Conference Program

23 April 2019
CIT Building - UAEU
USRC 2019 Committee

Fatima Tayel  
*Conference Chair, Director of SASP, University College*

Elizabeth Whitehouse  
*Conference Coordinator, SASP Writing Centers, University College*

Lakmee Senadheera  
*Conference Coordinator, SASP, University College*

Asma Al Naqbi  
*Conference Administrator, Learning Centers, SASP, University College*
Dear Guests,

The Student Academic Success Program (SASP), of University College, United Arab Emirates University (UAEU), warmly welcomes you to the fifth annual Undergraduate Student Research Conference (USRC). We trust you will be impressed and inspired by the outstanding range, quality and quantity of undergraduate student research activity showcased at this event.

For the students presenting today, we hope that this conference provides not only a worthy public platform for your academic achievements but also a valuable opportunity for you to network with fellow researchers in the UAE and share your research-related experiences and expertise in a dynamic and multi-disciplinary environment.

We would like to thank all UAEU students and staff, and those from other institutes in the UAE, who have contributed to today’s event. We are also very grateful to the talented team of student helpers working with us, especially Sara Rafiq Al Fahel and Rouan Khalil Kara.

Sincerely,

USRC 2019 Committee
Organised by

[Logos of universities and institutions]

Participating Institutions

[Logos of universities and institutions]
5th Annual
Undergraduate Student Research Conference

Program Overview

8:30  Registration Opens | Ground Floor CIT

9:15  Poster Viewing & Networking

9:45 - 10:15  Opening Ceremony | CIT Auditorium

10:15 - 11:15  Session 1: Oral Presentations

11:15 - 12:15  Session 2: Oral Presentations

10:15 - 11:15  Session 3: Oral Presentations

11:30 - 12:30  Session 4: Oral Presentations

12:45 - 13:45  Session 5: Oral Presentations

13:45 - 14:15  Poster Viewing & Networking

14:15 - 15:15  Session 4: Oral Presentations

15:15 - 16:15  Poster Viewing & Networking

15:45 - 16:45  Session 5: Oral Presentations

16:45  Conference Ends

Presentation Locations

Oral Presentations | CIT Auditorium, E1-1027, E1-1028 & E1-2029

Poster Presentations | Ground Floor CIT: Main Hallway, Exhibition Hall (G023) & Study Hall (G033)

ePosters | Exhibition Hall (G023) & Study Hall (G033)
## Oral Presentations

### Session 1: 10:15 – 11:15

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<tr>
<th>Location</th>
<th>Institution</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>E1-1027</td>
<td>UAEU College of Education</td>
<td>Exploring the UAE College Students’ Perceptual Learning Styles in Learning English as a Second Language</td>
</tr>
<tr>
<td></td>
<td>UAEU College of Science</td>
<td>Observational Studies of the Evolution of GRB 100414A Afterglow: Clues on the GRB Environment and Underlying Astrophysical Processes</td>
</tr>
<tr>
<td></td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>English-Based Lexical Calques in Arabic Journalistic Texts: Lexical and Cognitive Implications</td>
</tr>
<tr>
<td>E1-1028</td>
<td>UAEU College of Food and Agriculture</td>
<td>The Effects of Sustainable Food Innovation on Consumers’ Perceived Cost/Benefit, Risk and Uncertainty, and Attitudes</td>
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<tr>
<td></td>
<td>HCT Engineering</td>
<td>Grey Water Recycling Unit</td>
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<tr>
<td></td>
<td>UAEU College of Business and Economics</td>
<td>The Relationship between Inflation and Unemployment Rates in the USA in the Period 1965 - 2000</td>
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<tr>
<td>E1-2029</td>
<td>UAEU College of Information Technology</td>
<td>Indoor Navigation System for the Visually Impaired</td>
</tr>
<tr>
<td></td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>اللغة الإدارية والمنتقى</td>
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<tr>
<td></td>
<td>UAEU College of Medicine and Health Sciences</td>
<td>Unsafe Behaviour of Bicyclists in Al Ain, UAE: An Observational Study</td>
</tr>
<tr>
<td>Auditorium</td>
<td>UAEU College of Science</td>
<td>Influence of Mineralogical Composition and Texture of Carbonate Rocks on Durability</td>
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<tr>
<td></td>
<td>UAEU College of Information Technology</td>
<td>A Comparative Study of Clustering Algorithms for Mixed Dataset</td>
</tr>
<tr>
<td></td>
<td>UAEU College of Business and Economics</td>
<td>An Investigation of the Impact of Internship Programs on Student Perceptions of Employability</td>
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## Oral Presentations

### Session 2: 11:30 – 12:30

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<tr>
<th>Location</th>
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<tbody>
<tr>
<td>E1-1027</td>
<td><strong>American University of Ras Al Khaimah</strong></td>
<td><strong>OP29</strong> Environmental Evaluation of Implementing the Deposit-Refund Scheme for Closed Loop Recycling of Water Bottles in UAE</td>
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<td>School of Engineering</td>
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<td><strong>UAEU</strong> College of Engineering</td>
<td><strong>OP1</strong> Innovative Design of Heat Exchangers using Airfoil Fins for Concentrated Solar Power Plants</td>
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<td></td>
<td><strong>Emirates Aviation University</strong></td>
<td><strong>OP5</strong> Hydrogen Powered Unmanned Ground Vehicle</td>
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<td><strong>UAEU</strong> College of Engineering</td>
<td><strong>OP28</strong> Thermal Performance of Solar Thermal Energy Storage</td>
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<td><strong>HCT</strong> Mechanical Engineering</td>
<td><strong>OP41</strong> Smart Leg Assistant Brace (SLAB)</td>
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<td><strong>UAEU</strong> College of Engineering</td>
<td><strong>OP25</strong> Polyethylene/Graphene/Carbon Fiber Waste Hybrid Nanocomposites</td>
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<td>E1-1028</td>
<td><strong>UAEU</strong> College of Engineering</td>
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<tr>
<td>E1-2029</td>
<td><strong>UAEU</strong> College of Engineering</td>
<td><strong>OP2</strong> Effects of Water Emulsion of Waste Cooking Oil Biodiesel on Diesel Engine Performance and Exhaust Emissions</td>
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<td></td>
<td><strong>American University of Ras Al Khaimah</strong></td>
<td><strong>OP10</strong> Studying the Effect of Nano Particles and Polymers for Minimizing Formation Damage in Water-Based Drilling Fluids</td>
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<td><strong>UAEU</strong> College of Engineering</td>
<td><strong>OP44</strong> Analysis and Design of a Single Phase Voltage-frequency Converter with an Optimized PI Controller</td>
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<td><strong>Canadian University Dubai</strong></td>
<td><strong>OP23</strong> Autonomous Integrated Farming System</td>
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<td><strong>UAEU</strong> College of Engineering</td>
<td><strong>OP9</strong> 3D Printed Polymer Microchannel Heat Exchangers</td>
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<td>Auditorium</td>
<td><strong>UAEU</strong> College of Engineering</td>
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# Oral Presentations

### Session 3: 12:45 – 13:45

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<tbody>
<tr>
<td>E1-1027</td>
<td><strong>Zayed University</strong></td>
<td><strong>OP30</strong> Analysis of the Physio-Chemical Profile of the Soils in the Emirate Of Dubai</td>
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<td>College of Health Science</td>
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<td><strong>UAEU</strong></td>
<td><strong>OP35</strong> Investigating Construction Quality Assurance in Buildings under Construction using an Infrared Thermal Imager</td>
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<td><strong>Zayed University</strong></td>
<td><strong>OP37</strong> The Theory of Transitive Oppression</td>
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<td>College of Humanities and Social Sciences</td>
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<tr>
<td>E1-1028</td>
<td><strong>Zayed University</strong></td>
<td><strong>OP42</strong> Older but Wiser? Age and Loss Aversion in Professional Tennis</td>
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<td>College of Business and Economics</td>
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<td><strong>UAEU</strong></td>
<td><strong>OP34</strong> The Effect of Gum Arabic on Blood Glycemia, Lipidemia, Body Composition and Gastrointestinal Tract in Adults at Risk of Metabolic Syndrome</td>
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<td>College of Food and Agriculture</td>
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<td><strong>American University in the Emirates</strong></td>
<td><strong>OP40</strong> Students’ Perspectives on the Use of Educational Technologies in the Classroom</td>
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<td>E1-2029</td>
<td><strong>HCT Engineering</strong></td>
<td><strong>OP22</strong> Manufacturing 3D Printed Prosthetic Hands</td>
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<td><strong>UAEU</strong></td>
<td><strong>OP36</strong> Assessment of Salt Intake among UAE Population using 24-Hour Urine Analysis</td>
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<td><strong>UAEU</strong></td>
<td><strong>OP51</strong> Reshaping the Future: Economic and Social Impacts of Artificial Intelligence on UAE Society</td>
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<td>Auditorium</td>
<td><strong>New York University Abu Dhabi</strong></td>
<td><strong>OP12</strong> The Impact of Infrastructure Development on Economic Growth: Evidence from China</td>
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<td><strong>UAEU</strong></td>
<td><strong>OP50</strong> Modulation of Glucose Metabolism by Date Seeds in Human Hepatic Cells (HepG2)</td>
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<td><strong>Zayed University</strong></td>
<td><strong>OP8</strong> The Representation of Islamic Architecture in Sharjah</td>
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<td>College of Arts and Creative Enterprises</td>
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### Session 4: 14:15 – 15:15

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<tbody>
<tr>
<td>E1-1027</td>
<td>UAEU College of Engineering</td>
<td>OP46 Land Use Attributes and Access to Public Transportation: The Case of Al Ain, UAE</td>
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<td></td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>OP53 Integrating Environmental Education in the School Curriculum at Primary and Secondary Level in the UAE</td>
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<td></td>
<td>Zayed University College of Natural and Health Sciences</td>
<td>OP52 Bacterial Community Structure and Physicochemical Properties of Saline Sandy Soil in Response to Long-Term Application of Compost and Biochar</td>
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<td>E1-1028</td>
<td>HCT College of Business Administration</td>
<td>OP18 Service Quality at Chili’s Restaurant</td>
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<td>UAEU College of Engineering</td>
<td>OP17 Seismic Performance Assessment of Tall Buildings in the UAE: A Pilot Study</td>
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<td>UAEU College of Business and Economics</td>
<td>OP47 Roles of Narratives in Civic Crowdfunded Projects: Linguistic Style, Message Substance, and Crowdfunding Success</td>
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<td>E1-2029</td>
<td>UAEU College of Food and Agriculture</td>
<td>OP13 Micro-Encapsulation of Camel Milk Derived Probiotic Strain (Lactobacillus Rhamnosus MF00960) in Novel Camel Gelatin and Camel Casein as Wall Material</td>
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<td>UAEU College of Humanities and Social Sciences</td>
<td>OP7 North-African Immigrants’ Dialect in Arab Countries</td>
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<td>UAEU College of Engineering</td>
<td>OP57 Developing and Testing of Heat Sink Utilizing PCM Material with Enhanced Thermophysical Features</td>
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<td>UAEU College of Engineering</td>
<td>OP26 Development of a Simulation Model for a Deep Drawing Process</td>
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<td>UAEU College of Humanities and Social Sciences</td>
<td>OP45 Connecting Cultures: Examining Shared Themes between Emirati Folklore and African American Folklore</td>
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<td></td>
<td>UAEU College of Education and Social Sciences</td>
<td>OP55 Videotaped Story Workshop Method: Stimulating University Students’ Learning and Innovation</td>
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## Oral Presentations

### Session 5: 15:45 – 16:45

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<tr>
<td>E1-1027</td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>OP54 The Influence of Evolutionary Psychology on Human Mating and Sexual Behaviour</td>
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<td></td>
<td>UAEU College of Education</td>
<td>OP31 Examining UAEU Student's Satisfaction and Perception of Inclusion</td>
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<tr>
<td>E1-1028</td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>OP38 Water Consumption at UAEU</td>
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<td>UAEU College of Food and Agriculture</td>
<td>OP56 Assessment of Food Risks Associated with Home-Made Foods Vended over Online Social Media in the UAE</td>
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<td>UAEU College of Humanities and Social Sciences</td>
<td>OP3 Reasons for Migration of Blue-Collar Workers in the Service Sector (Al Ain Case)</td>
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<td>Auditorium</td>
<td>UAEU College of Engineering</td>
<td>OP20 Utilizing Virtual Reality in Assessing Socio-Cultural Sustainability in Emirati Public Housing</td>
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<tr>
<td></td>
<td>Zayed University College of Natural and Health Sciences</td>
<td>OP32 Can Traditional Emirati Food be Part of the Medical Nutrition Therapy in Chronic Kidney Disease?</td>
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<td>UAEU College of Science</td>
<td>OP11 Construction of BiOF/BiOI Nanocomposites with Tunable Band Gaps as Efficient Visible-Light Photocatalysts</td>
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## Poster Presentations Overview

**Ground Floor CIT: Main Hallway, Exhibition Hall (G023) & Study Hall (G033)**

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<tr>
<th>Poster</th>
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<th>Project Title</th>
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<tbody>
<tr>
<td>PP1</td>
<td>UAEU College of Medicine and Health Sciences</td>
<td>Effects of Co-infection with Respiratory Syncytial Virus and Influenza A Virus on Viral Load and Pulmonary Function in Mice</td>
</tr>
<tr>
<td>PP2</td>
<td>UAEU College of Science</td>
<td>Do Male Siamese Fighting Fish Exhibit the Dear Enemy Phenomenon?</td>
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<tr>
<td>PP3</td>
<td>UAEU College of Engineering</td>
<td>Assessing Commercial 3D Scanners to Reproduce Structural Elements</td>
</tr>
<tr>
<td>PP4</td>
<td>UAEU College of Engineering</td>
<td>Reducing the Harmful Impact of the PrePreg Scrap from Domestic Aerospace Industries Using Compression Molding to Preserve the UAE Environment</td>
</tr>
<tr>
<td>PP5</td>
<td>UAEU College of Information Technology</td>
<td>A Virtual Model of Primitive Learning</td>
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<tr>
<td>PP6</td>
<td>UAEU College of Science</td>
<td>Removal of Cr(VI) from Polluted Water Using Magnetically Separable Goethite Fe2O3@SiO2@FeOOH Nanoparticles</td>
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<td>PP7</td>
<td>UAEU College of Science</td>
<td>Ca2+, Zn2+ Sulfate Polycarboxylate Bone Cement: Formation and Characterization</td>
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<td>PP8</td>
<td>UAEU College of Food and Agriculture</td>
<td>LEA 2 Protein</td>
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<tr>
<td>PP9</td>
<td>HCT Mechanical Engineering</td>
<td>Drone for Trees</td>
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<tr>
<td>PP10</td>
<td>HCT Computer Information Sciences</td>
<td>The Negative Influence of Smart Devices on Children’s Health in the UAE</td>
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<tr>
<td>PP11</td>
<td>UAEU College of Engineering</td>
<td>Cost-effective Design Solution for Hammerhead Bent Caps</td>
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<tr>
<td>PP12</td>
<td>UAEU College of Engineering</td>
<td>Designing and Developing Innovative Structural Engineering Failure Experiment Using Additive Manufacturing Technology</td>
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<tr>
<td>PP13</td>
<td>HCT Computer Information Sciences</td>
<td>The Influence of Social Media on Online Shopping in the UAE</td>
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<tr>
<td>PP14</td>
<td>UAEU College of Medicine and Health Sciences</td>
<td>Effects of Probiotics on Gastric Epithelial Cells</td>
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<td>PP15</td>
<td>UAEU College of Engineering</td>
<td>Simultaneous Extraction–reaction Process for Biodiesel Production from Microalgae</td>
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<td>PP16</td>
<td>HCT Faculty of Engineering, Technology and Science</td>
<td>Vehicle Emissions Mapping in Major Cities in the UAE</td>
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<tr>
<td>PP17</td>
<td>Zayed University College of Business</td>
<td>The Effect of Tolerance on Employees Emotional Burnout</td>
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<tr>
<td>PP18</td>
<td>UAEU College of Education</td>
<td>What Does my Teacher Want from me? Teachers’ Expectations of Children Starting School in the UAE</td>
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<tr>
<td>PP19</td>
<td>UAEU College of Business and Economics</td>
<td>The Impact of Financial and Economic Factors on Islamic Funds Performance</td>
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<tr>
<td>PP20</td>
<td>UAEU College of Food and Agriculture</td>
<td>Food Deserts: the Lack of Access to Quality Fresh Vegetables in the Abu Dhabi Emirate</td>
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<tr>
<td>PP21</td>
<td>UAEU College of Information Technology</td>
<td>Price History and Social Media Mining To Predict Stock Market Movement</td>
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<tr>
<td>PP22</td>
<td>UAEU College of Engineering</td>
<td>Experimental Investigation of the Stability and Characterization of Nanofluids under Different Surfactants Weight Percentage</td>
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<td>PP23</td>
<td>UAEU College of Science</td>
<td>Socotra Cormorants, Foxes and Gazelles’ Behavior on Siniya Island</td>
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<td>PP24</td>
<td>UAEU College of Medicine and Health Sciences</td>
<td>Effect of Aryl Hydrocarbon Receptors in Gastric Stem Cells Activation</td>
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<td>PP25</td>
<td>UAEU College of Science</td>
<td>The Evolution of Battery Technology</td>
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<td>PP26</td>
<td>UAEU College of Engineering</td>
<td>Bond Performance of Fiber Reinforced Polymer Bars in Recycled Concrete</td>
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<td>PP27</td>
<td>UAEU College of Science</td>
<td>How Old are Clastic Materials Covering the Al Ain Area, UAE?</td>
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<td>PP28</td>
<td>HCT College of Engineering</td>
<td>Thermal Imaging Autonomous Drone for Aerial Surveillance</td>
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<td>PP30</td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>Assessment of Environmental Knowledge and Recycling Practices of UAE High School Students</td>
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<tr>
<td>PP31</td>
<td>UAEU College of Food and Agriculture</td>
<td>Starch and Camel Whey Protein Stabilized Nano-emulsion as a Potential Carrier for Vitamin D3</td>
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<td>PP33</td>
<td>UAEU College of Medicine and Health Sciences</td>
<td>Analysis of Tricarboxylic Acid Cycle Metabolites by Ultra-performance Liquid Chromatography-tandem Mass Spectrometry in Dried Blood Spots</td>
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<td>PP34</td>
<td>UAEU College of Food and Agriculture</td>
<td>In Vitro Investigation of Health-Promoting Benefits of Fermented Camel Sausage by Novel Probiotic Lactobacillus Plantarum: A Comparative Study with Beef Sausages</td>
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<tr>
<td>PP36</td>
<td>UAEU College of Humanities and Social Sciences</td>
<td>The Application of RAVLT on Healthy Native Arabic Speakers in UAEU</td>
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<tr>
<td>PP37</td>
<td>UAEU College of Engineering</td>
<td>Polyester Composites Reinforced with Date Palm Fibers</td>
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<tr>
<td>PP38</td>
<td><strong>UAEU</strong> College of Medicine and Health Sciences</td>
<td>The Burden of Gestational Diabetes Mellitus in Emirati Pregnant Women: Results from Mutabaah Study.</td>
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<td>PP39</td>
<td><strong>UAEU</strong> College of Science</td>
<td>Hair and Salivary Cortisol as a Biomarker of Stress in UAE University Students</td>
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<td>PP40</td>
<td><strong>UAEU</strong> College of Science</td>
<td>Tables of Equation Of State, Thermodynamic Properties, and Shock Hugoniot for Hot Dense Fluid Hydrogen</td>
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<td>PP41</td>
<td><strong>UAEU</strong> College of Medicine and Health Sciences</td>
<td>Cardiovascular Risk Factors and Mortality Among Acute Coronary Syndrome in Middle East: A Systematic Review and Metaanalysis.</td>
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<tr>
<td>PP42</td>
<td><strong>UAEU</strong> College of Medicine and Health Sciences</td>
<td>Association Studies on Genetic Variants in UAE Schizophrenic Patients.</td>
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<tr>
<td>PP43</td>
<td><strong>American University of Ras Al Khaimah</strong> College of Engineering</td>
<td>Economic and Environmental Consequences of Black Powder in Oil/Gas Pipelines: Phenomenon and Proposed Solutions</td>
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<td>PP44</td>
<td><strong>UAEU</strong> College of Science</td>
<td>An Implicit Hybrid Method for Solving Fractional Bagley–Torvik Boundary Value Problem</td>
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<tr>
<td>PP45</td>
<td><strong>UAEU</strong> College of Medicine and Health Sciences</td>
<td>Bone Biomechanics in Non-obese Animal Model of Type 2 Diabetes Mellitus</td>
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<td>PP46</td>
<td><strong>UAEU</strong> College of Medicine and Health Sciences</td>
<td>Cloning and Preliminary Analysis of the Role of a Novel Long Non-Coding RNA in Development and its Contribution to Metabolic Diseases using a Rodent Model System</td>
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# ePoster Presentations Overview

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Oral Presentations

CIT Auditorium, E1-1027, E1-1028 & E1-2029

OP1
Innovative Design of Heat Exchangers using Airfoil Fins for Concentrated Solar Power Plants
Presenter(s): Hour Al Hefeiti, Haleima Al Metiri, Alanoud Al Kaabi, Aysha Alshamsi
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Fadi Al Naimat

OP2
Effects of Water Emulsion of Waste Cooking Oil Biodiesel on Diesel Engine Performance and Exhaust Emissions
Presenter(s): Mariam Khaled Galal Ahmed Zaghloul, Aya Mansour, Moudi Ali Salem Alameri
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Mohamed Younes El-Saghir Selim

OP3
Reasons for Migration of Blue-Collar Workers in the Service Sector (Al Ain Case)
Presenter(s): Shamma Mohammed Ali Al Balushi
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Sociology
Project Supervisor: Tatiana Karabchuk

OP4
Observational Studies of the Evolution of GRB 100414A Afterglow: Clues on the GRB Environment and Underlying Astrophysical Processes
Presenter(s): Afra Saleh Aldhahri
Institute: UAEU
College: College of Science
Department: Physics
Project Supervisor: Aquib Moin

OP5
Hydrogen Powered Unmanned Ground Vehicle
Presenter(s): Rohit Kothari, Shahab Shafqat, Syed Hasan Mehdi Rizvi
Institute: Emirates Aviation University
College: College of Engineering
Department: Aerospace Engineering
Project Supervisor: Khurram Iqbal
OP6
اللغة الإدارية والمتلقى
Presenter(s): Mariem Hamoud Hreimou
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Arabic Language and Literature
Project Supervisor: Emad Zapin

OP7
North-African Immigrants’ Dialect in Arab Countries
Presenter(s): Meriem Madi
Institute: UAEU
College: College of Humanities and Social Sciences
Department: General Linguistics
Project Supervisor: Marta Szreder

OP8
The Representation of Islamic Architecture in Sharjah
Presenter(s): Sundos Alsheebani
Institute: Zayed University
College: College of Arts and Creative Enterprises
Department: Interior Design
Project Supervisor: Adina Hempel

OP9
3D Printed Polymer Microchannel Heat Exchangers
Presenter(s): Ahmed Omar Alkaabi, Ahmed Abdulqader Alataishi, Salem Abdulla Alshamsi, Saleh Eisa Alalawi
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Bobby Mathew

OP10
Studying the Effect of Nano Particles and Polymers for Minimizing Formation Damage in Water-Based Drilling Fluids
Presenter(s): Somaya Ahmad RahmatAllah, Abdullahi Aminu, Reggy Ridwan, Aaesha Matar Abdulla
Institute: American University of Ras Al Khaimah
College: School of Engineering
Department: Petroleum and Chemical Engineering
Project Supervisor: Saad Abdallah Balhasan
OP11
Construction of BiOF/BiOI nanocomposites with tunable band gaps as efficient visible-light photocatalysts
Presenter(s): Ruba Fouad Abdullah Al Ajeil, Sundus Sallabi, Huda Abdul Salam Ahmed Bin Selim, Shadha Abdurabu Ahmed Alawadhi
Institute: UAEU
College: College of Science
Department: Chemistry
Project Supervisor: Ahmed Alzamly

OP12
The Impact of Infrastructure Development on Economic Growth: Evidence from China
Presenter(s): Veronika Radinovska
Institute: New York University Abu Dhabi
Department: Social Sciences
Project Supervisor: Etienne Wasmer

OP13
Micro-Encapsulation of Camel Milk Derived Probiotic Strain (Lactobacillus Rhamnosus MF00960) in Novel Camel Gelatin and Camel Casein as Wall Material
Presenter(s): Fatima Aldhaheri, Noura Almansouri, Maitha Alameri
Institute: UAEU
College: College of Food and Agriculture
Department: Food Science
Project Supervisor: Sajid Maqsood Maqsood Ahmed

OP14
Indoor Navigation System for the Visually Impaired
Presenter(s): Anoud Salem Janaan Alseiari, Yasmeen Qayed Ahmed Mohammed, Shamma Abdulla Mubarak Alghafri, Noura Salim Mohamed Fadil Saeed
Institute: UAEU
College: College of Information Technology
Department: Computer Engineering
Project Supervisor: Walid Ibrahim

OP15
Exploring the UAE College Students’ Perceptual Learning Styles in Learning English as a Second Language
Presenter(s): Hanan Kazim, Bara Ksiksi
Institute: UAEU
College: College of Education
Department: Curriculum and Instruction
Project Supervisor: Negmeldin Alsheikh
OP16
Grey Water Recycling Unit
Presenter(s): Rashed Matar Al Dhaheri, Ahmed Saeed Alblooshi, Yousef Ali Al Shamsi, Mohammed Habeeb Al Saqqaf, Zayed Abdullatif Alblooshi
Institute: HCT
College: Al Ain Mens College, Faculty of Engineering, Technology and Science
Department: Mechanical Engineering
Project Supervisor: Rihana Begum Ishaq

OP17
Seismic Performance Assessment of Tall Buildings in the UAE: A Pilot Study Presenter(s): Ahmed Hamed ElZaher, Aiman Hussein, Ahmed Bakhit Mohamed, Mazen Abd El-Razek
Institute: UAEU
College: College of Engineering
Department: Civil and Environmental Engineering
Project Supervisor: Aman Mwafy

OP18
Service Quality at Chili’s Restaurant
Presenter(s): Ayesha Abdulla Alameri
Institute: HCT
College: Business Administration
Project Supervisor: Sathya Sivam

OP19
Videotaped Story Workshop Method: Stimulating University Students’ Learning and Innovation
Presenter(s): Hamda Yahya Mohamed Amin Ahmad Kazim
Institute: UAEU
College: College of Education
Department: Curriculum and Instruction
Project Supervisor: Ghadah Hassan Mohamed S. Al Abd Al Murshidi

OP20
Utilizing Virtual Reality in Assessing Socio-Cultural Sustainability in Emirati Public Housing
Presenter(s): Menatullah Mostafa M. Omar, Mona Megahed, Hamda Saeed Mohammed Al Nuaimi, Shaikha Abdulla Khamis Abdulla Al Azizi
Institute: UAEU
College: College of Engineering
Department: Architectural Engineering
Project Supervisor: Khaled Galal Zaghloul
OP22
Manufacturing 3D Printed Prosthetic Hands
Presenter(s): Ali Awad Al Ahbabi, Ahmad Saeed Al Nuami, Hazza Saeed Al Meqballi, Mariam Abdulla Al Shamsi, Yaser Ibrahim Al Badi
Institute: HCT
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Ahn, Soon-Chul

OP23
Autonomous Integrated Farming System
Presenter(s): Farouk Dalhatu, Ayesha Alnuami, Nelson Egharevba, Umar Uba Abubakar, Jasem Salman
Institute: Canadian University Dubai
College: School of Engineering
Department: Engineering Department
Project Supervisor: Moayd Aloqaily

OP25
Polyethylene/Graphene/Carbon Fiber Waste Hybrid Nanocomposites
Presenter(s): Saba Hittini, Sharouq Hamid, Mouza Albedwawi
Institute: UAEU
College: College of Engineering
Department: Chemical and Petroleum Engineering
Project Supervisor: Muhammad Iqbal

OP26
Development of a Simulation Model for Deep Drawing Process
Presenter(s): Ammar Ahmed Alburaimi, Muneir Dawood Alsayed, Ahmed Ismail Al Hatti, Amged Al Hassan
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Jaber Abu Qudeiri

OP27
An Investigation of the Impact of Internship Programs on Student Perceptions of Employability
Presenter(s): Shama Musabah Alkaabi, Khazina Rashed Alshamisi, Alia Saeed Al Mansoori
Institute: UAEU
College: College of Business and Economics
Department: Economics and Finance
Project Supervisor: Emilie Rutledge
OP28
Thermal Performance of Solar Thermal Energy Storage
Presenter(s): Fatima Rashed Shaheen Eid Alnuaimi, Shaikha Rashid Khamis Obaid Al Naqbi, Moza Mohammed Al Naqbi, Maria Abdalla Al Naqbi
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Fadi Al Naimat

OP29
Environmental Evaluation of Implementing the Deposit-Refund Scheme for Closed Loop Recycling of Water Bottles in the UAE
Presenter(s): Shaza Hammoud
Institute: American University of Ras Al Khaimah
College: School of Engineering
Department: Mechanical and Industrial Engineering
Project Supervisor: Wisam Abu Jadayil

OP30
Analysis Of The Physio-Chemical Profile Of The Soils In The Emirate Of Dubai
Presenter(s): Roudha Taha Yousuf Alhaj Nasser
Institute: Zayed University DXB
College: College of Natural and Health Sciences
Department: Life and Environmental Science
Project Supervisor: Sreepoorna Unni

OP31
Examining UAEU Student’s Satisfaction and Perception of Inclusion
Presenter(s): Bushra Mohammed Alhemiri, Saleha Salme Saleh Alkarbi, Shihana Saeed Mohammed Alqahtani, Almaha Ali Ghanim Al Ali
Institute: UAEU
College: College of Education
Department: Special Education
Project Supervisor: Hala Elhoweris

OP32
Can Traditional Emirati Food be Part of the Medical Nutrition Therapy in Chronic Kidney Disease?
Presenter(s): Mariam Husain AlHammadi
Institute: Zayed University - Abu Dhabi
College: College of Natural and Health Sciences
Department: Health Sciences
Project Supervisor: Malin Garemo
OP33
The Relationship between Inflation and Unemployment Rates in the USA in the Period 1965 - 2000
Presenter(s): Nuru Majid Said Salim
Institute: UAEU
College: College of Business and Economics
Department: Finance and Banking
Project Supervisor: Mrithika Shamsuddin

OP34
The Effect of Gum Arabic on Blood Glycemia, Lipidemia, Body Composition and Gastrointestinal Tract in Adults at Risk of Metabolic Syndrome
Presenter(s): Reem Fahad Al Bloushi, Ousha Rashed Alkhaili
Institute: UAEU
College: College of Food and Agriculture
Department: Nutrition and Health
Project Supervisor: Amjad Jarrar, Ayesha Al Dhaheri

OP35
Investigating Construction Quality Assurance in Buildings under Construction using an Infrared Thermal Imager
Presenter(s): Noor Ahmad Suleiman, Rahma Mohamed Abdelghani, Yasmin Abdou, Boshra Alkhozheya
Institute: UAEU
College: College of Engineering
Department: Architectural Engineering
Project Supervisor: Rahma Hassan Hagi Adan

OP36
Assessment of Salt Intake among UAE Population using 24-hour Urine Analysis
Presenter(s): Amira Yaslem Al Breiki, Alia Al Baloushi, Shaima Al Halabi
Institute: UAEU
College: College of Food and Agriculture
Department: Nutrition and Health
Project Supervisor: Amjad Jarrar

OP37
The Theory of Transitive Oppression
Presenter(s): Muna Husam Alkhateeb
Institute: Zayed University Abu Dhabi
College: College of Humanities and Social Sciences
Department: International Relations
Project Supervisor: William Bianco
**OP38**
*Water Consumption at UAEU*
**Presenter(s):** Rauda alneyadi  
**Institute:** UAEU  
**College:** College of Humanities and Social Sciences  
**Department:** Geography and Urban Planning  
**Project Supervisor:** Mohamed Yagoub Mohamed

**OP39**
*Influence of Mineralogical Composition and Texture of Carbonate Rocks on Durability*  
**Presenter(s):** Malaz Osman Ali, Haneen Edhar Abouhaligah, Moza A Baloch, Diab Bakri Abdelrahman Hag, Hamdan Abdo Ali Algaishi  
**Institute:** UAEU  
**College:** College of Science  
**Department:** Geology  
**Project Supervisor:** Hasan Arman, Saber Hussein

**OP40**
*Students’ Perspectives on the Use of Educational Technologies in the Classroom*  
**Presenter(s):** Chaimae Abdouh  
**Institute:** American University in the Emirates  
**College:** College of Business Administration  
**Department:** Marketing  
**Project Supervisor:** Nikolina Ljepava

**OP41**
*Smart Leg Assistant Brace (SLAB)*  
**Presenter(s):** Thuyzan Saif Saeed Al Yousefi  
**Institute:** HCT  
**College:** Al Ain Mens College  
**Department:** Mechanical Engineering  
**Project Supervisor:** Younes Mohd Awad Al Younes

**OP42**
*Older but Wiser? Age and Loss Aversion in Professional Tennis*  
**Presenter(s):** Fajer Ahmed Almarzooqi  
**Institute:** Zayed University  
**College:** College of Business  
**Department:** Economics  
**Project Supervisor:** Kerim Arin
Unsafe Behaviour of Bicyclists in Al Ain, UAE: An Observational Study
Presenter(s): Ahmed Younis Al Khateeri, Mohammed Ali Al Ahbabi, Mohammed Ali Alyafei, Saeed Khaled Saeed Al Kaabi
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Institute of Public Health
Project Supervisor: Michal Grivna

Analysis and Design of a Single Phase Voltage-frequency Converter with an Optimized PI Controller
Presenter(s): Basil Mohamed Elfatih Hamad, Nasser Rashid Al Darmaki, Abdulrahman Mohamed Al Dosari, Mohamed Abdullah Al Hammadi
Institute: UAEU
College: College of Engineering
Department: Electrical Engineering
Project Supervisor: Hussain Shareef

Connecting Cultures: Examining Shared Themes between Emirati Folklore and African American Folklore
Presenter(s): Muna Khamis Eisa Taj Addin Mohammed
Institute: UAEU
College: College of Humanities and Social Sciences
Department: English Literature
Project Supervisor: Phyllisa Smith Deroze

Land Use Attributes and Access to Public Transportation: The Case of Al Ain, UAE
Presenter(s): Fatema Ali Al Zaabi, Hamda Khalid Al Mheiri, Meera Khalfan Al Dhaheri
Institute: UAEU
College: College of Engineering
Department: Architectural Engineering
Project Supervisor: Sahera Bleibleh

Roles of Narratives in Civic Crowdfunded Projects: Linguistic Style, Message Substance, and Crowdfunding Success
Presenter(s): Nasreen Suleiman, Rajaa Karaouzene
Institute: UAEU
College: College of Business and Economics
Department: MIS
Project Supervisor: Chang Lee
OP48
The Effects of Sustainable Food Innovation on Consumers’ Perceived Cost/Benefit, Risk and Uncertainty, and Attitudes
Institute: UAEU
College: College of Food and Agriculture
Department: Agribusiness
Project Supervisor: Aydin Basarir

OP49
English-Based Lexical Calques in Arabic Journalistic Texts: Lexical and Cognitive Implications
Presenter(s): Rauda Mohammed Aldhaheri, Farah Hosam Atef, Hafsa Alfalasi, Mariam Ghrair ElRomaithi
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Translation Studies
Project Supervisor: Jamal Mohamed Giaber

OP50
Modulation of Glucose Metabolism by Date Seeds in Human Hepatic Cells (HepG2)
Presenter(s): Fatima Mohamed Mohieldin Abdelfattah, Khula Salem Khamis Albadi, Mentalla Hussein Moustafa Adib
Institute: UAEU
College: College of Food and Agriculture
Department: Nutrition and Health
Project Supervisor: Carine Platat

OP51
Reshaping the Future: Economic and Social Impacts of Artificial Intelligence on UAE Society
Presenter(s): Latifa Mohammed Khalfan Al Neyadi
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Sociology
Project Supervisor: Paul O’Connor

OP52
Bacterial Community Structure and Physicochemical Properties of Saline Sandy Soil in Response to Long-term application of Compost and Biochar
Presenter(s): Ayesha Ahmed Alblooshi
Institute: Zayed University DXB
College: College of Natural and Health Sciences
Department: Life and Environmental Sciences
Project Supervisor: Munawwar Ali Khan
OP53
Integrating Environmental Education in the School Curriculum at Primary and Secondary Level in the UAE
Presenter(s): Mohammed Maali, Ruia Maali, Amal Ahmed
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Geography and Urban Planning
Project Supervisor: Naeema Al Hosani

OP54
The Influence of Evolutionary Psychology on Human Mating and Sexual Behaviour Presenter(s): Nida Mohammad Fayyaz
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Psychology and Human Counseling
Project Supervisor: Mohammed Elhammoumi

OP55
A Comparative Study of Clustering Algorithms for Mixed Dataset
Presenter(s): Maryam Alharmoodi, Hessa Hassan
Institute: UAEU
College: College of Information Technology
Department: Information Security
Project Supervisor: Saad Harous

OP56
Assessment of Food Risks Associated with Home-made Foods vended over Social Media in the UAE
Presenter(s): Enan Nawafleh, Aseilah Alheftei, Maithah Albreiki, Mznah Salem Al Dhanhani, Maitha Mohammad
Institute: UAEU
College: College of Food and Agriculture
Department: Nutrition and Health
Project Supervisor: Nuha Mustafa, Ayesha Salem Obaid S. Al Dhaheri

OP57
Developing and Testing of Heat Sink Utilizing PCM Material with Enhanced Thermophysical Features
Presenter(s): Faris Omar Mahmoud Safieh, Sami Salem Ahmed, Salem Ahmed Alzaabi, Mohammed Abobaker Abduljabbar
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Salahaddin Al-Omari
**Poster Presentations**

Ground Floor CIT: Main Hallway, Exhibition Hall (G023) & Study Hall (G033)

**PP1**
**Effects of Co-infection with Respiratory Syncytial Virus and Influenza A Virus on Viral Load and Pulmonary Function in Mice**
**Presenter(s):** Maryam Alhammadi, Amal Mohammed Alshehyari, Shaikha Hasan Yousef Alshamsi  
**Institute:** UAEU  
**College:** College of Medicine and Health Sciences  
**Department:** Pediatrics  
**Project Supervisor:** Ahmed Deemas Al Suwaidi

**PP2**
**Do Male Siamese Fighting Fish Exhibit the Dear Enemy Phenomenon?**  
**Presenter(s):** Omar Alblooshi, Mohammad Siddig, Rabie Barka, Aiman Ksiksi  
**Institute:** UAEU  
**College:** College of Science  
**Department:** Biology  
**Project Supervisor:** Sofyan H. Aalyan

**PP3**
**Assessing Commercial 3D Scanners to Reproduce Structural Elements**  
**Presenter(s):** Alyazia Alshamsi, Asma Aldarmaki  
**Institute:** UAEU  
**College:** College of Engineering  
**Department:** Mechanical Engineering  
**Project Supervisor:** Waleed Khalil Ahmed, Hamad Al Jassmi

**PP4**
**Reducing the Harmful Impact of the PrePreg Scrap from Domestic Aerospace Industries Using Compression Molding to Preserve the UAE Environment**  
**Presenter(s):** Aya Mansour, Hend Ali Rashed Abdulla Alqaidy, Mariam Abdullah Saberi Alhammadi, Haleimah Salem Mohamed Ali Alabdouli, Aya Rashed Abdulla Alqaidy  
**Institute:** UAEU  
**College:** College of Engineering  
**Department:** Mechanical Engineering  
**Project Supervisor:** Waleed Khalil Ahmed, Ali Al Naqbi
PP5
A Virtual Model of Primitive Learning
Presenter(s): Shamma Alwheibi, Alshaimaa Alnaqbi, Fatima Msafir
Institute: UAEU
College: College of Information Technology
Department: Computer Science
Project Supervisor: Boumediene Belkhouche

PP6
Removal of Cr(VI) from Polluted Water Using Magnetically Separable Goethite Fe2O3@SiO2@FeOOH Nanoparticles
Presenter(s): Nayla Mohammed AlNuaimi, Sara Saada, Salma Alrashdi, Fatima Alnuaimi
Institute: UAEU
College: College of Science
Department: Chemistry
Project Supervisor: Ruwaya Rashed Hamad Sultan Al Kendi

PP7
Ca2+, Zn2+ Sulfate Polycarboxylate Bone Cement: Formation and Characterization
Presenter(s): Shafaa Abobaker Al-Maqdi
Institute: UAEU
College: College of Science
Department: Chemistry
Project Supervisor: Yaser Elhanafy Afifi

PP8
LEA 2 Protein
Presenter(s): Wisam Khader, Mohammad Karam
Institute: UAEU
College: College of Food and Agriculture
Department: Aridland
Project Supervisor: Khaled Masmoudi

PP9
Drone for Trees
Presenter(s): Ali Amer Alshamsi, Saeed Hashem Alkayyoomi, Khaled Taleb Alblooshi, Aeda Rashed Alkindy, Shehab Tareq Almessbi
Institute: HCT
College: Al Ain Mens College
Department: Mechanical Engineering
Project Supervisor: Hussein Al Wedyan
PP10
The Negative Influence of Smart Devices on Children’s Health in the UAE
Presenter(s): Amna Sultan, Mariam Ali Alnuaimi, Manal Ahmad Albloushi, Jawaher Saeed AlNaseri
Institute: HCT
College: Al Ain Women’s College
Department: Computer Information Sciences
Project Supervisor: Abdel Karim Al Tamimi

PP11
Cost-effective Design Solution for Hammerhead Bent Caps
Presenter(s): Nour Walid Hassan, Alyazia Ali Albloushi, Fakhera Mohammed Alnuaimi
Institute: UAEU
College: College of Engineering
Department: Civil and Environmental Engineering
Project Supervisor: Tamer Abdallah Maaddawy

PP12
Designing and Developing Innovative Structural Engineering Failure Experiment Using Additive Manufacturing Technology
Presenter(s): Asma AlDramaki, Alyazia AlShamsi
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Waleed Khalil Ahmed, Hamad Al Jassmi

PP13
The Influence of Social Media on Online Shopping in the UAE
Presenter(s): Mouza Alkhaili, Reem Mohammed, Reem Rashed, Khawla Salem
Institute: HCT
College: AlAin Womens College
Department: Computer Information Sciences
Project Supervisor: Abdel Karim Al Tamimi

PP14
Effects of Probiotics on Gastric Epithelial Cells
Presenter(s): Amal Alkhoori, Farah Al-Yassir, Subi Sugathan, Prashanth Saseedharan
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Anatomy
Project Supervisor: Sherif Karam
PP15
**Simultaneous Extraction–reaction Process for Biodiesel Production from Microalgae**

**Presenter(s):** Hiyam Hisham Haras, Reem Shomal, Amal Mlhem, Rawan Hassan  
**Institute:** UAEU  
**College:** College of Engineering  
**Department:** Chemical Engineering  
**Project Supervisor:** Sulaiman Al-Zuhair

PP16
**Vehicle Emissions Mapping in Major Cities in the UAE**

**Presenter(s):** Ahmed Bin Sarhak, Mohammed Khamis Al Hassani, Abdulrahman Humaid Almheiri, Abdulla Hussain Al Blooshi, Hussain Musaed Al Wahedi  
**Institute:** HCT – Al Ain  
**College:** Faculty of Engineering, Technology and Science  
**Department:** Mechanical Engineering  
**Project Supervisor:** Rihana Begum Ishaq

PP17
**The Effect of Tolerance on Employees Emotional Burnout**

**Presenter(s):** Fatema Ahmed, Reem Juma, Shamma Ibrahim, Najwa Hussain  
**Institute:** Zayed University  
**College:** College of Business  
**Department:** Human Resources  
**Project Supervisor:** Taiba Hussain

PP18
**What Does my Teacher Want from me? Teachers’ Expectations of Children Starting School in the UAE**

**Presenter(s):** Fatme Ali Mohamad, Mouza Abdulla Mohammed  
**Institute:** UAEU  
**College:** College of Education  
**Department:** Curriculum and Instruction  
**Project Supervisor:** Rachel Alison Takriti

PP19
**The Impact of Financial and Economic Factors on Islamic Funds Performance**

**Presenter(s):** Aysha Saif Alketbi  
**Institute:** UAEU  
**College:** College of Business and Economics  
**Department:** Finance and Banking  
**Project Supervisor:** Chiraz Labidi
PP20
Food Deserts: the Lack of Access to Quality Fresh Vegetables in the Abu Dhabi Emirate
Presenter(s): Azza Ali Abdulla AlBadi, Amal Saif Salem Alashkhari, Fatima Ibrahim Hussain Ali
Institute: UAEU
College: College of Food and Agriculture
Department: Agribusiness
Project Supervisor: Eihab Mohamed Fathelrahman

PP21
Price History and Social Media Mining To Predict Stock Market Movement
Presenter(s): Shamsa Rashed, Fatima Alkaabi
Institute: UAEU
College: College of Information Technology
Department: Information Security
Project Supervisor: Salah Bouktif

PP22
Experimental Investigation of the Stability and Characterization of Nanofluids under Different Surfactants Weight Percentage
Presenter(s): Ameereh Seyedzadeh, Aaisha Khamis Al Yahyaai, Aysha Rashed Awad Alshamsi, Dina Al Jamal
Institute: UAEU
College: College of Engineering
Department: Mechanical Engineering
Project Supervisor: Emad Eldeen Jamil Elnajjar

PP23
Socotra Cormorants, Foxes and Gazelles’ Behavior on Siniya Island
Presenter(s): Aseel AbdelKarim Abu Shawish
Institute: UAEU
College: College of Science
Department: Biology
Project Supervisor: Sabir Muzaffar

PP24
Affect of Aryl Hydrocarbon Receptors in Gastric Stem Cells Activation
Presenter(s): Anoud Ahmed Bin Hraiz, Shakila Afroz, Amal AlKhoori
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Anatomy
Project Supervisor: Sherif Karam
The Evolution of Battery Technology
Presenter(s): Sheikh Tijan Jobe, Bashar Hiatham Al Zohily, Aymane Bennaser
Institute: UAEU
College: College of Science
Department: Chemistry

Bond Performance of Fiber Reinforced Polymer Bars in Recycled Concrete
Presenter(s): Ebtesam M. Ahmed Alghafri, Shaima A. Jaafar Aldaweela, Noura B. Yaqoob AlTamimi, Hamda A. Saeed Aljuberi
Institute: UAEU
College: College of Engineering
Department: Civil and Environmental Engineering
Project Supervisor: Ahmed Godat

How old are Clastic Materials Covering the Al Ain Area, UAE?
Presenter(s): Mariam Ahmed Ali Murad Al Raeesi
Institute: UAEU
College: College of Science
Department: Geology
Project Supervisor: Osman Abdelghany

Thermal Imaging Autonomous Drone for Aerial Surveillance
Presenter(s): Alanoud Hamad Al Shamsi, Alanoud Abdulla Alshamsi, Aysha Khamis Al Dhaheri, Aysha Fares Aldhaheri
Institute: HCT
College: College of Engineering
Department: Aeronautical Engineering
Project Supervisor: Utsav KC

Assessment of Environmental Knowledge and Recycling Practices of UAE High School Students
Presenter(s): Shaikha Ismail Alblooshi, Reem Sultan Alameri, Asma Abdulla Alyammahi
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Geography and Urban Planning
Project Supervisor: Tareefa Saad Sultan S.AlSumaiti
PP31
Starch and Camel Whey Protein Stabilized Nano-emulsion as a Potential Carrier for Vitamin D3
Presenter(s): Noura Al Mansouri
Institute: UAEU
College: College of Food and Agriculture
Department: Food Science
Project Supervisor: Sajid Maqsood Maqsood Ahmed

PP33
Analysis of Tricarboxylic Acid Cycle Metabolites by Ultra-performance Liquid Chromatography-tandem Mass Spectrometry in Dried Blood Spots
Presenter(s): Naila Ahli, Lamia Alhammadi
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Pediatrics
Project Supervisor: Osama Aldirbashi

PP34
In Vitro Investigation of Health-Promoting Benefits of Fermented Camel Sausage by Novel Probiotic Lactobacillus Plantarum: A Comparative Study with Beef Sausages
Presenter(s): Aysha AlMheiri, Mouza Aldhaheri, Bakhita Raeisi
Institute: UAEU
College: College of Food and Agriculture
Department: Food Science
Project Supervisor: Mutamed Ayyash

PP36
The Application of RAVLT on Healthy Native Arabic Speakers in UAEU
Presenter(s): Waala Dhafer AlAhbabi, Aisha Manzar Alam Sadfi
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Linguistics
Project Supervisor: Alexandra Marquis

PP37
Polyester Composites Reinforced with Date Palm Fibers
Presenter(s): Dalal Ahmed Aljneibi, Alyaa Sultan Alhefeiti, Nada Awad Elsayed Mousa, Mariyam Abdullah Aljaberi
Institute: UAEU
College: College of Engineering
Department: Chemical and Petroleum Engineering
Project Supervisor: Basim Moh’d Ismail Abu-Jdayil
PP38
The Burden of Gestational Diabetes Mellitus in Emirati Pregnant Women: Results from Mutabaah Study.
Presenter(s): Sara Salem Masoud Al Dhaheri, Aysha Salem Obaid AlDhaheri, Hessa Ali Hamed AlNeyadi, Maha Hamad Ali Alazeezi
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Public Health
Project Supervisor: Luai Ahmed

PP39
Hair and Salivary Cortisol as a Biomarker of Stress in UAE University Students
Presenter(s): Amel Mameri, Raghda Ahmed Aly, Hana Hamdan, Mariam Al Kaabi, Asmaa Alsereidi
Institute: UAEU
College: College of Science
Department: Chemistry
Project Supervisor: Iltaf Shah

PP40
Tables of Equation-Of-State, Thermodynamic Properties, and Shock Hugoniot for Hot Dense Fluid Hydrogen
Presenter(s): Amro Imam, Mohamad Ali Alawadhi
Institute: UAEU
College: College of Science
Department: Physics
Project Supervisor: Mofreh Ramadan Zaghloul

PP41
Cardiovascular Risk Factors and Mortality Among Acute Coronary Syndrome in Middle East: A Systematic Review and Metanalysis
Presenter(s): Abdulla Mahmoud Abdulla Ahmed Mohamed, Hassan Hussain Nasir Abboudi
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Medicine
Project Supervisor: Abdullah Shehab

PP42
Association Studies on Genetic Variants in UAE Schizophrenic Patients.
Presenter(s): Mohammed Ali Al Ahbabi, Zahra Mohammed Asyan Almansoori
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Pathology
Project Supervisor: Bassam Ali
PP43
Economic and Environmental Consequences of Black Powder in Oil/Gas pipelines Phenomenon and Proposed Solutions
Presenter(s): Abdulrahman Khaled Alzaabi, Salma Mohamed Abdelwahab, Hassan Faham Hassan Alhamoudi
Institute: American University of Ras Al Khaimah
College: College of Engineering
Department: Petroleum
Project Supervisor: Saad Abdallah Balhasan

PP44
An Implicit Hybrid Method for Solving Fractional Bagley–Torvik Boundary Value Problem
Presenter(s): Safa Emad Alrefai, Sondos Hasan Alkaldi
Institute: UAEU
College: College of Science
Department: Mathematical Sciences
Project Supervisor: Mohamed Ibrahim Syam

PP45
Bone Biomechanics in Non-obese Animal Model of Type 2 Diabetes Mellitus
Presenter(s): Husain Yahya Chaqfa
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Anatomy
Project Supervisor: Sahar Mohsin

PP46
Cloning and Preliminary Analysis of the Role of a Novel Long Non-Coding RNA in Development and its Contribution to Metabolic Diseases using a Rodent Model System
Presenter(s): Mahra Ibrahim Khamis Khalfan Alyahyaee, Meera Rashed Omair Mohammed Alshamsi, Mahra Rashed Sultan Ali Alshamsi
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Anatomy
Project Supervisor: Emeraldbright Starling

PP47
β-caryophyllene Attenuates Lipid Peroxidation and Improves Non-enzymatic Antioxidants in Isoproterenol Induced Myocardial Necrosis in Rats
Presenter(s): Husain Yahya Chaqfa, Mohammed Marzouq Al Ahbabi, Mahra Ibrahim Alyahyaee, Shamsa Said Alalawi
Institute: UAEU
College: College of Medicine and Health Sciences
Department: Pharmacology and Therapeutics
Project Supervisor: Shreesh Kumar Ojha
PP48
On Extended $q$-Raabe Integrals and Applications of Gospers $q$-Trigonometry
Presenter(s): Rasha Majed Shat, Fatima Abdulla Omar Albreiki, Sara Awni Alkhatib
Institute: UAEU
College: College of Science
Department: Mathematical Sciences
Project Supervisor: Mohamed El Bachraoui

PP49
Impact of Student-Faculty Interaction on College Student Attitudes and Outcomes
Presenter(s): Semma Saad, Maryam V. Abdullah, Sara Alansari
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Psychology and Counseling
Project Supervisor: Brettjet Cody

PP51
The Effect of Elevated Light and Temperature on Gulf Corals’ (Platgyra Dadlea) Health
Presenter(s): Salma Mohamed Aljaberi, Lulwa Abdelsamad Alblooshi
Institute: Zayed University
College: College of Natural and Health Sciences
Department: Life and Environmental Sciences
Project Supervisor: Henrik John Stahl

PP52
Flexural and Shear Responses of Hybrid Fiber Reinforced Geopolymer Concrete
Presenter(s): Zakaria Elkaraouf, Ali Dhaif Allah Ali Saleh
Institute: UAEU
College: College of Engineering
Department: Civil Engineering
Project Supervisor: Said Abdelfattah Said Elkhouly

PP53
Experimental and Numerical Studies of Structural Performance of Notch Damaged Steel Beams
Presenter(s): Zakaria Elkaraouf, Ali Dhaif Allah Ali Saleh
Institute: UAEU
College: College of Engineering
Department: Civil Engineering
Project Supervisor: Said Abdelfattah Said Elkhouly
The Characteristic Polynomials of Symmetric Graphs
Presenter(s): Shamma Sultan AlDhaheri, Mei Yousef Tahnon, Amna A. E. Abunamous
Institute: UAEU
College: College of Science
Department: Mathematical Sciences
Project Supervisor: Nafaa Chbili

MaxEnt and Species Distribution
Presenter(s): Shima Khamis Ali Al-Badi, Salama Khamis Abdulla Al Kaabi, Shamsa Mohammed Khalifa Alameemi, Fatima Eltayeb Hassan, Sanad Mohammed Salem Fareaa
Institute: UAEU
College: College of Science
Department: Biology
Project Supervisor: Taoufik Ksiksi

In Vitro Investigation of the Physical and Functional Interaction between Angiotensin II and Thrombin Receptors
Presenter(s): Saida Hafsa Rafique, Marwa Musallam, Amie Jobe
Institute: UAEU
College: College of Science
Department: Biology
Project Supervisor: Mohammed Ayoub

The Impact of High-tech Machinery on the Design Field
Presenter(s): Hamda Abdulla Ahmad Aljasmi
Institute: Zayed University
College: College of Arts and Creative Enterprises
Department: Interior Design
Project Supervisor: Thorsten Lomker

Peroxidase-mediated Degradation of Twenty Different Emerging Pollutants
Presenter(s): Alanood Gharib Alblooshi, Shamma Alrashdi, Maitha Alrashdi, Mahra Alyahyaee, Halima Alawani
Institute: UAEU
College: College of Science
Department: Chemistry
Project Supervisor: Syed Salman Ashraf
PP59
Electronic and Optical Properties of Layered 2-D InSe and GaSe Materials: Ab initio Study
Presenter(s): Khulood Alshehhi, Mariam Ahmed Elkasllan, Juwayni Lucman, Basem Abdel Aziz
Institute: UAEU
College: College of Science
Department: Physics
Project Supervisor: Amrane Noureddine

PP60
A Simulation Analysis of a Multi-Periods Dual Sourcing Supply Chain
Presenter(s): Reem Badran, Shaikh Alyammahi, Reem Mossabeh
Institute: UAEU
College: College of Engineering
Project Supervisor: Kilani Ghoudi

PP61
Autism Identification and Severity Scale for UAE Children of 16 to 36 Months Age
Presenter(s): Khulood Ahmed Alhebsi, Watfa Salem Mohammed, Hajar Saleh, Ala Hassan Mohamed
Institute: UAEU
College: College of Education
Department: Special Education
Project Supervisor: Mohammed Safi

ePoster Presentations

Exhibition Hall (G023) & Study Hall (G033)
eP1
The Effect of FOMO on Female Students in UAEU
Presenter(s): Nada Salahudeen Kamel Qattan, Hasna Nasser Saeed Khamis Mana
Institute: UAEU
College: College of Humanities and Social Sciences
Department: English Literature
Project Supervisor: Mary Theresa Donnenworth

eP2
The Possibility of Introducing Urban Farms in Al Ain City
Presenter(s): Jawaher Ebrahim Mohamed Al Shehhi, Shamsa Mohammed Alkaabi, Latifa Obaid Almheiri
Institute: UAEU
College: College of Humanities and Social Sciences
Department: Geography and Urban Planning
Project Supervisor: Marwan El Mubarak
eP3
Electronic and Optical Properties of GaSe and InSe: an Analysis using LAPW - LDA, GGA, MBJ Methods – Wien2K Package
Presenter(s): Alam Saj, Ibrahim Al Ghoul, Juwayni Lucman, Basem Abdel Aziz
Institute: UAEU
College: College of Science
Department: Physics
Project Supervisor: Maamar Benkraouda

eP4
Self Powered Hearing Aid System
Presenter(s): Asma Abdelrazaq, Huda AlNuaimi, Khulood AlMarzooqi, Rim Abidi
Institute: UAEU
College: College of Engineering
Department: Electrical Engineering
Project Supervisor: Mahmoud F. Al Ahmad

eP5
Physible Mobile Application
Presenter(s): Afaf Saleh Al Jaberi
Institute: UAEU
College: College of Science
Department: Physics
Project Supervisor: Ehab Malkawi

eP6
Date Seed Powder in Baked Goods
Presenter(s): Maitha Rashed Alkaabi
Institute: UAEU
College: College of Food and Agriculture
Department: Food Science
Project Supervisor: Constantinos Stathopoulos

eP7
Job Helper: A Solution to Students’ Post-graduation Concerns
Presenter(s): Sheikha Mohammad Inam Ul Haq
Institute: UAEU
College: College of Business and Economics
Department: Business Administration
Project Supervisor: Poh Yen Ng

eP8
Spatio-Temporal Mapping of Water Consumption at Public Institutions: a Case Study of the United Arab Emirates University
Presenter(s): Latifa Ebrahim Obaid AlMheiri, Yaqein Ahmed Saeed AlHashmi, Rauda Abdullah Saeed AlNeyadi
eP9
How Can Campaign Awareness be used to Minimize Cancer Death Rate in the United Arab Emirates (UAE)?
Presenter(s): Deo Niyonkuru, Emmanuel Tuyishime
Institute: UAEU
College: University College
Project Supervisor: Ahmad Bello Abubakar

eP10
Extraction of Natural Resources without Environmental Degradation in the UAE
Presenter(s): Aubin Cyiza, Noel Umukunzi, Joel Klint Kayihura
Institute: UAEU
College: University College
Project Supervisor: Ahmad Bello Abubakar

eP11
Rain in the UAE
Presenter(s): Fatima Sultan Salem Obaid Alnuaimi, Ghaya Z. Ahmed Mohammed Alawadhi, Shamsa Rashid Saif Alshamsi, Amel Abdalla Ibrahim Abdullrhman Abdalla
Institute: UAEU
College: University College
Project Supervisor: Michael Flemming

eP12
International Portfolio Diversification for the UAE: Fresh Evidence from a New Approach
Presenter(s): Aysha K. Rashed Al Kaabi, Aysha A. Saeed Al Nuaimi, Shaikha M. Rashed Al Kaabi, Azza Ali Al Kaabi, Shaikha Khalifa Al Kaabi
Institute: UAEU
College: College of Business and Economics
Department: Economics and Finance
Project Supervisor: Abdulnasser Hatemi Jarabad

eP13
Energy Usage in the UAE: Renewable Energy's and Non-renewable Energy's Trends and Challenges
Presenter(s): Najat Abdelmalik Mohamed, Wa’ad Mohamed Hassan
Institute: UAEU
College: College of Business and Economics
Department: Economics and Finance
Project Supervisor: Emilie Rutledge
**eP14**  
**Honey Concentrate as an Organic Preservative**  
**Presenter(s):** Maitha Mohammed Al Nahdi  
**Institute:** UAEU  
**College:** College of Food and Agriculture  
**Department:** Nutrition and Health

**eP15**  
**Building an Artificial Brain into a NAO Robot: A Study to Understand Human Performance under Pressure**  
**Presenter(s):** Ruqaya Saleh Saleh Alhemeiri, Maitha Salem Altheeb Alnuaimi, Wedad Saeed Salim Almazrouei, Kholoud Rashed Ali Alyammahi, Shamma Mohammed Aleissaee  
**Institute:** UAEU  
**College:** College of Information Technology  
**Department:** Computer Science and Software Engineering  
**Project Supervisor:** Fady S. Alnajjar

**eP16**  
**The Effect of Blended Learning on Students’ Performance in the Arab Universities: a Meta Analysis/Systemic Review**  
**Presenter(s):** Wala Ahmad, Hamda Alrashdi, Kaouthar Madi  
**Institute:** UAEU  
**College:** College of Business and Economics  
**Department:** Statistics  
**Project Supervisor:** Tamimount El Bachraoui Ennaji, MD Shahadut Hossain

**eP17**  
**Detoxification of Produced Water**  
**Presenter(s):** Reem Mosabbeh, Iness Belkalai  
**Institute:** UAEU  
**College:** College of Engineering  
**Department:** Chemical and Petroleum Engineering  
**Project Supervisor:** Essa Georges Lwisa

**eP18**  
**Does Transparency Matter in a Government Ownership Setting**  
**Presenter(s):** Mariam Mohammed Ahmed Al Farsi, Mona Aboud Mohammed Bin Dahman, Sondos Ismail  
**Institute:** UAEU  
**College:** College of Business and Economics  
**Department:** Economics and Finance  
**Project Supervisor:** Jocelyn Grira

**eP19**  
**From Waste to Valuable Products, New Dimension in the Use of Palm Trees' Leaves and Fibers**  
**Presenter(s):** Meera Al Dhaheri – Ezdehar Gamil – Fatema Al Shehhi  
**Institute:** UAEU  
**College:** College of Engineering  
**Department:** Chemical Engineering  
**Project Supervisor:** Abdulrahman Alraeesi