b>	NANOSTRUCTURED MULTI-RESPONSIVE COATINGS FOR TUNING SURFACE PROPERTIES
<b>12:10</b>	REGULAR TALK	Sg-abs005	<b>Yurong Zhang</b>	ANTIMICROBIAL N-CARBOXYANHYDRIDE-DERIVED POLYPEPTIDE FUNCTIONALIZED SURFACES
<b>12:30</b>	<b>Lunch</b>			
<b>14:00</b>	INVITED TALK	Sg-abs021	<b>Marek Urban</b>	SELF-HEALABLE POLY(IONIC LIQUIDS) DRIVEN BY DIPOLAR AND IONIC INTERACTIONS
<b>14:30</b>	INVITED TALK	Sg-abs023	<b>Ying Yang</b>	DITHIOACETAL-BASED DYNAMIC POLYMERS AND THEIR APPLICATIONS IN DEBONDABLE ADHESIVES
<b>15:00</b>	INVITED TALK	Sg-abs024	<b>John Texter</b>	POLYMERIZED IONIC LIQUID-STABILIZED 2D-NANOSTRUCTURED CARBONS FOR ELECTRODES AND COATINGS BY ELECTROSPINNING
<b>15:00</b>	<b>Coffee Break</b>			
<b>15:50</b>	REGULAR TALK	Sg-abs012	<b>Sergio Mancillas Salas</b>	SURFACE MODIFICATION OF ZrO <sub>2</sub> NPs WITH ULTRASOUND AND ORGANIC ACIDS FOR APPLICATIONS IN MARINE COATINGS



## S10. TECHNICAL SESSION: POLYMERS FOR DEFENSE APPLICATIONS (PD)

ORAL SESSION - ROOM 5 (Amapola)

WEDNESDAY, DECEMBER 6, 2023

TIME	PRESENTATION	ABSTRACT ID	PRESENTING AUTHOR	TITLE
10:00	Coffee Break			
10:30	INVITED TALK	S10-abs007	Arturo Ayon	BASIC SCIENCE FUNDING MECHANISMS OFFERED BY THE US OFFICE OF NAVAL RESEARCH GLOBAL
11:00	INVITED TALK	S10-abs004	Jason Azoulay	INFRARED PHOTODETECTION USING NARROW BANDGAP CONJUGATED POLYMERS
11:30	REGULAR TALK	S10-abs009	Edgar Homero Ramirez-Soria	SUPER-ANTICORROSIVE NANOCOMPOSITES BASED ON FUNCTIONALIZED GRAPHENE OXIDE/EPOXY RESIN.
11:50	REGULAR TALK	S10-abs003	Brian Melde	TOPCOATS FOR IMPROVED DECONTAMINATION OF PAINTED SURFACES
12:10	INVITED TALK	S10-abs001	Jessica Cash	ENHANCING POLYSILOXANE BORON NITRIDE COMPATIBILITY THROUGH POLYMER MODIFICATION
12:30	Lunch			
14:00	INVITED TALK	S10-abs010	Bill Nickerson	OFFICE OF NAVAL RESEARCH: AERO STRUCTURES AND MATERIALS PROGRAM - INVESTMENTS IN ADVANCED COMPOSITE MATERIALS
14:30	INVITED TALK	S10-abs006	Moira Lauer	DITHIOCARBAMATE CATALYSTS IN INVERSE VULCANIZATION REACTIONS: ACCESSING ANIONIC SULFUR POLYMERIZATIONS
15:00	INVITED TALK	S10-abs002	Robert Lambeth	POLYMER CHEMISTRY FOR THE SOLDIER
15:30	Coffee Break			
15:50	INVITED TALK	S10-abs005	Lawrence Drummy	HYPERUNIFORM STRUCTURE IN POLYMER-GRAFTED NANOPARTICLE ASSEMBLIES
16:20	INVITED TALK	S10-abs008	Joseph Melinger	PROGRAMMABLE DNA TEMPLATED DYE MOLECULE NETWORKS AS NANOSCALE OPTICAL MATERIALS



THE 18TH PACIFIC  
POLYMER CONFERENCE

POSTER  
SESSION



## POSTER SESSION

S1. POLYMER SYNTHESIS (PS)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S1-abs015	<b>Ilse Magaña Rivera</b>	SYNTHESIS OF HIGH-IMPACT POLYSTYRENE USING PARTIALLY BIOBASED COPOLYMER AS IMPACT PRECURSOR AND ITS MECHANICAL PERFORMANCE
S1-abs016	<b>Maria Fernanda Ibarra Vázquez</b>	SYNTHESIS AND CHARACTERIZATION OF ZINC COMPLEXES FOR RING-OPENING POLYMERIZATION
S1-abs026	<b>Victor Antonio Orozco Noriega</b>	SYNTHESIS OF STAR-SHAPED S <sub>6</sub> (PLA- <i>b</i> -PHEA)- <i>g</i> -PNVCL WELL DEFINED AMPHIPHILIC COPOLYMER
S1-abs034	<b>Risa Fujita</b>	CATIONIC POLYMERIZATION OF UNPROTECTED VINYL CATECHOL
S1-abs035	<b>Satoshi Sakai</b>	CONTROLLED/LIVING CLICK POLYMERIZATION OF AZIDE-ALKYNE AB MONOMERS WITH ALKYNE-INITIATOR
S1-abs039	<b>Gabriela Ramos</b>	SYNTHESIS OF DEAEEMA/TBMA-co-PEGMA NANOGELS WITH INTRINSIC FLUORESCENCE FOR CANCER THERANOSTICS
S1-abs049	<b>Jose Alejandro Mares Baez</b>	SYNTHESIS OF HYDROGELS FROM DEEP EUTECTIC MONOMERS
S1-abs046	<b>Melisa Trejo-Maldonado</b>	SINGLE UNIT MONOMER INSERTION (SUMI) BY AMINOXYL RADICALS.
S1-abs041	<b>Yalan (Christie) Ning</b>	RING-OPENING POLYMERIZATION BY SALEN IRON(III) COMPLEXES
S1-abs042	<b>Esther Treviño</b>	SYNTHESIS OF ACRYLIC NANOPARTICLES LOADED WITH CURCUMIN

S2. POLYMER PHYSICS AND CHARACTERIZATION (PPC)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S2-abs002	<b>Lourdes Adriana Pérez Carrillo</b>	DRUG DELIVERY OF CHITOSAN/N-ISOPROPYLACRYLAMIDE NANOGELS
S2-abs020	<b>José Luis Gadea Pacheco</b>	EQUILIBRIUM AND SWELLING KINETICS IN CHEMICALLY CROSSLINKED PEG/PVA HYDROGELS
S2-abs022	<b>Alejandro Aguilar Ramirez</b>	PHYSICOCHEMICAL AND RHEOLOGICAL CHARACTERIZATION OF POLY (PROPYLENE OXIDE)-POLY (ETHYLENE OXIDE)-POLY (PROPYLENE OXIDE) TRIBLOCK COPOLYMER IN WATER
S2-abs026	<b>Raul Ortega Cordova</b>	PHYSICOCHEMICAL AND RHEOLOGICAL CHARACTERIZATION OF PVP SOLUTIONS IN A DEEP EUTECTIC SOLVENT OF CHOLINE CHLORIDE AND UREA
S2-abs028	<b>Melissa Laura Medina Naranjo</b>	HYDROGELS BASED ON CHITOSAN/PAA AS A DYE REMOVAL SYSTEM.
S2-abs030	<b>Claudia Georgina Ramírez Mendoza</b>	ELECTROSPUN MEMBRANES BASED ON POLYLACTIC ACID COATED WITH POLYPYRROLE AS A BIOSENSOR APPLICATION FOR CHOLESTEROL DETECTION
S2-abs031	<b>Maria de Guadalupe Ibarra Palomares</b>	DESCRIPTION OF CONTAMINANTS IN BLENDS WITH A HIGH PROPORTION OF POLYETHYLENE TEREPHTHALATE AFTER THE REVALORIZATION PROCESS
S2-abs032	<b>Maria Monica Castillo-Ortega</b>	PREPARATION AND CHARACTERIZATION OF MEMBRANES WITH APPLICATION IN THE HYDROGEN PEROXIDE DETECTION
S2-abs037	<b>Barbara Isabel Farias Mancilla</b>	STIMULI-RESPONSIVE ASYMMETRIC COPOLYMERS: EFFECT OF MONOMER DISTRIBUTION ON THE SELF-ASSEMBLY
S2-abs039	<b>Diana Zhang</b>	EFFECT OF DMF COSOLVENT ADDITION ON AQUEOUS PNIPAM SOLUTION EXTENSIONAL RHEOLOGY

S3. BIOPOLYMERS (BP)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S3-abs006	<b>Ximena Lopez Lorenzo</b>	WHOLE-CELL MEDIATED CARBOXYLATION OF 2-FUROIC ACID TOWARDS THE PRODUCTION OF RENEWABLE PLATFORM CHEMICALS AND BIOMATERIALS
S3-abs008	<b>Giancarlo Celis-Moreno</b>	MEASUREMENT OF MOLECULAR WEIGHT OF CELLULOSES OBTAINED FROM BIOREFINERY PROCESS. A PROPOSAL FROM THE MARK-HOUWINK-SAKURADA EQUATION TO STATISTICAL MOLECULAR WEIGHT DISTRIBUTION CURVES
S3-abs010	<b>Isleidy de la Caridad Ruiz Perez</b>	HYDROGELS BASED ON NATURAL POLYMERS THAT FAVOR THE WOUND HEALING PROCESS
S3-abs011	<b>Luisbel Gonzalez Perez de Medina</b>	COLLAGEN-BASED HYDROGELS FUNCTIONALIZED WITH REDUCED GRAPHENE OXIDE AS WOUND DRESSINGS
S3-abs012	<b>Hermelinda Salgado-Ceballos</b>	EVALUATION OF THE IN-VITRO TOXICITY OF PLASMA-SYNTHEZED POLYPYRROLE MEDICAL DEVICE FOR USE AS AN IMPLANT AFTER TRAUMATIC SPINAL CORD INJURY
S3-abs016	<b>Itzel Fabiola Franco Jacobo</b>	MODIFICACIÓN DE LA FIBRA DE PINO CON TOLUEN DIISOCIANATO-POLIPROPILENGLICOL (PPG/TDI) PARA ELABORAR COMPOSITOS DE POLI ÁCIDO LÁCTICO.
S3-abs020	<b>Estefanía Domínguez Fonseca</b>	STRATEGIES FOR CATIONIC FUNCTIONALIZATION OF POLYSACCHARIDES AS POTENTIAL CARRIERS FOR ANIONIC BIOMACROMOLECULES
S3-abs023	<b>Jose Ulloa</b>	DEVELOPMENT AND CHARACTERIZATION OF BIODEGRADABLE SUPERABSORBENT POLYMERS FOR ENHANCED WATER RETENTION AND REDUCED IRRIGATION IN AGRICULTURE
S3-abs026	<b>Alberto Rivera Parra</b>	DETERMINATION AND RHEOLOGICAL CHARACTERIZATION OF BINARY AND TERNARY PHASE DIAGRAMS FROM CHITOSAN, ALGINATE, AND TYPE A GELATIN
S3-abs027	<b>Nelson Jiménez Reyes</b>	EXPERIMENTAL STUDY OF EMULSION POLYMERIZATION OF $\beta$ -FARNESENE-GMA VIA CONVENTIONAL FREE RADICAL MECHANISM
S3-abs028	<b>Brianda Maria Salazar Salas</b>	NOVEL HYDROGELS BASED ON CHONDROITIN SULFATE AND POLYDOPAMINE FOR BIOMEDICAL APPLICATIONS

S3. BIOPOLYMERS (BP)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S3-abs030	<b>Jessica Araceli Mares Elizondo</b>	BIODEGRADABLE BIOPLASTIC MADE FROM CORN STARCH
S3-abs036	<b>Evan Stacy</b>	PEPTIDE-DECORATED BLOCK COPOLYMERS FOR THE TARGETED DELIVERY OF MRNA FOR CANCER THERAPEUTICS
S3-abs037	<b>Penelope Jankoski</b>	SPRAY DELIVERY OF BIOACTIVE SUPRAMOLECULAR POLYMERS TO PROMOTE SKIN REGENERATION
S3-abs038	<b>Erick Omar Cisneros Lopez</b>	EFFECT OF THERMAL ANNEALING ON THE CRYSTALLINITY AND MECHANICAL PROPERTIES OF ROTOMOLDED POLY(LACTIC ACID) AND NATURAL FIBER COMPOSITES
S3-abs049	<b>Laura Alvarez-Mejia</b>	POLYALLYLAMINE-IODINE AND PHYSICAL REHABILITATION, THERAPEUTIC STRATEGIES IN TRAUMATIC SPINAL CORD INJURIES
S3-abs050	<b>Pedro Daniel Gonzalez Gonzalez</b>	COMPARATIVE STUDY ON THE USE OF DIFFERENT NATURAL FIBERS FOR THE PREPARATION OF COMPOSITE MATERIALS VIA ROTATIONAL MOLDING
S3-abs055	<b>Zaira Garcia Carvajal</b>	2D HYDROGELS BASED ON CHITOSAN (CS)/GELATIN (GEL)/PVA AS PLATFORMS FOR MAMMALIAN CELL CULTURE
S3-abs057	<b>Rafael G. Araújo</b>	ENHANCING PECTIN EXTRACTION FROM ORANGE PEEL THROUGH CITRIC ACID-ASSISTED OPTIMIZATION BASED ON A DUAL RESPONSE
S3-abs058	<b>Bernardo David Garibaldi</b>	USE OF BIOBASED ADDITIVES AS GREEN TOUGHNESS MODIFIERS FOR BIOCOMPOSITES BASED ON POLY(LACTIC ACID)
S3-abs059	<b>Dora Evelia Rodríguez Félix</b>	SYNTHESIS AND CHARACTERIZATION OF CHEMICAL HYDROGELS OF GELLAN GUM CROSSLINKED WITH UREA, WITH POTENTIAL APPLICATION IN THE CONTROLLED RELEASE OF DRUGS
S3-abs060	<b>Manpreet Kaur</b>	SYNTHESIS AND CHARACTERIZATION OF POLYMERIC NANOPARTICLES FOR IN VIVO DRUG DELIVERY
S3-abs061	<b>Bernardo David Orozco Nieves</b>	USE OF SPENT COFFEE GROUNDS AS A REINFORCEMENT OF SUSTAINABLE POLY(LACTIC ACID) BIOCOMPOSITES

S3. BIOPOLYMERS (BP)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S3-abs062	<b>Carmen L. Zegarra-Urquia</b>	IMMERSION OF CHITOSAN-FATTY ACID MICELLES IN BIODEGRADABLE POLYMER GELS BASED ON POLYASPARTIC ACID
S3-abs064	<b>Juan José Martínez Rosas</b>	EFFECTS OF HYDROXYAPATITE ON MECHANICAL PROPERTIES OF POLY(LACTIC ACID) BIOCOMPOSITES FOR BIOMEDICAL APPLICATIONS
S3-abs065	<b>Isleidy de la Caridad Ruíz Pérez</b>	SÍNTESIS DE UN HIDROGEL DE QUITOSANO-PLURONIC F127-ÓXIDO DE GRAFENO REDUCIDA PARA SER USADO COMO APOSITO.
S3-abs067	<b>Ashanti Montes Ramírez</b>	DESIGN OF CHITOSAN/GELATIN-BASED DRESSINGS FOR THE TREATMENT OF BURNS
S3-abs068	<b>Josué Rivera Aguilera</b>	EFFECT OF THERMAL ANNEALING ON THE CRYSTALLINITY AND MECHANICAL PROPERTIES OF ROTOMOLDED POLY(LACTIC ACID) AND NATURAL FIBER COMPOSITES
S3-abs070	<b>Luis Felipe Montes Guevara</b>	USE OF BIOBASED ADDITIVES TO IMPROVE COST AND MECHANICAL PERFORMANCE OF BIOCOMPOSITES BASED ON CELLULOSE ACETATE BUTYRATE
S3-abs071	<b>Elizabeth M. Albineda Cano</b>	SYNTHESIS AND CHARACTERIZATION OF PLA/CHITOSAN/ZnO NON-WOVEN FIBERS AND PROPERTIES EVALUATION
S3-abs072	<b>Eric Martin García Andrade</b>	ENHANCING THE MECHANICAL PROPERTIES OF CELLULOSE ACETATE BUTYRATE-AGAVE FIBER BIOCOMPOSITES USING AN EPOXY FUNCTIONAL CHAIN EXTENDER.
S3-abs074	<b>Giovani Josué Hernández Mendoza</b>	SUSTAINABLE HYBRID BIOCOMPOSITES BASED ON LIGNOCELLULOSIC WASTE FROM THE BEVERAGE INDUSTRY IN MEXICO
S3-abs076	<b>Fatima Flores Moran</b>	EPOXIDIZED SOYBEAN OIL AS A GREEN PLASTICIZER FOR BIOCOMPOSITES BASED ON CELLULOSE ACETATE BUTYRATE
S3-abs077	<b>Erin Tsai</b>	EXPLORING THE EFFECT OF CHARGE PATTERNING IN THE DYNAMIC SELF-ASSEMBLIES OF BINARY MIXTURES OF SEQUENCE-DEFINED POLYPEPTOID OLIGOMERS IN AQUEOUS SOLUTION

S3. BIOPOLYMERS (BP)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S3-abs079	<b>Daniel Alcalá Sánchez</b>	BIODEGRADABLE GEOTEXTILES: ANALYSIS OF A POLYMERIZATION SYSTEM TO OBTAIN TERPOLYMERS WITH BIODEGRADABLE PROPERTIES
S3-abs080	<b>Bryan Giovanni Martínez Bernal</b>	KINETIC DECOMPOSITION OF FOAMING AGENT IN A BIOCOMPOSITE USING A CAPILLARY RHEOMETER.
S3-abs081	<b>María del Rosario Mejía Cuero</b>	COMPARISON OF MORPHOLOGICAL, STRUCTURAL AND MECHANICAL PROPERTIES OF BIOMEMBRANES BASED ON CHICKPEA ( <i>Cicer Arietinum</i> ), CHILACAYOTE ( <i>Cucurbita Ficifolia</i> ), DRIED BEANS ( <i>Vicia faba</i> ) AND CHALAHUITE ( <i>Inga Vera</i> )
S3-abs082	<b>Andres Uriel Espadín Dávila</b>	OBTAINING AND CHARACTERIZATION OF A COMPOSITE OF CURCUMBITA FICIFOLIA STARCH AND ALOE BARBADENSIS MILLER WITH ANTIMICROBIAL ACTIVITY
S3-abs084	<b>Alejandra Davila</b>	SYNTHESIS OF IODINATED CHITOSAN NANOPARTICLES COMPLEXES WITH ANTIMICROBIAL ACTIVITY AGAINST <i>S. AUREUS</i> , <i>E. COLI</i> AND <i>A. NIGER</i>
S3-abs086	<b>Fidela Xochitlquetzal Báez Fernández</b>	HYBRID POROUS SILICON/CHITOSAN MICROCARRIERS FOR DUAL THERAPY OF PAIN - INFLAMMATION.
S3-abs087	<b>Orlando Daniel de la Rosa Flores</b>	FORMULATION AND DEVELOPMENT OF CHITOSAN-BASED HYDROGELS AS A POTENTIAL TOOL FOR WASTEWATER-BASED EPIDEMIOLOGY
S3-abs088	<b>José Angel Mendoza Cruz</b>	STUDY OF OBTAINING, SEPARATION AND CHARACTERIZATION OF DEXTRAN FROM THE FERMENTATION OF AGAVE SP EXTRACT
S3-abs089	<b>Othmar Jooshen Aguilar Bautista</b>	PREPARATION AND CHARACTERIZATION OF FILMS BASED ON POLYSACCHARIDES ISOLATED FROM BREWER'S SPENT GRAIN; EFFECT OF GLYCEROL, SORBITOL, ETHYLENEDIAMINE AND MONOETHYLENE GLYCOL AS PLASTICIZER
S3-abs090	<b>Ivan Estrada-Moreno</b>	ENHANCING BIODEGRADABLE PLA/NATURAL WAX COMPOSITES WITH ZNO NANOPARTICLES: EFFECTS OF SILANE FUNCTIONALIZATION AND COMPATIBILITY



S4. POLYMER MATERIALS FOR ADVANCED TECHNOLOGIES (PMAT)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S4-abs001	<b>Hyun Gi Kim</b>	FABRICATION OF TWO-COLOR WHITE FLEXIBLE OLEDs BASED ON THE HALIDE PEROVSKITE-POLYMER COMPOSITES
S4-abs003	<b>Hyun Gi Kim</b>	FABRICATION OF HIGH-EFFICIENCY FLEXIBLE QUASI-2D PEROVSKITE LIGHT-EMITTING DIODES BASED ON SOLUTION PROCESS VIA POST-TREATMENT OF PEROVSKITE SURFACE DEFECTS
S4-abs006	<b>Amnahir Pena-Alcantara</b>	FILM FORMATION PROCESS IN CONJUGATED POLYMER/ ELASTOMER BLENDS
S4-abs011	<b>Daniel Alejandro Gonzalez-Palafox</b>	NOVEL SEMI-INTERPENETRATING NETWORKS BASED ON POLY(N-ISOPROPYLACRYLAMIDE) AND KARAYA GUM FOR CONTROLLED RELEASE OF LIDOCAINE IN CONDITIONS OF SHORT OR LONG-TERM ANALGESIA
S4-abs018	<b>Mengnan Zhang</b>	BIOMIMETIC ELECTRONIC SKIN THROUGH HIERARCHICAL POLYMER STRUCTURAL DESIGN
S4-abs021	<b>Motoki Ueda</b>	NANODISK FORMED BY AMPHIPHILIC POLYPEPTIDE AND PHOSPHOLIPID
S4-abs027	<b>Junya Uchida</b>	DEVELOPMENT OF NANOSTRUCTURED LIQUID-CRYSTALLINE MATERIALS BASED ON RIGID SUPRAMOLECULAR POLYMERS
S4-abs028	<b>Harrison Reid</b>	SYNTHESIS AND MATERIALS APPLICATIONS OF CYCLOPARAPHENYLENE-BASED CONJUGATED POLYMERS
S4-abs033	<b>Angela E. Peña-Barrientos</b>	HNBR-DERIVED COMPOSITE MATERIALS WITH IONIC CONDUCTION WITH POTENTIAL APPLICATION TOWARDS LITHIUM BATTERIES
S4-abs034	<b>Luis Daniel Malagon Osornio</b>	DEVELOPMENT OF POLYMERIC NANOCOMPOSITES FROM ALIPHATIC POLYESTERS AND THERMAL-CONDUCTIVE NANOFILLERS
S4-abs037	<b>Albanelly Soto Quintero</b>	MULTIVALENT ANION EXCHANGE RESINS BASED ON POROUS POLYSTYRENE WITH ENHANCED ABSORPTION CAPACITY VIA ADDING SULFONATED POLYDOPAMINE FOR ARSENIC REMOVAL AND WATER SOFTENING

S5. POLYMERS FOR ENERGY AND ENVIRONMENT (PE)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S5-abs001	<b>Suhan Kim</b>	SYNGAS PRODUCTION USING ATMOSPHERIC NON-THERMAL PLASMA FROM PYROLYSIS OIL FROM PLASTICS
S5-abs007	<b>Youngjae Yoo</b>	FLEXIBLE AND FULLY ORGANIC BIODEGRADABLE EMITTERS FOR ZERO-ENERGY COOLING APPLICATION
S5-abs008	<b>Byung-Il Choi</b>	QUANTITATIVE EVALUATION OF GREENHOUSE GAS REDUCTION THROUGH LIFE CYCLE ASSESSMENT(LCA) OF PASSIVE RADIATIVE COOLING COATING MATERIALS
S5-abs016	<b>Maria Ortencia González Diaz</b>	ASYMMETRIC MEMBRANES FOR WATER PURIFICATION OBTAINED FROM WASTE EXPANDED POLYSTYRENE
S5-abs019	<b>Ernesto Sánchez</b>	SYNTHESIS AND CHARACTERIZATION OF NOVEL ETHER-BOND-FREE ARYL BACKBONE POLYMERS FOR APPLICATION AS ANION EXCHANGE MEMBRANES.
S5-abs020	<b>Juan Arturo Ramirez Arredondo</b>	BIODEGRADATION OF POLYMERS BY MICROBIAL MEANS
S5-abs022	<b>José Ramón Flores León</b>	DEPOSITION OF POLYPYRROLE AND POLYANILINE PARTICLES ON EXTRUDED PLA FILMS FOR EFFICIENT HEXAVALENT CHROMIUM REMOVAL
S5-abs023	<b>Miriam Garcia</b>	HEAVY METAL REMOVAL USING CELLULOSE OBTAINED FROM LIGNOCELLULOSIC WASTE, MODIFIED VIA ATRP INSERTION
S5-abs025	<b>Jesus Alejandro Rios Arce</b>	PREPARATION AND CHARACTERIZATION OF EXTRUDED PLA-CHITOSAN FILMS COATED WITH POLYANILINE FOR THE REMOVAL OF HEXAVALENT CHROMIUM IN AQUEOUS SOLUTION.
S5-abs026	<b>Gabriela Olivia Casillas Calzadilla</b>	STUDY OF DEPOLYMERIZATION VIA METATHESIS OF NATURAL RUBBER (Hevea brasiliensis) USING AN ASYMMETRIC FUNCTIONALIZED OLEFIN AS CHAIN TRANSFER AGENT

S5. POLYMERS FOR ENERGY AND ENVIRONMENT (PE)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S5-abs027	<b>Carla Aguilar Lugo</b>	CARBON MOLECULAR SIEVE MEMBRANES BASED ON FLUORINATED POLYBENZIMIDAZOLE
S5-abs030	<b>Bonifacio Alvarado-Tenorio</b>	PHOTOCATALYTIC COATING BASED ON HYBRID CROSS-LINKED ACRYLATE/TiO <sub>2</sub> NANOCOMPOSITE FOR THE DEGRADATION OF ORGANIC POLLUTANTS IN WATER
S5-abs032	<b>Satomi Tanaka</b>	STUDY ON RECOVERY OF METAL IONS FROM CHELATED FIBERS SUBSTITUTED WITH AMIDINOUREA
S5-abs033	<b>José Adrián Torres López</b>	SYNTHESIS OF GEOPOLYMERS USING SUGARCANE BAGASSE ASH: A BREAKTHROUGH IN SUSTAINABLE MATERIALS.
S5-abs036	<b>Ana Daymi Cabrera González</b>	PREPARATION OF POLYMERIC FILMS POLY (LACTIC ACID) COATED WITH POLYANILINE, WITH POTENTIAL APPLICATION IN ADSORPTION SYSTEMS OF THE HERBICIDE 2,4-DICHLOROPHENOXYACETIC ACID PRESENT IN AQUEOUS SOLUTION.
S5-abs039	<b>Jesús Manuel Quiroz Castillo</b>	PREPARATION AND CHARACTERIZATION OF POLY(LACTIC ACID) MEMBRANES COATED WITH POLYANILINE FOR POTENTIAL USE IN HERBICIDE REMOVAL IN WATER.
S5-abs040	<b>María del Rosario Mejía Cuero</b>	CHEMICAL INTERACTION AND ELECTROMAGNETIC ABSORPTION OF BEAN SEED AMYLOPECTIN BIOFILM (VICIA FABIA) FUNCTIONALIZED WITH Cu-Ag NANOSPHERES.

## S7. 3D/4D PRINTING OF POLYMERS &amp; COMPOSITE MATERIALS (3DP)

ABSTRACT ID	PRESENTING AUTHOR	TITLE
S7-abs010	<b>Jorge Daniel Inga Lafebre</b>	CHEMICAL MODIFICATION OF SUGARCANE BAGASSE FOR THE PRODUCTION OF COMPOSITE MATERIALS WITH RECYCLED HIGH-DENSITY POLYETHYLENE
S7-abs013	<b>Emmanuel Cortes-Roos</b>	3D PRINTED NANOCELLULOSE TEMPLATES FOR GROWING ZnO AND THEIR USE IN PHOTOCATALYTIC AND WATER DECONTAMINATION APPLICATIONS
S7-abs015	<b>Edgar Homero Ramirez-Soria</b>	IMPROVING THERMOMECHANICAL PROPERTIES OF DLP 3D-PRINTED COMPOSITES, USING PHOSPHATE FUNCTIONALIZED GRAPHENE AT ULTRALOW LOADINGS.
S7-abs016	<b>Julian Felipe Herrera Sanabria</b>	BIO-INSPIRED 3D PRINTED DESIGNS FOR FOG HARVESTING
S7-abs018	<b>Manuel-Alejandro Ávila-López</b>	EVALUATION OF 3D PRINTED SUSTAINABLE BIOFILTERS AS EFFICIENT MATERIALS TO CAPTURE ATMOSPHERIC PARTICLES IN THE AIR
S7-abs020	<b>Sergio Antonio Gonzalez Ortiz</b>	TAILORED COMPOSITES BASED ON GRAPHENE OXIDE-Au NANOHYBRIDS AND POLYACRYLATE COPOLYMERS: ENABLING 3D PRINTED MULTIFUNCTIONAL PROTOTYPES
S7-abs021	<b>Jael A. Briones Magallanes</b>	INTO THE EFFECT OF CROSSLINKER AGENT IN THE SHAPE MEMORY RESPONSE OF 3D PRINTED PHOTOLUMINISCENT BIO-SPONGES
S7-abs022	<b>Armando Edgar Castillo</b>	PEG-PNIPAM THERMORESPONSIVE COPOLYMERS BY DLP AQUEOUS 3D PRINTING.
S7-abs026	<b>Aimee Josselyn Montoya Montiel</b>	OBTAINING SUSTAINABLE BIOFILTERS FROM MEXICAN NATIVE BIOMASSES RESIDUES TO CAPTURE PARTICULATE MATTER (PM) OF AIR: A COMPARATIVE STUDY BETWEEN 3D PRINTING AND CONVENTIONAL METHODS.

S8. HYBRID POLYMERS, PROCESSING, (NANO)COMPOSITES (HPN)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S8-abs009	<b>Samanta Alemán</b>	SYNTHESIS OF AROMATIC BLOCK COPOLYMERS FOR APPLICATION AS MIXED MATRIX MEMBRANES
S8-abs012	<b>Hugo Hernández Martínez</b>	MIXED MATRIX MEMBRANES BASED ON AROMATIC COPOLYMERS FOR GAS SEPARATION APPLICATIONS
S8-abs014	<b>Juan José Mendoza Villafaña</b>	SYNTHESIS OF NYLON 6-F-SWCNT NANOCOMPOSITES VIA SURFACE-INITIATED POLYMERIZATION THROUGH AROP: VALIDATION OF THE SEQUENTIAL 'GRAFTING FROM' STRATEGY
S8-abs018	<b>Irela Santos Saucedo</b>	BIOHYDROGELS WITH HYDROXYAPATITE-WOLLASTONITE FOR POSSIBLE APPLICATIONS IN TISSUE ENGINEERING
S8-abs021	<b>Roberto Carlos Pacheco González</b>	SYNTHESIS AND CHARACTERIZATION OF NANOCOMPOSITES BASED ON CELLULOSE ACETATE BUTYRATE AND GRAPHENE OXIDE
S8-abs022	<b>Erick Osvaldo Haro Sáenz</b>	MECHANICAL PROPERTIES OF POLY(LACTIC ACID) BIOCOSITES REINFORCED WITH NANOSTRUCTURED MONTMORILLONITE
S8-abs023	<b>Maidelys González</b>	PROCESSING OF POLYLACTIC ACID WITH LIGNOCELLULOSE NANOFIBERS. USING POLYETHYLENE GLYCOL AS A CARRIER.
S8-abs026	<b>Antonio Martinez-Richa</b>	RECENT ADVANCES IN THE SYNTHESIS AND CHARACTERIZATION OF BIODEGRADABLE POLYURETHANES AND THEIR NANOCOMPOSITES OBTAINED BY CHEMO-ENZYMATIC METHODS
S8-abs027	<b>Israel Dávila Pérez</b>	PROCESSING AND EVALUATION OF NEW TERPOLYMERS IN A WET SPINNING SYSTEM TO ACHIEVE CARBON FIBER PRECURSORS
S8-abs029	<b>Manuel Burelo</b>	DEVELOPMENT OF BIO-BASED POLYMER COMPOSITES USING PLA AND AGRO-INDUSTRIAL RESIDUES
S8-abs033	<b>Riki Kato</b>	THERMOTROPIC LIQUID-CRYSTALLINE MATERIALS OF ORGANIC/INORGANIC HYBRIDS

S8. HYBRID POLYMERS, PROCESSING, (NANO)COMPOSITES (HPN)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
S8-abs034	<b>Diana Karen Serena Carapia</b>	MECHANICAL AND ANTIMICROBIAL PROPERTIES OF SILVER NANOPARTICLES REINFORCED COMPOSITES APPLIED TO POST-ORTHODONTIC GUARDS
S8-abs036	<b>Daniel Alcalá Sánchez</b>	EPOXY MATRIX COMPOSITE MATERIALS REINFORCED WITH STABILIZED FIBER: MECHANICAL EVALUATION
S8-abs037	<b>Annet Rangel Martinez</b>	ANTIMICROBIAL PROPERTIES OF THE BIOPOLIVICIA/Ag-CuO NANOCOMPOSITE
S8-abs039	<b>Jose Alfredo Tenorio López</b>	APPLICATION OF NITROXIDE-MEDIATED POLYMERIZATION SYNTHESIZED COPOLYMERS AS CHAIN EXTENDER OF RECYCLED POLY(LACTIC ACID) BIOPOLYMER BY REACTIVE EXTRUSION

Sg. POLYMER SURFACES, INTERFACES & COATINGS (PSI)		
ABSTRACT ID	PRESENTING AUTHOR	TITLE
Sg-abs006	<b>Sebastian Garcia Gonzalez</b>	ELECTRICAL PROPERTIES OF (Ch-AuNPs/SWCNTs/ACRYLAMIDE-ACRYLIC ACID COPOLYMER FILMS.
Sg-abs009	<b>Juan Fernando García Flores</b>	Ch-AuNPs/SWCNT-COOH NANOSTRUCTURES WITH SEMICONDUCTOR PROPERTIES DEPOSITED ON PMMA.
Sg-abs011	<b>Iván Toledo Manuel</b>	SURFACE MODIFICATION OF ZnO NPs FOR USE IN ACRYLIC RESINS AS A COATING AGAINST BIOINCRUSTATION.
Sg-abs013	<b>Leticia Castillo Santos</b>	SMART NANOCONTAINERS BASED ON PICKERING EMULSIONS FOR 1000 SERIES ALUMINUM CORROSION PROTECTIVE COATINGS WITH 8-HYDROXYQUINOLINE AS INHIBITOR
Sg-abs016	<b>Susy Piñón Solís</b>	ENCAPSULATION OF 2-MERCAPTOBENZOTHAZOLE IN POLYMERIC NANOCONTAINERS AND ITS APPLICATION IN WATER-BASED ANTICORROSIVE COATINGS
Sg-abs018	<b>Seungyun Jo</b>	SYMMETRY-BREAKING NATURE OF SOFT GYROID LATTICES IN SOLVENT-VAPOR-ANNEALED BLOCK COPOLYMER FILMS
Sg-abs022	<b>Maria Eugenia Soriano Velasco</b>	SURFACTANTS FROM ESTERIFIED AGAVE-TEQUILA FRUCTANS



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