

PROGRAMME

08:30-09:00 Welcome and registration

09:00-09:30 Opening

Pr. Khadija EL HARIRI (ENS Director)

Organizing committee

Oral Session

09:30-10:50 Theme 1: Nanosciences and Environment

Moderator : Younes BAHAMMOU

- Nada AGHADE : Two-dimensional Core-shell rods photonic metasurface by FDTD and PWE methods,
- Driss LAHBOUB : Solution of Basset integro-differential equations by IIR digital filters
- Abdelhakim MOUTAOUKIL: An Overview of 5G Mobile Network Antennas: Trends and Challenges,
- Abedallah SELLAM, An ab-initio study of the adsorption of CO, H₂, and N₂ molecules on deformed or stretched graphene
- Abderrahim BAKAK: Rheological properties of nano-fluids graphene/ethylene glycol,
- Souad AIT SAGHIR: Experimental optimization and Theoretical modeling of ferroelectric properties and electro caloric effect,
- Yassine OUALCADI: Inhibitory effect of almond stem bark extract as a corrosion inhibitor for S240 steel in 3.5% NaCl medium,
- El Hassane MOURID : Sustainable treatment of food dye from wastewater using a low-cost anionic clay,

Debate and discussion

10:50-11:40 Theme 2: Bioresources and innovative biomaterials

Moderator : El Hassane MOURID

- Nadia ELADLANI : Recovery of Cr (III) from tannery wastewater by chitosan, its nanoparticles and whiskers,
- Youssef AIT HAMDAN : Contribution to the study of a new chitosan source for the development 3D chitosan-alginate hydrogel: Initiation to tissue engineering,
- Samia ELOUALI: Application of chitosan in wastewater treatment,
- Mustapha HASNI : The use of seaweeds and abiotic parameters for the biomonitoring of Moroccan coastal areas: case study of Safi city,

Debate and discussion

11:50-12:30 Theme 3: Efficient solar processes

Moderator : Youssef AIT HAMDAN

- Younes BAHAMMOU : Thermophysical characterization and simulation study of an eco-friendly building material reinforced with chamarrops humilis fibers,
- Mounir KOUHILA : Drying kinetics and exergy performance of traditionally earth mortar drying system based on hybrid solar-electrical dryer,
- Hamza LAMSYEHE : Study of desorption isotherms of anchovy: Characterization and Modeling,

Debate and discussion

Poster Session

12:30-12:40 Moncef BELMAJDOUB & Oumaima DAHBANE :

Valorization of a new chitinous source : Black soldier fly

COFFEE BREAK & CLOSING