



Persian Gulf
University



University of
Petroleum and
Energy Studies

OGPC2020 Schedule at a Glance

3rd International
Biennial
Oil, Gas and
Petrochemical
Conference

OGPC | Bushehr, Iran
28-29 Dec. 2020

1st Day

DEC 28 MON

OPENING (8:00 – 10:00AM, Iran Time)

MORNING PANELS (10:30- 12:30 AM, Iran Time)

Room A
Upstream
Technologies

Room B
Downstream
Technologies

Room C
Energy and
Environment (Poster)

AFTERNOON PANELS (2:00- 4:00 PM, Iran Time)

Room A
Energy

Room B
Environment

Room C
Downstream
Technologies (Poster)

2ND Day

DEC 29 TEU

MORNING PANEL (9:00- 12:00 AM, Iran Time)

Room A
Enhanced Oil
Recovery

Room B
Downstream
Technologies

Room C
Upstream
Technologies (Poster)

AFTERNOON PANEL (2:00- 4:00 PM, Iran Time)

Room A
Energy

Room B
Upstream Technologies,
Energy and Environment

Room C
Downstream
Technologies (Poster)

CLOSING (4:30- 5:30 PM, Iran Time)

OGPC 2020

**3rd International Biennial Oil, Gas
and Petrochemical Conference**

<https://ogpc2020.pgu.ac.ir/>

Opening Panel (Morning)			
(28 Dec 2020 – 08:00-10:30 Iran time, 10:00-12:30 India time)			
Time (Iran)	Time (India)	Activities	Time
8:00-8:05	10:00-10:05	Opening Ceremony	5 min
8:05-8:10	10:05-10:10	Welcome Message from the President, PGU, Dr. Abdolmajid Mosleh Director of International Affairs and Foreign Students, PGU, Dr. Arash Khosravi	5 min
8:10-8:15	10:10-10:15	Welcome Message from the Vice Chancellor, UPES, Dr. Sunil Rai	5 min
8:15-8:20	10:15-10:20	Welcome Message from the Registrar, UPES, Dr. Veena Dutta	5 min
8:20-8:25	10:20-10:25	Welcome Message from the Dean, School of Engineering, UPES, Dr. Kamal Bansal	5 min
8:25-8:50	10:25-10:50	Minister of Petroleum and Natural Gas, Government of India <i>Mr. Amar Nath JS (E)- MoPNG ,GOI Joint Secretary-Exploration</i>	25 min
8:50-8:55	10:50-10:55	Welcome Message from the Dean, Faculty of Petroleum, Gas and Petrochemical Engineering, PGU, Dr. Seyed Abdollatif Hashemifard	5 min
8:55-9:00	10:55-11:00	Presentation Of A Brief Report Of The Conference Presenter: Prof. Reza Azin <i>Scientific Secretary of Conference</i>	5 min
9:00 - 9:30	11:00 - 11:30	Comparison Of Process Pathways For The Production Of Green Methanol Presenter: Prof. Markus Lehner (Keynote Speaker) <i>Chair of Process Technology and Environmental Protection, University of Leoben, Austria</i>	30 min
9:30 - 10:00	11:30 - 12:00	Simulation Of The Aerosol Nucleation Rate In An Amine Absorption Column Presenter: Dr. Amuiee (Keynote Speaker) <i>Nazarbayev University, Kazakhstan</i>	30 min
10:00 - 10:30	12:00 - 12:30	Break	30 min

Room A- Upstream Technologies Panel
(28 Dec 2020, 10:30 – 12:30 Iran time, 12:30 – 14:30 India time)
Chairman: Dr. Vikram Vishal
Panelists: Dr. Nimisha Vedanti, Dr. Reza Azin, Dr. Ali Ranjbar
Dr. Sunil Kumar Khare, Dr. D K Gupta, Dr. Annapurna Boruah

No.	Article code	Article title	Time
1	Keynote Speaker (1)	Hydro-Dynamics Of CO₂ Flow In Unconventional Hydrocarbon Systems Presenter: Dr. Vikram Vishal <i>Associate Professor, Department of Earth Sciences, IIT Bombay, India</i> <i>Adjunct Senior Lecturer, Department of Civil Engineering, Monash University, Australia</i>	25 min
2	Keynote Speaker (2)	Simulation Of Seismic Wave Propagation In A CO₂ Flooded Reservoir Presenter: Dr. Nimisha Vedanti <i>CSIR-National Geophysical Research Institute, Hyderabad 500 007, India</i> <i>Academy of Scientific & Industrial Research, NGRI, Hyderabad 500 007, India</i>	25 min
3	1158-OGPC2020	Severe Wellbore Instability In Gachsaran Formation Necessitating Casing While Drilling And Continuous Circulation System Presenter: Dr. Rahman Ashena (Malaysia)	20 min
4	1020-OGPC2020	Experimental Study Of Biochemical EOR In Oil-Wet Fractured Carbonate Reservoirs Presenter: Dr. Sina Rezaei Gomari (UK)	20 min
5	1012-OGPC2020	A Reservoir Characterization And Potentiality Of Economic Viability: A Case Study Of K-Creek Oil Field In Niger Delta Presenter: Chika Mckay (Nigeria)	20 min
6	1166-OGPC2020 (Reserve)	Numerical simulation of CO₂-WAG process for proper design of operating parameters Presenter: Dr. Behzad Rostami (Iran)	
	1176-OGPC2020 (Reserve)	Analyzing the Methods of Preparing Nano-fluids for Enhanced Oil Recovery Presenter: Dr. Yusef Shiri, Sanaz Samaleh (Iran)	
7	Question and Answer		10 min

Room B – Downstream Technologies Panel
(28 Dec 2020, 10:30 – 12:30 Iran time, 12:30 – 14:30 India time)

Chairman: Dr. Haider

Panelists: Dr. Kumar Annamareddy, Dr. Izad Panah, Dr. Izad Bakhsh

Dr. P Vijay, Dr. Gopalakrishnan, Dr. Mahajan

No.	Article code	Article title	Time
1	Keynote Speaker (1)	Direct Conversion Of Natural Gas To Aromatics: Catalytic And Mechanistic Insights Presenter: <i>Prof. Mohamad Ali Haider</i> <i>Department of Chemical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi, India</i>	25 min
2	Keynote Speaker (2)	In-Situ Generated Catalysts For Oxidative Dehydrogenation Of Ethane To Ethylene Presenter: <i>Dr. Sri Hari Kumar Annamareddy</i> <i>Chemical and Petrochemical Engineering Department, University of Nizwa, Sultanate of Oman</i>	25 min
3	1123-OGPC2020	A Thermoswitchable, Hydrophobically-Crosslinked Hydrogel As An Injectable Underwater Adhesive Presenter: <i>Dr. Mehdi Vahdati (France)</i>	20 min
4	1066-OGPC2020	Estimate Of Thermal Conductivity Coefficient For Cfcs By Use Of Cubic Equations (TKP Model) Presenter: <i>Mojtaba Saei Moghaddam (Iran)</i>	20 min
5	1042-OGPC2020	Two-Dimensional Mathematical Modeling Of A New Generation Of Industrial Ammonia Synthesis Reactor Presenter: <i>Dr. Mirvakili (Iran)</i>	20 min
6	1026-OGPC2020 (Reserve)	Stretching Poly (Lactic Acid) Extruded Films At Different Drawing Speeds And Temperatures Presenter: <i>Dr. Yadegari (iran)</i>	
7	Question and Answer		10 min

Room A – Energy Panel
(28 Dec 2020, 14:00 – 16:00 Iran time, , 16:00 – 18:00 India time)

Chairman: Dr. Basu

**Panelists: Dr. Hashem Sedghkerdar, Dr. Ahmad Azari, Mr. Pramood Painuly,
 Dr. Prasoom Dwivedi, Dr. Gurunadh Velidi, Dr. Sravendra Rana**

No.	Article code	Article title	Time
1	Keynote Speaker (1):	CO₂ Electrolyses On Doped SrTiO₃ Cathod In Solid Oxide Electrolysis Cell Presenter: Dr. Suddhasatwa Basu <i>Department of Chemical Engineering, Indian Institute of Technology Delhi, New Delhi 110016. CSIR-Institute of Minerals and Materials Technology, Bhubaneswar 751013, India</i>	25 min
2	1130-OGPC2020	Implications Of Crude Oil Price Change On Managing Human Resource In Oil And Gas Organizations: A Focus Group Study Presenter: Dr. Sheetal Khanka (India)	20 min
3	1100-OGPC2020	Incentives For Combined Photovoltaic And Battery Storage System In Industrial Scale Presenter: Dr. Hadi Heidary (Iran)	20 min
4	1169-OGPC2020	Introducing A New Method In Energy Optimization Of N-Butane And I-Butene Separation Process Presenter: Dr. Samira Ahmadi (Iran)	20 min
5	1121-OGPC2020	The Deterioration Of Oil Prices And Its Causes Presenter: Ahmed Alghareeb (Iraq)	20 min
6	Question and Answer		15 min

Room B – Environment Panel
(28 Dec 2020- 14:00 – 16:00 Iran time, 16:00 – 18:00 India time)

Chairman: Prof. Fauzi

**Panelists: Dr. Seyed Abdollatif Hashemifard, Dr. Arash Khosravi, Dr. Mohsen Abbasi
Dr. Syed Mohammad Tauseef, Dr. Nihal Anwar Siddiqui, Dr. Bikrama, Dr. Kanchan Deoil Bahukhandi**

No.	Article code	Article title	Time
1	Keynote Speaker (1):	Advanced Membrane Materials And Technology For Produced Water Treatment Presenter: Prof. Ahmad Fauzi <i>Advanced Membrane Technology Research Centre (AMTEC)</i> <i>University of Technology, Malaysia</i>	25 min
2	1061-OGPC2020	An Experimental Study On The Performance Of Porous PES And PC Hollow Fiber Membranes On Air Humidification Process Presenter: Farideh Abdollahi (Iran)	20 min
3	1060-OGPC2020	Flare Radiation And Dispersion Consequence Modeling; Case Study Ahvaz One Operational Area Flare Presenter: Dr. Anosh Sadat Amini Nasab (Iran)	20 min
4	1069-OGPC2020	Life Cycle Assessment (LCA) Of Phase Change Materials (Pcms): A Mini-Review On Building Applications Presenter: Dr. Jamekhorshid (Iran)	20 min
5	1007-OGPC2020	Performance Of A Pilot-Scale Vermifilter For Domestic Wastewater Treatment Presenter: Dr. Shahnaz Ghasemi (Iran)	20 min
6	1031-OGPC2020 (Reserve)	A Brief Review Of Reverse Osmosis Membranes: Materials, Properties And Performance Presenter: Dr. Morteza Faghihi (Iran)	
7	1084-OGPC2020 (Reserve)	Application Of Ceramic Microfiltration Membrane In Separation Of Greywater Presenter: Behrouz Jafari (Iran)	
8	Question and Answer		15 min

Room (A) – Enhanced Oil Recovery Panel (In Persian)
(29 Dec 2020- 9:00 – 12:00 Iran time)
Chairman: Mr. Ebrahim Taleghani

No.	Article code	Article title	Time
1		Mr. Ebrahim Taleghani Head of R&D , National Iranian Oil Company (NIOC)	40 min
2	Keynote Speaker (1):	Improving The Reliability And Economy Of Hydrate Blockage Prevention Techniques Presenter: Prof. Tohidi <i>1. Institute of GeoEnergy Engineering, Heriot-Watt University, Edinburgh EH14 4AS,UK</i> <i>2. Hydrafact Limited, Quantum Court, Heriot-Watt Research Park, Edinburgh EH14 4AP,UK</i>	30 min
3	Keynote Speaker (2):	Get The Best Out Of Hydrocarbon Assets In A Challenging And Dynamic Landscape Presenter: Dr. Masudi <i>Chief Technical Officer, GTA & Custodian - Reservoir Engineering, Resource Development & Management, PETRONAS, Malaysia</i>	30 min
4		Development Study Of Marun Oil Field Presenter: Dr. Escrochi <i>Shiraz University, Iran</i>	20 min
5		Development Study Of Soroush Oil Field Presenter: Dr. Tabatabaiee <i>Sahand University of Technology, Iran</i>	20 min
6		Development Study Of Azadegan Oil Field Presenter: Dr. Rasaie <i>Tehran University, Iran</i>	20 min
7	Question and Answer		20 min

Room B – Downstream Technologies Panel
(29 Dec 2020, 09:00 – 12:00 Iran time, 11:00 – 14:00 India time)

Chairman: Dr. G Gopalakrishnan

**Panelists: Dr. Shahriar Osfouri, Dr. Azadeh Mirvakili, Dr. Ahmad Jame Khorshid
 Dr. P Vijay, Dr. Rajeshwar Mahajan, Dr. Ashoutosh Pandey**

No.	Article code	Article title	Time
1	Keynote Speaker (1):	Emerging role of Unconventional Petroleum in India's Sustainable Energy Scenario Presenter: Mr Vilas Tawde MD & CEO ESSAR OIL	45 min
	1077-OGPC2020	Cubic Ordered Mesoporous Alumina Supported Nickel Catalysts In DRM Reaction: Effect Of Calcination Temperature Presenter: Dr. Izadbakhsh (Iran)	20 min
2	1125-OGPC2020	Ternary Blend Nanocomposites With Two Types Of Organoclays: A Study On Morphological Properties Presenter: Dr. Rostami (Iran)	20 min
3	1058-OGPC2020	Prediction Of LLE Data Of The Mixture (Hexane+Benzene+Tetrahexylammonium Bromide:Ethylene Glycol) Using COSMO-SAC Model Presenter: Dr. Fatemeh Sabzi (Iran)	20 min
4	1149-OGPC2020	Computational Fluid Dynamics (Cfd) Analysis Of Flow Characteristics Of Heavy Crude Oil-In-Water Emulsion Through Pipelines Presenter: Koyyana Jahnavi (India)	20 min
5	1043-OGPC2020	Discharge Of Dense Effluents Containing Suspended Solids: A CFD Analysis Presenter: Iman Moshiri Tabrizi (Iran)	20 min
6	1094-OGPC2020 (Reserve)	Experimental Study Of The Effects Of Surfactants On Precipitation And Deposition Of Asphaltene In Pipelines Presenter: Nasrin Ghanbari (Iran)	
7	Question and Answer		35 min

Room A – Upstream Technology Pannel
(29 Dec 2020, 14:00 – 16:00 Iran time, 16:00 – 18:00 Iran time)

Chairman: Prof. S. A. Abbasi

Panelists: Dr. Mehran, Dr. Boruah, Dr. Azin, Dr. Ranjbar

Dr. Mandira Agarwal, Dr. Annapurna, Dr. D K Gupta, Dr. Sunil Khare

No.	Article code	Article title	Time
1	Keynote Speaker (1):	Safe Distance: Theory and Practice Presenter: <i>Prof. S. A. Abbasi</i> <i>CSIR Emeritus Scientist, Pondicherry University, India</i>	25 min
2	Keynote Speaker (2):	Digital Oil Field Need In The Cuurent Area Presenter: <i>Dr. Mehran (Malaysia)</i> <i>SPE Southwest Asia Region, Malaysia</i>	25 min
3	1018-OGPC2020	Toward Mechanistic Understanding The Effect Of An External MF On The Hcl Solutions: Experimental Study And Modelling Using RSM Presenter: <i>Dr. Abbas Hashemizadeh (Iran)</i>	20 min
4	1127-OGPC2020	Experimental Study On Membrane Efficiency Of Shales Through Pore Pressure Transmission Measurements Presenter: <i>Dr. Wilberforce Aggrey (Ghana)</i>	20 min
5	1015-OGPC2020	A Review Of Methods Of Completing Wells And Investigating Case Studies In Qatar, Indonesia And Iran With A Systematic Approach Presenter: <i>Dr. Mehdi Fadaei (Iran)</i>	20 min
6	1120-OGPC2020 (Reserve)	A CFD Analysis On Proppant Transport In Fracture For Foam-Based Fracturing Fluid Presenter: <i>Dangeti Sree Karthik (India)</i>	
8	Question and Answer		10 min

Room B – Upstream Tec. & Energy & Environment Panel
(29 Dec 2020, 14:00 – 16:00 Iran time - 16:00 – 18:00 India time)

Chairmen: Dr. Boruah, Dr. Kumar Khare, Dr. Amit Saxena , Dr. Yadegari, Dr. Rostami
Dr. Syed Mohmmad Tauseef, Dr. Nihal Anwar Siddiqui, Dr. Bikrama, Dr. Kanchan Deoil Bahukhandi

No.	Article code	Article title	Time
1	Keynote Speaker (1):	Multidisciplinary Approach For Unconventional Shale Gas Exploitation And CO2 Enhanced Recovery Presenter: Dr. Annapurna Boruah <i>University of Petroleum and Energy Studies, India</i>	25 min
2	Keynote Speaker (2):	Digital Drilling For Oil And Gas Presenter: Dr. Sunil Kumar Khare <i>University of Petroleum and Energy Studies, India</i>	25 min
3	Keynote Speaker (3):	Foam Based Fluid: Its Applications In Oil And Gas Technology Presenter: Dr. Amit Saxena <i>Rajiv Gandhi Institute of Petroleum Technology, India</i> <i>Department of Petroleum Engineering, India</i>	25 min
4	1143-OGPC2020	Petroleum Geology, Oil Pollution, And Human Health: Review Of Case Studies In Bushehr Province Presenter: Dr. Razegheh Akhbarizadeh (Iran)	20 min
5	1111-OGPC2020	Assessment Of Different Factor On Remediation Of Tphs Contaminated Soil Presenter: Dr. Maryam Barati (Iran)	15 min
6	1054-OGPC2020 (Reserve)	Combination Of Electrocoagulation And Electrooxidation For Produced Water Treatment Presenter: leila pahlevani (Iran)	
7	1023-OGPC2020 (Reserve)	Occupational Risk Assessment At The Time Of Construction Of A Petrochemical Unit By JSA Method, Case Study: Abadan Petrochemical Presenter: Masume Jahangiri (Iran)	
8	Question and Answer		10 min

Room C- Energy and Environment Posters
(28 Dec 2020, 10:30 – 12:30 Iran time, 12:30 – 14:30 India time)
Panelists: Dr. Hashemi Fard, Dr. Khosravi, Dr. Abbasi

No	Article code and title
1	1021-OGPC2020 The feasibility based conceptual decision-making approach for carbon capture and storage (CCS) technologies in green technology management
2	1025-OGPC2020 Environmental performance evaluation of Oil and Gas Companies in Assaluyeh
3	1028-OGPC2020 Evaluation of volatile organic compounds released from wastewater treatment plants of oil refineries Using emission factor
4	1040-OGPC2020 Energy audit and process simulation of a gas refinery stabilization unit
5	1095-OGPC2020 Estimation of energy demand in Bushehr province in the household sector using LEAP model
6	1147-OGPC2020 A review of technologies for the control of biological pollutants in the environment
7	1151-OGPC2020 Optimization and recycling of wastewater in the cooling tower of Bidboland Gas Refining Company
8	1173-OGPC2020 Seems Dragon is after a Closer Foothold in the Oil Fields: elite & corporate social responsibility in sustainable environmental protection
9	1177-OGPC2020 Heat integration of azeotropic distillation using benzene and cyclohexane as entrainers and pressure swing distillation for separation of water–ethanol mixture
10	1184-OGPC2020 Petrochemical wastewater pretreatment: A review
11	1187-OGPC2020 A Review on Sustainable Hybrid Water Treatment Processes
12	1191-OGPC2020 BIM (Building/Project Information Modeling), AR/VR Technology & Innovation in Safety monitoring/Management of Oil & Gas Project/Plants

Room C- Downstream Technologies Posters
(28 Dec 2020, 14:00 – 16:00 Iran time, 16:00 – 18:00 India time)
Panelists: Dr. Izad Panah, Dr. Izad Bakhsh, Dr. Gopalakrishnan

No	Article code and title
1	1017-OGPC2020 An Incremental-Analytical Solution for Variable-Coefficient Advection-Diffusion Equations in Simulating River Flow
2	1022-OGPC2020 Experimental study on the influence of an induced magnetic field on corrosion behavior of drilling casing of oil and gas wells in aqueous HCl solution
3	1024-OGPC2020 Thermodynamic Modeling of H ₂ S Solubility in [BMIM][PF ₆] Using SL, SRK and NB Equations of State
4	1026-OGPC2020 Stretching Poly (lactic acid) extruded films at different drawing speeds and temperatures
5	1027-OGPC2020 Catalytic Tri-reforming of Methane Using Flue Gas from energy intensive processes for synthesis gas production
6	1032-OGPC2020 Dendritic polymer immobilized on nanosilica: An effective and recyclable adsorbent for the removal of copper ions from aqueous system
7	1035-OGPC2020 Methanol production from Glucose fermentation plant as feed stream
8	1050-OGPC2020 Experimental investigation and prediction of pour point using artificial intelligence
9	1059-OGPC2020 The effect of blending Polycarbonate with Polyvinylchloride on the membrane surface porosity and pore size
10	1062-OGPC2020 Prediction of Conductivity Coefficient for Fluorocarbon Refrigerants R11, R22 and R32 by Cubic Equations
11	1067-OGPC2020 Simulation and modeling of nitrate extraction in membrane contactors using COMSOL and MATLAB
12	1070-OGPC2020 CFD simulation of top-fired steam methane reforming furnace
13	1073-OGPC2020 Simulation and economic study of biodiesel production process with supercritical methanol in different ratios of methanol to oil

14	1074-OGPC2020 Improving the Resiliency of Crude Oil Production through Providing Mobile Oil Treater (MOT) at Oil Fields
15	1075-OGPC2020 Modelling of heat and mass transfer in DCMD: Study of membrane parameters
16	1076-OGPC2020 Application of ion exchange resins to reduce hardness, corrosion and scaling of drinking water
17	1083-OGPC2020 Hydrogen produced in a multi-fuel process by methanol, dimethyl ether with catalyst CuO/CeO ₂
18	1086-OGPC2020 Study of Methods for Remediation of Heavy Metal Contaminated Soil Media Using Analytical Hierarchy Process
19	1087-OGPC2020 Fuzzy AHP-Based Decision Making for Prioritizing PET Chemical Recycling Method
20	1097-OGPC2020 Effects of cast extrusion line speed on the crystallinity of LLDPE stretch films
21	1099-OGPC2020 Experimental Study of the Effects of Surfactants on Precipitation and Deposition of Asphaltene
22	1104-OGPC2020 Modification of the Natural Gas Dehydration Unit to Reduce BTEX Emission
23	1113-OGPC2020 Establishment of integrity management system of oil and gas transmission pipelines with environmental risk assessment approach based on API 1160 and ASME B31.8s standards
24	1129-OGPC2020 Comparison between Axial-Radial plate reactor and shell and tubes reactor for methanol synthesis
25	1131-OGPC2020 Fabrication and characterization of coelectrospun polycaprolactone/chitosan nanofibrous mats
26	1132-OGPC2020 Fabrication of platinum nanoparticles by fiber laser ablation in water

Room C- Upstream Technologies Posters (29 Dec 2020, 09:00 – 12:00 Iran time, 11:00 – 14:00 India time) Panelists: Dr. P Vijay, Dr. Rajeshwar Mahajan, Dr. Ashoutosh Pandey	
No	Article code and title
1	1009-OGPC2020 Stability analysis of vertical well wall using numerical modeling in one of Iran's oil wells
2	1029-OGPC2020 Geochemical characteristics of Bangestan Reservoir in one of the S.W. Iranian Oilfield
3	1033-OGPC2020 Mathematical Modeling of Counter-Current Spontaneous Imbibition in a Single Block
4	1036-OGPC2020 Evaluating the Effects of New Natural Surfactants on the Wettability Alteration of Carbonate Rocks and Water/Air Surface Tension Reduction
5	1037-OGPC2020 Assessing the effect of crushing on the X-ray diffraction pattern of the asphaltene sample
6	1038-OGPC2020 Synthesis of Superhydrophobic, Hierarchical Teflon Coating and its Applications: Reduction of Organic and Inorganic Scales, Prevention of Corrosion
7	1055-OGPC2020 review of low salt water injection in carbonate reservoirs to increase oil harvest
8	1063-OGPC2020 An Investigation of Various Salts and pH's Effect on Fine Migration in Sandstone Reservoirs
9	1064-OGPC2020 The Mitigation of Formation Damage in Seawater Flooding by Scale Inhibitors
10	1072-OGPC2020 Investigation of Gas-Cap Effects on Pressure-Transient Response in Naturally Fractured Reservoirs
11	1078-OGPC2020 Simulation Investigation of Spontaneous Water Imbibition in a Matrix-Fracture System
12	1080-OGPC2020 Simulation Investigation and Interpretation of Carbonated Water Injection in a Single Matrix Block
13	1091-OGPC2020 Investigation of drilling mud based on bentonite, Using sepiolite nanoparticles in it
14	1092-OGPC2020 XC Polymers in Drilling Mud

15	1101-OGPC2020 Simulation of Stress And Strain Changes in Rock Fissured Matrix by Poroelastic Model and Calculating Porosity and Permeability Reductions by COMSOL Software
16	1105-OGPC2020 Experimental evaluation of improvement of water base drilling fluid's rheological properties on formation damage
17	1106-OGPC2020 Determination of rock type using Winland and SMLP methods and combining it with petrophysical analysis of well logging Bangestan reservoir in Shadegan oil field.
18	1107-OGPC2020 An overview of Plasm Application for Improved Oil Recovery
19	1114-OGPC2020 Optimization of wax inhibitor in one of Iranian oil fields
20	1118-OGPC2020 Impact of Anisotropic Permeability on Oil Recovery Using SP Flooding: A Simulation Approach
21	1119-OGPC2020 An Investigation Into the Effect of Fracture Opening on Empirical Foam Parameters
22	1128-OGPC2020 Experimental Study of Water alternating- CO2 Coreflooding Performance as Enhanced Oil Recovery
23	1137-OGPC2020 A Deep Learning Approach for Prediction of Dead Oil Viscosity
24	1144-OGPC2020 Modeling of water fluid behavior and changes in velocity, concentration and pressure in symmetric microchannel by COMSOL software
25	1146-OGPC2020 Experimental Investigation of Immiscible Injection of CO2 in the Sandstone Sand-packs
26	1175-OGPC2020 Usage of SAR images in oil spill detection, a case study in the Northern Persian Gulf
27	1181-OGPC2020 The effect of brine's salinity on the content of emulsion created in the oil and brine interface
28	1183-OGPC2020 Well Clustering and Association Rule Mining

Room C- Downstream Technologies Posters (29 Dec 2020, 14:00 – 16:00 Iran time, 16:00 – 18:00 India time) Panelists: Dr. Izad Panah, Dr. Izad Bakhsh, Dr. Gopalakrishnan	
No	Article code and title
1	1134-OGPC2020 Evaluating the Effect of Impurities on the Diffusion Coefficient of CO ₂ by Molecular Dynamics Simulation: Application to CO ₂ Sequestration Process
2	1135-OGPC2020 Thermodynamic modeling of methane hydrate stability conditions in the presence of alkanolamine aqueous solutions
3	1136-OGPC2020 Ultrasonic-Assisted Solvent Extraction of Lipids from Microalgae
4	1138-OGPC2020 Fuel production from polypropylene through thermal pyrolysis process
5	1140-OGPC2020 Comparison of thermal and catalytic pyrolysis for conversion of plastic to fuel
6	1145-OGPC2020 Evaluation of the properties polyether block amide / polyethersulfon membranes, including Magnesium oxide nanoparticles for separation CO ₂ and CH ₄
7	1148-OGPC2020 Investigation of parameters affecting zeta potential
8	1150-OGPC2020 Experimental Investigation of Ni ²⁺ Ion Sorption from Synthetic Wastewater by MOF MIL-53(Cr) in a Fixed-bed Adsorption Column
9	1154-OGPC2020 Role of Carbon Nanotubes on the Rheological and Thermal Properties of Polyethylene/Carbon Fiber Composites
10	1155-OGPC2020 Investigation of the effect of gas relief forces management in the face of crisis (natural disasters, floods and earthquakes) on the performance of the gas supply system elements
11	1157-OGPC2020 Hydrodynamic Optimization of Membrane Bioreactors Using Baffles with Different Geometries by Computational Fluid Dynamics
12	1160-OGPC2020 Spectral conversion of light using Rhodamine 6G for enhancing the nitrate removal rate of green microalgae Chlorella sp.
13	1163-OGPC2020 SAFT- γ Equation of State to Model the High-Pressure Densities of Imidazolium-Based Ionic Liquids with Cyano-Functionalized Anions

14	1164-OGPC2020 Ethanol purification using carbon nanotube-filled polydimethylsiloxane mixed matrix membranes
15	1165-OGPC2020 Equivalent circulating density prediction using artificial neural network
16	1168-OGPC2020 Heat Integration of Direct, Indirect, and Prefractionator Arrangements Using Multi-Effect Distillation Method in Separation of Ternary Mixtures
17	1171-OGPC2020 An experimental and numerical approach to breakdown behavior in gas discharge between Mn nano-flower thinfilm as cathode and a stainless-steel ball as anode
18	1174-OGPC2020 Comparison of Pressure Swing Distillation and Extractive Distillation Methods in Separation of Maximum-Boiling Homogeneous Azeotropic Acetone-Chloroform Mixture
19	1178-OGPC2020 PDMS mixed matrix membranes modified by graphene nanosheets for ethanol/water pervaporation
20	1179-OGPC2020 Comparison of vapor recompression and modified vapor recompression methods in separation of close boiling mixtures
21	1182-OGPC2020 Comparison of Vapor Recompression with Vapor Recompression with an intermediate reboiler methods for separation propane- propylene mixture
22	1188-OGPC2020 Extraction and determination of some polycyclic aromatic hydrocarbon pollutants in Persian Gulf water
23	1189-OGPC2020 Application of ion-exchange resins in petrochemical industries