

**conference**series.com

20<sup>th</sup> International Conference and Exhibition on

# Materials Science and Chemistry

April 25-26, 2022 | Barcelona, Spain



**S C I E N T I F I C P R O G R A M**

08:30-09:00 Registrations

09:00-09:30 Introduction

09:30-09:50 COFFEE BREAK

09:50-11:50  
Meeting Hall 01 **KEYNOTE LECTURES**

	MEETING HALL 01	MEETING HALL 02
11:50-13:10	Talks On: Smart Material Science	Talks On: Chemical Engineering
	Applications of smart materials	Biocatalysis
	Smart polymers	Nanobiomaterials for Biosensing
	Optical & electronic smart materials	Chemical polymer technology

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

	MEETING HALL 01	MEETING HALL 02
14:00-16:00	Talks On: Industrial Applications of Crystallization	Talks On: Carbon Nanostructures and Graphene
	Crystallization	Amorphous carbon
	Nucleation	Pyrolytic graphite
	Crystal growth	Nanoparticles-based substrates
	Molecular level solid structure	Polymer/carbon composites

16:00-16:20 COFFEE BREAK

**MEETING HALL 01 (16:20-17:00)**

Young Researchers in  
Materials Science and Chemistry

09:00-10:30  
Meeting Hall 01**KEYNOTE LECTURES**10:30-10:50 **COFFEE BREAK**

	MEETING HALL 01	MEETING HALL 02
10:50-12:50	<b>Talks On: Tissue Engineering</b>	<b>Talks On: Nano pharmaceuticals</b>
	3D Bioprinting of Tissues	Nanosuspension
	Application of Tissue Engineering	Nanocarriers
	Advanced Biomaterials	Advantages of nanopharmaceuticals
	Biomimetic Elastomers	

12:50-13:35 **LUNCH BREAK**

	MEETING HALL 01	MEETING HALL 02
13:35-15:55	<b>Talks On: Nanodentistry</b>	<b>Talks On: Solid-State Chemistry and Physics</b>
	Surgical nanorobotics	Amorphous Materials
	Ceramics in dentistry	Quantum Transport in Mesoscopic Nanostructures
	Nanocomposites	Experimental Determination of Crystal Structures
	Nanofillers	Structure and Properties of Solids

15:55-16:15 **COFFEE BREAK**

MEETING HALL 01 (16:15-17:00)

Poster Presentations

MEETING HALL 01 (17:00-18:00)

Workshop

**Awards & Closing Ceremony**

# PAST AFFILIATES

Arnaud Caron

[KoreaTech - Korea University of Technology and Education, South Korea](#)

Patrick S. Grant

[Oxford University, UK](#)

Ian S. Butler

[McGill University, Canada](#)

Michael W. Tausch

[University of Wuppertal, Germany](#)

Alain Tressaud

[ICMCB-CNRS, University Bordeaux, France](#)

Urs Meier

[Swiss Federal Institute of Technology, Switzerland](#)

Lartigue Lenaic

[Universite de Nantes, France](#)

Jin An Wang

[Instituto Politecnico Nacional, Mexico](#)

John O Roberts

[University of Liverpool, UK](#)

Fargin Evelyne

[ICMCB-Universite Bordeaux, France](#)

Akira Yamaguchi

[Tokyo Institute of Technology, Japan](#)

Martin Baumgarten

[Max Planck Institute for Polymer Research, Germany](#)

Philippe Miele

[University of Montpellier, France](#)

Sandra Luber

[University of Zurich, Switzerland](#)

Alain DEMOURGUES

[University of Bordeaux, ICMCB-CNRS, France](#)

Stephane Cordier

[Institute of Chemical Sciences of Rennes, CNRS, France](#)

Hisayoshi Kobayashi

[Kyoto Institute of Technology, Japan](#)

Hwan Kyu Kim

[Korea University, South Korea](#)

V P Balema

[Ames Laboratory, US DOE, USA](#)

Donglu Shi

[Tongji University, China](#)

Reshef Tenne

[Weizmann Institute of Science, Israel](#)

# PAST AFFILIATES

Véronique Jubera

*University of Bordeaux, ICMCB-CNRS,  
France*

Elena Voloshina

*Humboldt University of Berlin, Germany*

Olivier Toulemonde

*University de Bordeaux, ICMCB-CNRS,  
France*

M Tréguer-Delapierre

*University of Bordeaux, ICMCB-CNRS, France*

Rana A Bilbeisi

*American University of Beirut, Lebanon*

Jawad K Olewi

*University of Technology, Iraq*

Javier González-Benito

*Carlos III University of Madrid, Spain*

Reshma Karkera

*A J Institute of Dental Sciences, India*

P Hemalatha

*Qatar University, Qatar*

Yan Huang

*Brunel University, UK*  
*Werner Karl Schomburg*  
*RWTH Aachen University, Germany*

Wlodzimierz Stanczyk

*Polish Academy of Sciences, Poland*

Yong-Hoon Cho

*Korea Advanced Institute of Science and  
Technology (KAIST), South Korea*

Mario Pablo Spector

*National Technological University, Argentina*

Abbas Saeed Hakeem

*King Fahd University of Petroleum and Minerals,  
Saudi Arabia*

Bruno Bureau

*Institut Universitaire de France, France*

Jijeesh R Nair

*Polytechnic University of Turin, Italy*

Ruben D. Costa

*University of Erlangen-Nuremberg (FAU),  
Germany*

Der-Jang Liaw

*National Taiwan University of Science and  
Technology, Taiwan*

Kenta Arima

*Osaka University, Japan*

# Barcelona Attractions



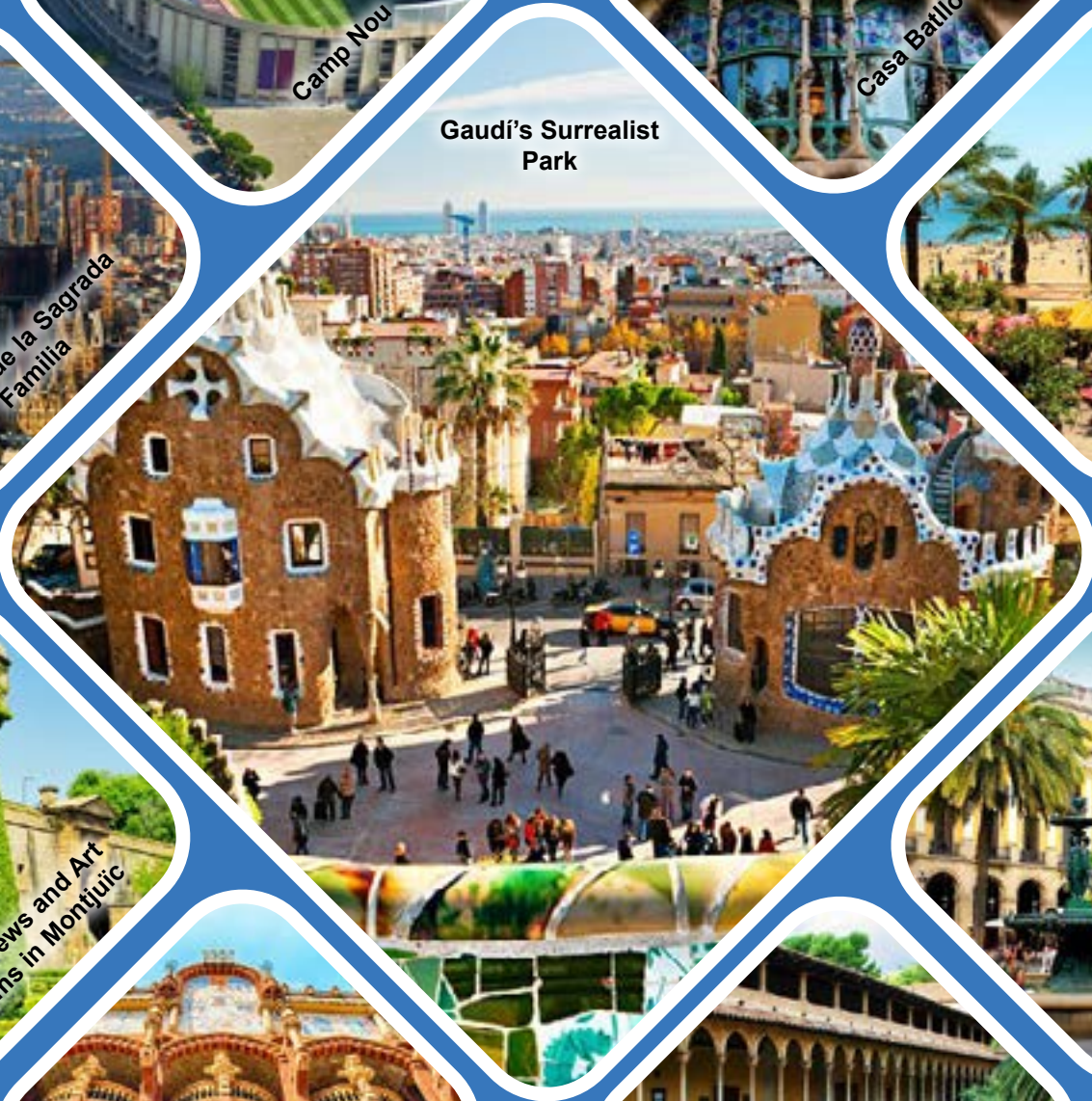
Camp Nou



Casa Batlló



Basilica de la Sagrada Família



Gaudí's Surrealist Park



La Barceloneta



Scenic Views and Art Museums in Montjuïc



Palace of Catalan Music



Monestir de Pedralbes



La Rambla

# Glimpses of Materials Chemistry Conferences

