

## Tuesday - 29 October, 2019

## Afternoon Session

13:40-14:00 & 15:20-15:40	<b>Title:</b> Zeolite/Graphene Composite Support Used for Hydrodesulfurization Reactions  <b>Authors:</b> <u>Islam Ali</u> , T. A. Saleh <b>Organization:</b> KFUPM	<b>Title:</b> Mass-producible wrinkle film for selective electrocatalytic reduction of carbon dioxide  <b>Authors:</b> <u>Hee-Tae Jung</u> , Kyeong Min Cho, Woo-Bin Jung, Issam Gereige <b>Organization:</b> KAIST	<b>Title:</b> Ligand- Free Gold Nanoclusters Confined in Mesoporous Silica Nanoparticles for Styrene Epoxidation  <b>Authors:</b> <u>Buthainah Alshankiti</u> , Prof. Niveen Khashab <b>Organization:</b> KAUST	<b>Title:</b> Selective Aerobic Oxidation of Hydrocarbons by N-Hydroxyphthalimide-Based Catalyst for Cetane Enhancement  <b>Authors:</b> <u>Maryam Altaher</u> , Christos Kalamaras, Mohammed Alqahtani <b>Organization:</b> Saudi Aramco	<b>Title:</b> Synthesis of a novel polymeric vermiculite Nanocomposite via interfacial polymerization and its appl  <b>Authors:</b> <u>Abdullah A. Basaleh</u> , Muhammad H. Al-Malack, Tawfik A. Saleh <b>Organization:</b> KFUPM	<b>Title:</b> Accelerated carbonation curing of Portland cement blended with natural pozzolana  <b>Authors:</b> J.H. Seo, Issam Amr, S.M. Park, Rami A. Bamagain, Bandar A. Fadhel, <u>H.K. Lee</u> <b>Organization:</b> KAIST	<b>Title:</b> Behavior of oxygenated organic in high pressure of pure oxygen environment  <b>Authors:</b> <u>Walid M. Alalayah</u> <b>Organization:</b> KAU	<b>Title:</b> The separation of water-insoluble benzene isomers by cucurbit[7]uril solution  <b>Authors:</b> <u>Gengwu Zhang</u> , Niveen M. Khashab <b>Organization:</b> KAUST

## Wednesday - 30 October, 2019

## Morning Session

10:20-10:40	<b>Title:</b> Direct Aromatization of Light Hydrocarbons Using Metal-Doped Zeolite Catalysts  <b>Authors:</b> <u>Yaming Jin</u> , Mostafa Matar, Omer Koseoglu, Abdullah Aitani, Ziyauddin Qureshi, M. Naseem Akhtar, Saad Al-Qahtani, Hassan Al-Asiri <b>Organization:</b> Saudi Aramco	<b>Title:</b> Advanced Materials Characterizations for Identifying Corrosion-related Challenges in Water Supply System  <b>Authors:</b> <u>Anaam H. AlShaikhAli</u> , Yahya T. AlJanabi <b>Organization:</b> Saudi Aramco	<b>Title:</b> Novel Multi Functional Catalyst for CO2 to Light Olefins  <b>Authors:</b> <u>Ahmad Alrefaei</u> , Isidoro Morales, Wei Xu, Ayyaz Muhmmad & Abdulrahim Alzahrani <b>Organization:</b> Saudi Aramco	<b>Title:</b> The role of ammonium fluoride(NH4F) in the synthesis and characterization of a 2D zeolite  <b>Authors:</b> <u>Alhassan Ibrahim</u> , Saheed Adewale Ganiyu, and Khalid R. Alhooshani <b>Organization:</b> KFUPM	<b>Title:</b> Construction of a layered polyelectrolyte-coated silica with aspartic acid for Cd(II) removal  <b>Authors:</b> <u>Zakariyah A. Jamiu</u> , Shaikh A. Ali <b>Organization:</b> KFUPM	<b>Title:</b> New Advances in Pillar Fracturing Using Emulsified Resins.  <b>Authors:</b> <u>Nour O Baqader</u> , Qasim A Sahu, Rajendra A Kalgaonkar and Khalid R Noaimi <b>Organization:</b> Saudi Aramco	<b>Title:</b> Selective Palladium-Catalyzed Synthesis of Diesters  <b>Authors:</b> <u>Muhammad Sharif</u> <b>Organization:</b> KFUPM	<b>Title:</b> Synthesis and Characterization Of Copper-Based Hydrogels for Carbon Dioxide Separation Applications  <b>Authors:</b> <u>Mona Al-Dossary</u> <b>Organization:</b> Saudi Aramco

## Wednesday - 30 October, 2019

## Afternoon Session

13:40-14:00 & 15:20-15:40	<p><b>Title:</b> Investigation of the compatibility and utilization of heavy fuel fly ash in asphalt concrete</p> <p><b>Authors:</b> <u>Ghouse Baig Mirza, Al-Mallack H.M</u> <b>Organization:</b> KFUPM</p>	<p><b>Title:</b> New Technology to Selectively Enter and Log Slim Openhole Multi-Laterals in a Gas Environment - Case</p> <p><b>Authors:</b> <u>Abubaker Saeed, Saad Hamid</u> <b>Organization:</b> Saudi Aramco</p>	<p><b>Title:</b> Modeling catalyst deactivation in heterogeneous Fenton-like oxidation reactions</p> <p><b>Authors:</b> <u>Shaker Haji, Elamin Elkanzi, Turki Aljawder, Mohamed Sabea, and Shakeel Ahmed</u> <b>Organization:</b> University of Bahrain</p>	<p><b>Title:</b> Analysis of sustainable CCU paths producing fuel additive for CO2 reduction with computer-aided tool</p> <p><b>Authors:</b> <u>Hyungmuk Lim, Wonseok Chung, Hasan Imran, Ali S. Al Hunaidy</u> <b>Organization:</b> KAIST</p>	<p><b>Title:</b> Dry reforming of methane with CO2 over a Ni-Mo-MgO nanocatalyst</p> <p><b>Authors:</b> <u>Cafer T. Yavuz, Youngdong Song, Ercan Ozdemir, Sreerangappa Ramesh, Aldiar Adishev, Saravanan Subramanian, Aadesh Harale, Mohammed Albuali, Bandar Fadhel, Aqil Jamal, Dohyun Moon, Sun Hee Choi</u> <b>Organization:</b> KAIST</p>	<p><b>Title:</b> Development of a novel tetra-metallic electrocatalyst for the commercial viability of electrolyzers</p> <p><b>Authors:</b> <u>Afzal Shah, Muhammad Asad, Mohammad Salim Akhter and Sadeq Al-Alawi</u> <b>Organization:</b> University of Bahrain</p>	<p><b>Title:</b> Properties of supersaturated vanadium (V) electrolyte for high energy density vanadium</p> <p><b>Authors:</b> <u>Faizur Rahman</u> <b>Organization:</b> KFUPM</p>	<p><b>Title:</b> Sensitization of Nanostructured TiO2 layer with Dye Extracted from Peels</p> <p><b>Authors:</b> <u>Khalil Ebrahim Jasim, Najla Mirza AlQassas</u> <b>Organization:</b> University of Bahrain</p>
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## Thursday - 31 October, 2019

## Morning Session

10:20-10:40	<p><b>Title:</b> Clamp-on Flow Meters: A Review</p> <p><b>Authors:</b> <u>Muhammad Arsalan</u> <b>Organization:</b> Saudi Aramco</p>	<p><b>Title:</b> Effect of acid and sour conditions on ceramic proppant</p> <p><b>Authors:</b> <u>Abdullah S. Al-Enezi, Nayef M. Alanazi, Abdullah M. Al Moajil and Anaam H. Shaikh</u> <b>Organization:</b> Saudi Aramco</p>	<p><b>Title:</b> Invert Emulsion Fluids for HTHP Conditions</p> <p><b>Authors:</b> <u>Vikrant Wagle, Abdullah Al-Yami, Sara AlKhalaf, Khawlah Alanqari</u> <b>Organization:</b> Saudi Aramco</p>	<p><b>Title:</b> Stability analysis of diesel and crude oil emulsions</p> <p><b>Authors:</b> <u>Arafat Husain, Dr Shahzaad Kamal, Dr Mamdouh AL Harthi</u> <b>Organization:</b> KFUPM</p>	<p><b>Title:</b> Microbial Influence Corrosion Investigation in Gas Gathering Facilities</p> <p><b>Authors:</b> <u>Husam Khanfar, Ammar Alsaqer, Abdulkareem Alqahtani, Nasser Huwaiji</u> <b>Organization:</b> Saudi Aramco</p>	<p><b>Title:</b> A New Approach to Maximize Hole Cleaning Efficiency</p> <p><b>Authors:</b> <u>Meshari Alshalan, Abeer Alolayan</u> <b>Organization:</b> Saudi Aramco</p>	<p><b>Title:</b> 37 GC Upgradation Project with consideration of Process Designed &amp; Simulation from Owner Perspective</p> <p><b>Authors:</b> <u>TARIQ SALMAN AL-BARJAS, Ali Yaraneri</u> <b>Organization:</b> PETROKEMYA/SABIC</p>	<p><b>Title:</b> Quantitative Rietveld Phase Analysis of Sludge Deposits from Refineries and Gas Plants</p> <p><b>Authors:</b> <u>Husin Sitepu and Rasha A. Al-Ghamdi</u> <b>Organization:</b> Saudi Aramco</p>
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