

### Posters Session I

<b>1</b>	<p>Raffak Anas Comparative study of bread-making sourdough stabilization processes: Fresh, dried, freeze-dried and liquid sourdough Filière Industries Agro-alimentaires (IAA), Département Sciences des Aliments (SAN), Laboratoire Biotransformation Institut Agronomique et Vétérinaire Hassan II Rabat, Morocco.</p>
<b>2</b>	<p>Bouchmiaa Fatima Zehra Corrosion inhibition and plant extract adsorption activities on carbon steel in an acidic medium Laboratory of Organic-Bioorganic Chemistry and Environment, Department of Chemistry, Faculty of Sciences, Chouaib Doukkali University, El Jadida, Morocco.</p>
<b>3</b>	<p>Ghazi Inass Corrosion Inhibition of Carob Pod Pulp (Ceratonia Siliqua L.) on Carbon Steel Surface C38 in Hydrochloric Acid Dept. of Chemistry, University of Chouaib Doukkali, El Jadida, Morocco.</p>
<b>4</b>	<p>Mirinioui Amine Corrosion Inhibition of Polyphenolic Extracts of pomegranate (Punica granatum L.) on Carbon Steel Surface C38 in 1M HCl medium Laboratory of Coordination and Analytical Chemistry, Faculty of Sciences, Chouaib Doukkali University, El Jadida, Morocco.</p>
<b>5</b>	<p>Bajjou Yousra La gestion environnementale de la logistique inverse Laboratoire Modélisation et Optimisation des Systèmes Industriels et logistiques, Université Abdelmalek ESSAADI – ENSA, Tétouan, Morocco.</p>
<b>6</b>	<p>Belkoufa Ikram Combining magnetocaloric and electrocaloric effects in lead free multiferroic ceramics to achieve a broad refrigeration temperature region. LabSIPE, Ecole Nationale des Sciences Appliquées, University Chouaib Doukkali, El Jadida, Morocco.</p>
<b>7</b>	<p>Bahsis Lahoucine Copper(I)-Chitin Catalyst for Click Chemistry Azide-Alkyne Cycloaddition Type Reactions in Water Laboratoire de Chimie de Coordination et d'Analytique, Faculté des Sciences d'El Jadida, UCD, El Jadida, Morocco.</p>
<b>8</b>	<p>Abouais Ali Crystal Growth by Vertical Bridgman Technique Engineering Science for Energy Lab, National School of Applied Sciences, Chouaib Doukkali University, El Jadida, Morocco.</p>
<b>9</b>	<p>Rhalmi Othmane Development of biodegradable bioplastic films from nanoparticle reinforced starch Laboratory of Material's Physical- Chemicals, Faculty of Sciences, University of Chouaib Doukkali, El Jadida, Morocco.</p>
<b>10</b>	<p>Lifi Houda Dielectric Properties and Complex Impedance of the 0.69PbMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub>-0.31PbTiO<sub>3</sub> Relaxor ceramic National School of Applied Sciences, Laboratory of Materials, Processes, Environment and Quality, Cadi Ayyad University, Safi, Morocco.</p>

<b>11</b>	Rkhis Mourad A promising high electrochemical capacity and fast hydrogen diffusion for Ni-MH battery: A first-principles insight Sci Engineer Lab Energy, Natl Sch Appl Sci, Chouaib Doukkali University, El Jadida, Morocco.
<b>12</b>	Rejdali Hajar Analytical Modeling of Piezoelectric Energy Harvesting Sci Engineer Lab Energy, Natl Sch Appl Sci, Chouaib Doukkali University, El Jadida, Morocco.
<b>13</b>	Aboubakr Sarah Application of piezoelectric harvesting materials for electro-chemical processes Sci Engineer Lab Energy, Natl Sch Appl Sci, Chouaib Doukkali University, El Jadida, Morocco.
<b>14</b>	Boudara Mariyam Laboratoire de l'Eau et de l'Environnement, Equipe Thermodynamique, Surface et Catalyse, Faculté des Sciences, Université Chouaib Doukkali, El Jadida, Morocco.
<b>15</b>	Babaharra Oumayma Effect of the variation of PCM type on the thermal performance of a multilayer wall in a hot climate Moulay Slimane University, Laboratory of Computer and Mathematical Process Engineering, ENSA Khouribga, Morocco.
<b>16</b>	Ameur Soukaina MEDT study of the regioselectivity and stereoselectivity observed in the Diels Alder cycloaddition reaction between vinyl acetate and 3- aroylpyrrolo[1,2-c][1,4]benzoxazine-1,2,4-trione. Molecular Modelling and Spectroscopy Research Team, Faculty of Science, Chouaib Doukkali University, El Jadida, Morocco.
<b>17</b>	Sabani Erroumayssae Rolling Bearing Fault Diagnostics using Wavelet Analysis For Predictive Maintenance Laboratory of engineer science for energy, National Engineering School of Applied Sciences. Chouaib Doukkali University, El Jadida, Morocco.
<b>18</b>	Messaoud Elhassania Solving a multi-objective routing problems with electric vehicles by a hybrid metaheuristic Logistics, Transport and Road Safety Research Team, Hassania School of Public Works, Casablanca, Morocco.
<b>19</b>	Razazi Sara Supply Chain Intelligence: A Systematic Literature Review Laboratoire d'Analyse et Modélisation des Systèmes et Aide à la Décision (LAMSAD), University of Hassan I , Settat, Morocco.
<b>20</b>	Lhoussine Limouny Correction quantique de la conductivité d'un système bidimensionnel ENIM, LSTI Physics Department, Faculty of Sciences and Technics, University of Moulay Ismail, Errachidia, Morocco.