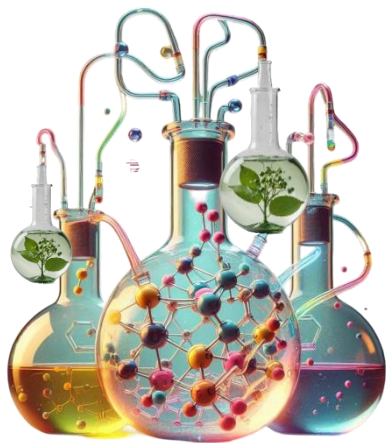


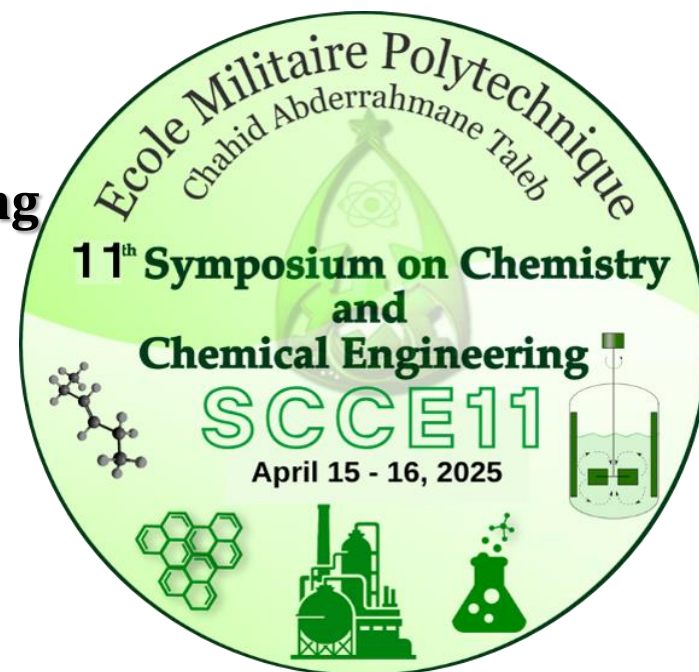


الملتقى الحادي عشر للكيمياء والهندسة الكيميائية

11th Symposium on Chemistry and Chemical Engineering



البرنامج العلمي



SCIENTIFIC PROGRAM



Ecole Militaire Polytechnique (EMP) Chahid Abderrahmane Taleb is organizing the 11th Symposium on Chemistry and Chemical Engineering (SCCE11) on April 15—16, 2025. This scientific meeting which is held once every a couple of years, provides a favorable environment for knowledge exchange among researchers, students and industrials regarding both latest scientific and technical progress in chemistry areas, giving opportunities for new cooperation, as well .

Topics

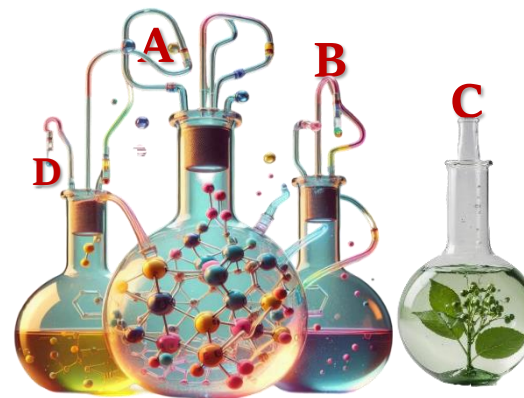
Communications are in one of the following research areas:

A- Energetic materials and pyrotechnic systems

B- Polymers and advanced materials

C- Green chemistry and renewable energies

D- Interfacial phenomena and reactivity



Organizing committee

Chair: **Pr. F. BENALIOUCHE** EMP.

Co-chair: **Dr. K.M. BOULKADID** EMP.

Members: **Dr. M. DERRADJI** EMP.

Dr. F. TARCHOUN EMP.

Dr. M.A BENCHAABANE EMP.

Dr. S. ABDOUS EMP.

H. BOUKCIAT EMP.

A. HABES EMP.

Scientific committee

Dr. H. ABABSA	EMP. Bordj El-Bahri	Pr. A. HABI	Univ. Béjaia
Dr. A. ABDELAZIZ	EMP. Bordj El-Bahri	Pr. A. HADJ SADOK	Univ. Blida 1
Dr. S. ABDOUS	EMP. Bordj El-Bahri	Pr. B. HAMADA	Univ. Boumerdès
Pr. DE. AKRETCHÉ	USTHB. Alger	Pr. S. HAMADOU	Univ. Boumerdès
Dr. S. BEKHOUCHE	IRD-ITD. Blida	Dr. Z. IHDEN	DCRDS. Boumerdès
Dr. A. BELAADA	EMP. Bordj El-Bahri	Dr. M. IZZEROUKEN	CRND. Alger
Dr. A. BELAADI	Univ. Skikda	Pr. M. KACI	Univ. Béjaia
Dr. R. BELGACEMI	URDP. Ain Defla	Dr. M. KADI	EMP. Bordj El-Bahri
Pr. N. BELHANECHÉ	ENP. El Harrach	Pr. A. KADRI	Univ. Tizi Ouzou
Dr. S. BELKHIRI	EMP. Bordj El-Bahri	Dr. A. KHADRAOUI	CRAPC. Alger
Pr. D. BENACHOUR	Univ. Sétif 1	Dr. K. KHIARI	EMP. Bordj El-Bahri
Pr. F. BENALIOUCHE	EMP. Bordj El-Bahri	Pr. K. KHIMECHÉ	USTHB. Alger
Dr. S. BENAMIROUCHE	EMP. Bordj El-Bahri	Pr. T. KLAPÖTKE	LMU. Germany
Dr. Z. BEKKAR DJELLOUL SAYAH	EMP. Bordj El-Bahri	Pr. S. KOUADRI-MOSTEFAI	ATRST. Alger
Dr. MA BENCHAAABANE	EMP. Bordj El-Bahri	Pr. L. LAMOUDI	USTHB. Alger
Pr. N. BENDJABALLAH	USTHB. Alger	Pr. A. MAY	EMP. Bordj El-Bahri
Pr. A. BENHAMIDA	Univ. Guelma	Dr. O. MEHELLI	EMP. Bordj El-Bahri
Pr. M. BENZIANE	ESM. Alger	Pr. Z. MEKHALIF	Univ. Namur- Belgique
Pr. M. BERREDJEM	Univ. Annaba	Pr. A. MEKKI	EMP. Bordj El-Bahri
Pr. A. BEZAZI	Univ. Guelma	Dr. R. MELOUKI	EMP. Bordj El-Bahri
Pr. Y. BOUCHEFFA	USTHB. Alger	Dr. A. MEZROUA	EMP. Bordj El-Bahri
Dr. N. BOUCHRIT	CRND. Alger	Dr. S. MOUSSOUS	EMP. Bordj El-Bahri
Pr. S. BOUHELAL	Univ. Sétif 1	Pr. N. NAAR	USTHB. Alger
Pr. A. BOUKERROU	Univ. Béjaia	Pr. N. NASRALLAH	USTHB. Alger
Dr. Y. BOUKOBERINE	EMP. Bordj El-Bahri	Dr. A. OUADAH	EMP. Bordj El-Bahri
Dr. M. K. BOULKADID	EMP. Bordj El-Bahri	Pr. WQ. PANG	XMCRI. China
Dr. Y. BOUMRAH	INCC. Alger	Dr. Y. PAL	HITS. India
Dr. Y. BOUTILLARA	EMP. Bordj El-Bahri	Dr. S. RAFAI	EMP. Bordj El-Bahri
Dr. N. BOUTOUCHENT	CRTSE. Alger	Pr. R. RIHANI	USTHB. Alger
Pr. M. BRAHIMI	USTHB. Alger	Pr. M. SASSI	Univ. Oran
Dr. H. CHABANE	EMP. Bordj El-Bahri	Pr. H. SATHA	Univ. Guelma
Pr. A. DAHMANI	USTHB. Alger	Pr. L.TARABET	EMP. Bordj El-Bahri
Pr. LT. DELUCA	Politec, Milano. Italy	Dr. F. TARCHOUN	EMP. Bordj El-Bahri
Dr. M. DERRADJI	EMP. Bordj El-Bahri	Pr. S. TAZIBET	EMP. Bordj El-Bahri
Pr. F. DU PREZ	Ghunt Univ. Belgium	Pr. D. TRACHE	EMP. Bordj El-Bahri
Pr. N. FANTUZZI	Bologna Univ. Italy	Dr. R. VAN RIET	ERM. Belgium
Dr. H. FETTAKA	IRD-ITD. Blida	Dr. LF. VELASCO	ERM. Belgium
Dr. N. FODIL CHERIF	CRAPC. Alger	Pr. L. WENBIN	HEU. China
Pr. R. CHEMINI	USTHB. Alger		

Scientific Program

Tuesday, 15 April 2025	
08:00 – 09:00	Registration (Reception desk)
09:00 – 09:30	Opening ceremony (Amphi B)
Amphi B 09:30 – 10:15	<u>Plenary lecture 1:</u> The Molecular Revolution: Driving the Next Wave of Nanoelectronics Dr. Hicham Hamoudi, Senior Scientist; Qatar Environment and Energy Research Institute (QEERI), Hamad Bin Khalifa University; Doha, Qatar. Chairs : Prof. Fouad Benaliouche (EMP) and Prof. Mustapha Kaci (Univ. Béjaia)
10:15 – 10:40	Coffee break (Cedoc Hall)
10:40 – 12:00	Oral parallel sessions 1 (Amphi A and B)
12:00 – 14:00	Lunch (VIP lounge)
14:00 – 15:40	Oral parallel sessions 2 (Amphi A and B)
15:40 – 16:00	Coffee break (Cedoc Hall)
16:00 – 17:00	Poster Session 1 (Cedoc Hall)
Wednesday, 16 April 2025	
09:00 – 09:40	Oral session 3 (Amphi B)
09:40 – 10:30	Poster Session 2 (Cedoc Hall) Coffee break
Amphi B 10:30 – 11:15	<u>Plenary lecture 2:</u> Technology transfert and open sciences for energy sector «Transfert Technologique et Science Ouverte pour le Secteur de l'Energie » Dr. Mohamed Khodja, Sonatrach / Institut Algérien du Pétrole (IAP) - Académie Algérienne des Sciences et des Technologies (AAST) Chairs : Prof. Said Bouhelal (Univ Sétif1) and Dr. Samir Belkhiri (EMP)
11:15 – 12:00	Closing ceremony (Amphi B)
12:00 – 13 :30	Lunch (VIP lounge)

Oral parallel sessions 1

Tuesday, April 15, 2025		<i>D. Interfacial phenomena and reactivity</i>	Time: 10:40-12:00
Code Time	Chairs: Prof. Nadia Bendjaballah (USTHB) and Dr. Redouane Melouki (EMP)		Amphi A
OD01 10:40-11:00	An experimental synthesis to determine the parameters affecting the formation of black powder <u>Sadjia Lamraoui</u> , Zaher Ihdene, Salaheddine Aoudj, Aziz Ramadane and Imene Oukil Direction Centrale Recherche et Développement -Sonatrach, Boumerdes.		
OD02 11:00-11:20	Structural study of some Li-exchanged faujasite zeolites intended for oxygen production <u>Mélissa Cherbi</u> and Youcef Boucheffa Laboratory of Physico-Chemical Study of Materials and Application to the Environment, USTHB, Algiers.		
Tuesday, April 15, 2025		<i>A. Energetic materials and pyrotechnic systems</i>	Time: 10:40-12:00
Code Time	Chairs: Pr. Djallal Trache (EMP) and Pr. Abderrezak Bezazi (Univ. Guelma)		Amphi B
OA01 10:40-11:00	Exploring Symmetrical Imidazolium-Based Ionic Liquids for Green Energetic Applications: A Comparative Investigation of [BBIm][NO₃] and [BBIm][N₃] <u>Nawel Matmat</u> , Amir Abdelaziz and Djallal Trache ENPEI, Rouiba, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.		
OA02 11:00-11:20	Advancing Understanding of Sodium Azide's Impact on the Thermal, Energetic, and Combustion Properties of Ignition Pyrotechnic Compositions <u>Mohammed el Amine Facih</u> , Moulai Karim Boulkadid, Sabri Toudjine and Samir Belkhiri IRD-ITD, Blida, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.		
OA03 11:20-11:40	Influence of Nitrocellulose-Coated AlMg@NrGO/nFe₂O₃-Based Nanothermite on the thermal properties of ammonium perchlorate <u>Feriel Gahfif</u> , Moulai Karim Boulkadid, Sabri Toudjine, Mohamed El Amine Facih and Samir Belkhiri CRD-FA, Algiers, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.		
OA04 11:40-12:00	Understanding The Thermal Decomposition Mechanism Of Energetic Nitrochitin <u>Sylia Ouahioune</u> , Ahmed Fouzi Tarchoun, Djallal Trache and Fouad Benaliouche CRD-FA, Algiers, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.		

Oral parallel sessions 2

Tuesday, April 15, 2025		B. Polymers and advanced materials		Time: 14:00-15:40
Code Time	Chairs: Prof. Ahmed Mekki (EMP) and Prof. Abderrahmane Habi (Univ. Béjaia)			Amphi A
OB01 14:00-14:20	Structural And Morphological Study Of Magnesium Oxide Decorated Reduced Grapheme Oxide (Mgo-Rgo) Nanocomposite Ammar Tighezza, <u>Aicha Bensouici</u> Laboratory of Mathematical and Subatomic Physics, Department of Physics, Constantine1 University.			
OB02 14:20-14:40	Investigating The Effectiveness Of Molecular Recognition In Smart Molecularly Imprinted Polymers: Films, Powders, And Microtips. <u>Nouria Bouchikhi</u> , Djahida Lerari, Olivier Soppera, Faycal Dergal, Khaldoune Bachari and Lamia Alachaher Bedjaouian Laboratoire de Recherche sur les Macromolécules (LRM), Abou-bekr Belkaïd Tlemcen University, Tlemcen.			
OB03 14:40-15:00	Study Of The Influence Of The Cationic TFSI-Based Ionic Liquids On The Thermoelectric Behavior Of Ppy Composites Mohamed Ali Mokrani, Zakaria Bekkar Djelloul Sayah, Ahmed Mekki, Linda Nedjar, Houssèm Chabane and Cherif Younes Bourenane ENPEI, Rouiba, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.			
OB04 15:00-15:20	Comparative Structural Study of ZnO-rGO and AgO-rGO nanocomposites Marwa Berrehail, Ammar Tighezza, Aicha Bensouici, Naima Touafek and Mohamed Sayegh Laboratory of Mathematical and Subatomic Physics, Department of Physics, Constantine1 University. Constantine.			
OB05 15:20-15:40	Thermal And Curing Behavior Of Unsaturated Polyester Resin Supplemented By Organically Modified Montmorillonite Nanoclay. <u>Ayoub Chenicheni</u> , Samir Belkhiri, Smain Camilia Nafissa and Ahmed Fouzi Tarchoun CRD-GN, Bouchaoui, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.			
Tuesday, April 15, 2025		C. Green chemistry and renewable energies		Time: 14:00-15:40
Code Time	Chairs : Prof. Sana Tazibet (EMP) and Prof. Malika Berredjem (Univ. Annaba)			Amphi B
OC01 14:00-14:20	Modeling and Simulation of Dielectric Barrier Discharge: Effect of Varying the Peak Voltage in Range 1-5 kV for Argon-Helium Mixture Ismail Benchebiba, Mohamed Mostefaoui, Ahmed Nour El Islam Ayad and Abdelatif Gadoum University of Hassiba Benbouali Chlef, Chlef.			
OC02 14:20-14:40	CO₂ Absorption Process From Flue Gas Using Fluorinated Anion Ionic Liquids And MDEA Amine Solvent Amiri Nesrine, Benyounes Hassiba University of M'Hamed Bougara, Boumerdes.			
OC03 14:40-15:00	Identification of Degradation By-products of an Insecticide Using LC-MS/MS Analysis: A Proposed Pathway <u>Athir Boukhrissa</u> , Lina-Mounia Rouidi, Alain Wilkin and Hamid Ait Amar Ecole Supérieure des Sciences de l'Aliment et des Industries Agroalimentaires (ESSAIA), Algiers.			
OC04 15:00-15:20	Comparison of Pharmaceutical Pollutant Degradation: Optimization of MRS and AI Coupled with Genetic Algorithms. <u>Anfel Smaali</u> , and Mohammed Berkani University of Badji Mokhtar – Annaba, Annaba.			
OC05 15:20-15:40	Selective Toluene Extraction from Toluene-Hexane Mixtures Using Ionic Liquids: Influence of Solubility, Solvent Concentration, and Temperature Tinhinane Kacel and Ouahida Bensebia University of Science and Technology Houari Boumediene (USTHB), Algiers.			

Oral session 3

Wednesday, April 16, 2025		<i>D. Interfacial phenomena and reactivity</i>	Time: 09:00-09:40
Code Time	Chairs : Prof. Meziane BRAHIMI (USTHB) and Dr. Moulai Karim Boulkadid (EMP)		Amphi B
OD03 09:00-09:20	Design and Synthesis of Thermoresponsive Azo Polymers as gatekeeper in Mesoporous Silica Nanoparticles for Controlled Release <u>Nahla Rahoui</u> and Ouarda Fadelou IRD-ITD, Blida.		
OD04 09:20-09:40	Bridging Structure And Energy: Resorcinol-Based Benzoxazine Polymers For Enhanced Reactive Materials <u>Slimane Abdous</u> , Mehdi Derradji, Karim Khiari, Oussama Mehalli, Abdelmalek Habes, Boustila Kais and Youcef Kechich Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.		

Poster session 1

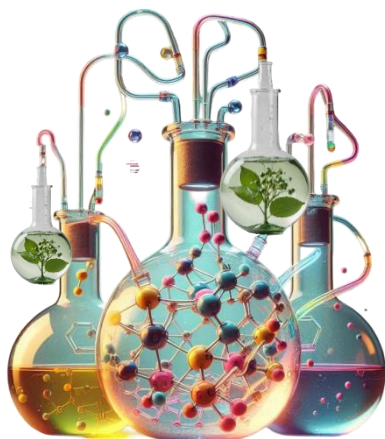
CODE	Tuesday, 15 April 2025	(Cedoc Hall)	Time: 16:00-17:00
P1S1	Eco-Friendly Approach For Adsorption Of Cadmium From Aqueous Solution Using Sustainable Marine Green Algae Biomass <u>Amel Asselah</u> , Chaima Boucherouri, Mona Bakour and Hayet Benadouene University of M'Hamed Bougara Boumerdes, Boumerdes.		
P2S1	High Catalytic Activity of Nitrogen-Doped Reduced Graphene Oxide/Fe₂O₃ Hybrid on the Thermal Decomposition ammonium nitrate. <u>Manel Nourine</u> , Moulai Karim Boulkadid, Sabri Toudjine, Elamine Louafi, Hamdane Akbi and Samir Belkhiri DRD-CFT, Algiers, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers, Algeria.		
P3S1	Photo-Oxydation Effects On The Physicochemical Properties Of Polyethylene Plastic Films Exposed At Different Periods <u>Asma Abdelhafidi</u> , Nourelhouda Benmiloud, Salem Fouad Chabira, Wassima. Yagoubi and Mohamed. Sebaa Mechanics Laboratory (Ime), University of Ammar Telidji, Laghouat.		
P4S1	Exploring the Influence of Copper Oxide Supported on Activated Carbon (AC-CuO) on the Thermal Decomposition Behavior of NC/DEGDN composite <u>Mohammed Dourari</u> , Ahmed Fouzi Tarchoun, Djalal Trache, Yasmine Boutillara, Roufaida Tiliouine and Tessnim Barkat CRDT, Algiers, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers, Algeria.		
P5S1	A Green One-Pot Synthesis And Polymerization Of Glyceryl Trimethacrylate (Gtma) Catalyzed By An Ecologic And Friendly Catalyst Maghnite Na⁺ <u>Derkaoui Samira</u> and Belbachir Mohammed University of Tissemsilt Ahmed Ben Yahia El Wancharissi, Tissemsilt.		
P6S1	Investigation of Nanoparticles Catalytic Properties: Impact of a Cationic Surfactant <u>Filali Kouider</u> , Boumediene Bounaceur and Farouk Zaoui Université Oran1, Oran		
P7S1	Innovative Composite Binder (NC-HTPB) For Enhanced Energetic Properties of Propellants <u>Mohammed Jouini</u> , Amir Abdelaziz, Djalal Trache, Nahla Rahoui and Ahmed Fouzi Tarchoun IRD-ITD, Blida, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers, Algeria.		

P8S1	Synthesis And Characterization Of Fe/Mgal-H Iron-Based Nanocomposite Using Iron-Based Nanopositive Hydrotalcite Precursor <u>Souad Kerchich</u> , Imane Bechokra, Soumia Boulaadjoul, Amira Almansaba and Nouredine Nasrallah Laboratoire de Génie de la réaction, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P9S1	Polyethylene Terephthalate (PET): A Key Material in the Packaging Industry <u>Salima Dadou</u> , Tarek Berrama, Amina Djadi, Chemseddine and Zekkaoui Laboratory of Industrial Process Engineering Sciences, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P10S1	Stabilizing The Electrocatalytic Performance Of Coox@Niox Core Shell Heterostructure Via Polypyrrole Encapsulation Toward Hydrogen Evolution Reaction <u>Yasmine Izri</u> , Souleyman Rafai, Ahmed Mekki, Hamdane Akbi, Abdelmouaiz Menasria Académie Militaire de Chercell, Tipaza, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.
P11S1	Developing PBSA Biopolymer blends with Enhanced Performance <u>Zineddine Bensalem</u> , Houssém Chabane and Ahmed Mekki ENPEI, Rouiba, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers.
P12S1	Thermal Stability and Structural Evolution of Styrene-Butadiene Rubber Reinforced with Silica and Carbon Black <u>Sara Soltani</u> , Hamid Satha and Samia Gherib University of Algiers 1, Algiers.
P13S1	Encapsulation Strategies for Vitamin E: Alginate and Polyethylene Glycol Approaches <u>Lamia Taouzinet</u> , Sofiane Fatmi, Hind Bougherra, Sabiha Bechir, and Mokrane Igheouada Centre de Recherche en Technologies Agroalimentaires (CRTA), Bejaia.
P14S1	The Impact Of Using Sand-Bentonite Mixture On The Reduction Of Heavy Metal Pollution <u>Messaouda Debieche</u> and Hassiba Mokadem University of Science and Technology Houari Boumediene (USTHB), Algiers.
P15S1	Synthesis, Characterization And Valorization Of Nanocomposites Based On Natural Resources For Coloring Elenimation <u>Zohra Ghebache</u> , Chabane Saida and Naima Boudieb Faculty of Chemistry, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P16S1	Enhancing Polysulfone-Based Hybrid Membrane Properties For Ultrafiltration <u>Yasmina Afir</u> and Boukraa Fatima Laboratoire de Synthèse Macromoléculaire et Thioorganique Macromoléculaire, Faculty of Chemistry, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P17S1	In Silico Investigation of Curcumin-Based Metal Intercalation Nor El Houda Medigue, Amina Zerrouk Lina, Linda Bechokra and Safia Kellou-Tairi Laboratoire de Physico-chimie Théorique et Chimie Informatique, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P18S1	Catalytic Activity Of Crsm-N Materials For Total Toluene Oxidation <u>Fatiha Hamidi</u> , K. Bendahou and S. Boudjemaa Laboratoire de Catalyse et Synthèse en Chimie Organique, University of Abu Bekr Belkaid Tlemcen, Tlemcen
P19S1	Construction of New Ternary Photocatalyst PANI-MnO₂- AgBr and its application on renewable energies <u>Asma Tab</u> , Chemseddine Belabed and Mohamed Trari Laboratory of Chromatography, Faculty of Chemistry, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P20S1	Enhancing the Recyclability and Properties of E-Waste ABS Through E-Beam Irradiation <u>Sofia Fares</u> , Mustapha Kaci, Nadjat Dehouche, and Amira Zaouak Laboratoire des Matériaux Polymères Avancés (LMPA), Faculté de Technologie, University Abderrahmane Mira of Bejaia, Bejaia.

Poster session 2

CODE	Wednesday, 16 April 2025 (Cedoc Hall)	Time: 09:45 – 10:30
P1S2	Hydrogen Production by Photo Catalysis <u>Sabah Menia</u> , Khadidja Khodja, Hammou Tebibel and Ilyes Nouicer Centre de Développement des Energies Renouvelables (CDER), Algiers.	
P2S2	Effect of solvent concentration on polyphenol extraction of a plant from Asteraceae family <u>Nadia Hamza</u> , Roufaida Aissa Brahim, Rosa Haouche, Hadjer Mabrouki and Djamal Eddine Akretche University of Science and Technology Houari Boumediene (USTHB), Algiers.	
P3S2	Numerical Investigation of Catalytic Methane Combustion in Microchannels <u>Fatma-Zohra</u> Chaouche, Bensebia Bensaber and Soumia Kouadri Moustefai Laboratory of Water, Energy and Green Chemistry, Hassiba Benbouali University of Chlef, Chlef.	
P4S2	Improved Removal of Congo Red Dye Using Eco-Friendly Mg-Fe Layered Double Hydroxide <u>Hadja Alia Tabti</u> , Mehdi Adjdir, Samira Derkaoui and Hakima Hedjar Tissemsilt university, Ahmed ben Yahia El Wancharissi- Tissemsilt.	
P5S2	Elucidating the Pyrolysis Mechanism of Energy-Rich Nitrochitosan through Hyphenated TGA-FTIR Analysis <u>Lokmene Boumaza</u> , Ahmed Fouzi Tarchoun and Djalal Trache. CRD-INT, Algiers, Ecole Militaire Polytechnique, Bordj El-Bahri, Algiers, Algeria.	
P6S2	Ppb-Level Ammonia Sensor Based on Flexible ZnO/Ppy-Ag Ternary Composites Film <u>Soumia Benhouhou</u> , Ahmed Mekki and Ajay Singh Ecole Normale Supérieure -Kouba – Algiers.	
P7S2	Facile Green Synthesis of ZnO Nanoparticles for Advanced Photocatalytic Wastewater Remediation <u>Hafsa Bouray</u> , Nadia Guettai and Hiba Sadat Laboratory of VRMDD, University of Science and Technology Houari Boumediene (USTHB), Algiers.	
P8S2	Ultrasound-Assisted Extraction of Polyphenols: Comparison of Different Solvents and Evaluation of Antioxidant Capacity. <u>Monsser Merdjemak</u> , Hadjer Mabrouki Laboratory of Hydrometallurgy and Inorganique Molecular Chemistry, University of Science and Technology Houari Boumediene (USTHB), Algiers.	
P9S2	Solvent effects on the electrical and optical properties of SnO₂ thin films <u>Amina Tioursi</u> , Redouane Miloua and Mohamed Khadraoui Laboratory for the Development and Characterization of Materials (LECM) , Djillali Liabès University, Sidi Bel-Abbés.	
P10S2	Effect of pH on the Yield, Size, and Stability of Green-Synthesized Silver Nanoparticles Using Plant Extract in an Ultrasonic Bath <u>Roufaida Aissa Brahim</u> , Hadjer Mabrouki and Djamal Eddine Akretche Laboratory of Hydrometallurgy and Inorganic Molecular Chemistry, University of Science and Technology Houari Boumediene (USTHB), Algiers.	
P11S2	Banana Peel As A Green Biosorbent For Removal Of Heavy Metals From Wastewater <u>Amina Ben Bouabdallah</u> , Nacer-Eddine Djelali and Djamel Aliouche Laboratory Food Technology, Faculty of Technology, Process Engineering Department, M'hamed Bougara University of Boumerdes, Boumerdes.	
P12S2	Numerical simulation of passive cooling of buildings through water evaporation using porous materials <u>Karima Sellami</u> , Nabila Labsi and Youb Khaled Benkahla University of Science and Technology Houari Boumediene, (USTHB) Algiers.	
P13S2	Aligned Porous Silicon Nanowire Array Modified by SiNx:H For Application Energie storage. <u>Chafiaa Yaddaden</u> , M. Berouaken, S. Meziani and N. Gabouze Research Center of Semiconductor Technology for Energetic (CRTSE), Algiers.	

P14S2	High-Efficiency and Selective Phenol Hydroxylation Using a Cost-Effective Copper Hydroxyapatite Catalyst <u>Mohammed Yacine Bouzalekh</u> and Kahina Kouachi Laboratoire de Physico-chimie des Matériaux et Catalyse, Faculté des Sciences Exactes, University Abderrahmane Mira of Bejaia, Bejaia.
P15S2	Influence of water quality on the electrochemical behavior of a carbon steel used in the combustion chamber of boilers of a petroleum complex <u>Nadia Hammouda</u> , Abdel Ali Boukrika, Mehdi Gabli and Mostefa Baccouche Department of Chemistry, Faculty of Sciences, University of 20 Août 1955, Skikda.
P16S2	Hydrodynamics Studies and Numerical Simulation of the Inverse Three Phase Fluidized Bed <u>Bensaber Bensebia</u> , Fatma-Zohra Chaouche, Ouahida Bensebia and Soumia Kouadri Moustefai Laboratoire "Chimie Végétale-Eau-Energie", Faculté de Technologie, Hassiba Benbouali University of Chlef, Chlef.
P17S2	Chemical And Mineralogical Characterization Of Dune Sands And Demolition Waste For Their Use In Road Engineering Cherfa Hayet, Saoudi Brahim, Saoudi Nacira, Smaida Ali, Debiche Fatiha and Aoudjane Kheir Eddine Laboratory of Environment, Water, Geomechanics and Structures (LEEGO), Faculty of Civil Engineering, University of Science and Technology Houari Boumediene (USTHB), Algiers.
P18S2	Enhanced Biodegradation of Toluene and Hexadecane Using Acclimated Activated Sludge <u>Imane Bechokra</u> , Souad Kerchich, Soumia Boulaadjoul, Lilia Mazari, Souhila Yahiat, Nacéra Yeddou-Mezzener, Nouredine Nasrallah, Annabelle Couvert and Abdeltif Amrane Laboratoire de génie de la réaction, University of Science and Technology Houari Boumedienne, (USTHB) Algiers.
P19S2	Fouling Of Shell And Tube Heat Exchangers Of The Crude Oil Stabilization Unit <u>Nabila Labsi</u> , Khaoula Brakbi, Asma Azibi and Youb Khaled Benkahla Transport Phenomena Laboratory, University of Science and Technology Houari Boumedienne, (USTHB) Algiers.
P20S2	Synthesis and characterization of graphene oxide via the Hummers Method <u>Fatma Amrouche</u> and Nadia Bendjaballah-Lalaoui Laboratoire Chimie des Matériaux, Catalyse et Environnement, University of Science and Technology Houari Boumedienne, (USTHB) Algiers.



EMP, BP 17, Bordj El Bahri
16046, Algiers, Algeria.

Tel: +213 (0) 23 95 37 23
Fax: +213 (0) 23 95 37 05

 jch@emp.mdn.dz

 www.emp.mdn.dz/events/scce/

