

Dr. KEKA OJHA

Professor & Associate Dean (Acad-UG)
Department of Petroleum Engineering
Indian Institute of Technology (ISM), Dhanbad
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A. Academic Qualifications

Ph.D. (Chemical Engineering), **Indian Institute of Technology, Kharagpur**, 2004.
M. Tech. (Chemical Engineering), **Indian Institute of Technology, Kharagpur**, 1999.
B. Ch.E. (Hons) (Chemical Engineering), **Jadavpur University, India**, 1997 .

B. Professional Experience:

Duration	Institute	Position
June 2019 onwards	Department of Petroleum Engineering, IIT(ISM), Dhanbad, Dhanbad	Professor
February 2010 to June 2019	Department of Petroleum Engineering, IIT(ISM), Dhanbad, Dhanbad	Associate Professor
May 2017 to May 2018	Institute of Reservoir Studies, ONGC, Chandkheda, Ahmedabad	On deputation under ONGC-IIT(ISM) collaborative program
February 2007 To February 2010	Department of Petroleum Engineering, Indian School of Mines, Dhanbad	Assistant Professor
December 2004 to February 2007	Department of Petroleum Engineering, Indian School of Mines, Dhanbad	Lecturer
August 2004 to December 2004	Deptt. of Chemical Engineering, Heritage Institute of Technology, Kolkata	Lecturer
July 2003-July 2004	Deptt. of Chemical and Biomolecular Engineering, University of Notre Dame, USA	Post Doctoral Fellow

C. PhD Guidance:

Guided: 07
Under supervision: 08

M. Tech guidance: >30

D. Consultancy Project:

R & D Consultancy :

1. “Determination of Country Specific Emission Factor from Oil & Gas Sector” sponsored by CIMFR, Dhanbad.
2. “Testing of shale samples from Cambay basin” sponsored by Mercator Petroleum Ltd.

Executive Development Programme

3. One week course on Reservoir Engineering for Production Operations for ONGC Executives during Sept. 14-18, 2009 (Co-CI)
4. One week practical training course on “Practical on Petroleum Engineering” during May 6-11, 2011 (Co-CI)
5. One week practical training course on “Practical on Petroleum Engineering” during May 7-12, 2012 (Co-CI).
6. Two weeks training course on “Coalbed Methane” during May, 2012. (CI)
7. One week short-term course on Reservoir Engineering for Executives of Oil India Ltd. (CONS/1891/2012-13) DURING August 27-31, 2012 (Co-CI).
8. Two-Weeks Training Programme on “Petroleum Reservoir Engineering” for Officials of Ministry of Mines, Government of Afghanistan sponsored by Ministry of External Affairs, Government of India Venue: Indian School of Mines, Dhanbad during August 17 – September 2, 2013 (Co-CI)

E. Institute responsibility:

Institutional Responsibility

1. Associate Dean (Academic)
2. Chairperson, ICC (2018-20)
3. Chief Hostel Warden (2018)
4. Warden, Ruby Hostel (2006-10)
5. Member, Central Library
6. Member, Senate
7. Chief Hostel Warden (June-September, 2018)
8. Departmental coordinator-TEQIP-II
9. Coordinator, Review committee-TEQIP-II

Departmental responsibility

1. Coordinator- Stock verification committee
2. Coordinator, Departmental budget committee
3. Coordinator, JRF
4. Member, Moderation board
5. Member, DPAC
6. Member DAC
7. Member DFSC
8. Member DUGC
9. Member, Departmental space committee

Laboratory In-charge

- Reservoir Engineering Lab
- CBM laboratory
- Reservoir Simulation lab 2006-16

F. Awards and honors:

- SPE Distinguished Achievement Award for Petroleum Engineering Faculty, for South Asia and the Pacific Region, 2019.
- Excellent paper award in ICCCP 2011 conference during 28-29 May, 2011, Bangkok, Thailand.
- The best paper awards in PETROTECH 2009, the Asia's largest oil & Gas conference and Exhibition.
- SPE travel grant award, SPE, USA, 2012
- Awarded National Merit Scholarship, Govt. of India 1987-1990
- Awarded JRF Scholarship by U.G.C. Govt. of India, 1997-1998
- Awarded SRF Scholarship by U.G.C. Govt. of India, 1999-2003

G. Sponsored R & D Projects

Sl. No.	Title	Sponsor- ing agency
1.	Development of Fracturing Fluid for High Pressure High Temperature (HPHT) Reservoirs with Minimum Formation Damage	CSIR
2.	Development of Nanoparticle Induced Chemicals for Consolidating Loose Formation to Improve Oil Production	UGC
3.	"Development of foam based drilling fluid for CBM wells"	DST
4.	Development and Optimization of Coalbed Methane recovery by CO ₂ Sequestration	MoC, GoI
5.	Synthesis of Surfactant Based Hydro-Fracturing Gel	CSIR
6.	Development of surfactant based clean-fracturing gel	ISM
7.	Studies on Improved Recovery of Oil by Surfactant Induced Wettability Alteration and Interfacial Tension Reduction	UGC
8.	Optimization of alkaline-surfactant-polymer (ASP) floods for enhanced oil recovery	CSIR
9.	Synthesis and extraction of surfactants from natural resources and their characterization for application in enhanced oil recovery	Oil India Ltd. Ongoing
10.	FIST Project on "Development of Advanced Reservoir Engineering laboratory"-Coordinator	DST ongoing

11.	Development of polymer nano-composite hydrogel systems for water control in oil/gas wells completed in harsh environment	IRS, ONGC, Ahmedabad Ongoing
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H. Foreign Visit for academic purposes (from IIT(ISM) Dhanbad):

1. Presented paper on “CBM and CO₂ Sequestration in India: Solution to India’s Growing Energy Needs and Mitigation of Global Warming”, ICCCP, Bangkok, Thailand, during May 28-29, 2011. This paper is awarded as one of the **most excellent paper of the conference**.
2. Presented paper on “Micelles and Its Combinations –Concept of Clean Hydraulic Fracturing Fluid” Presented in ‘Well Stimulation and EOR-WSEOR-2012’, Xian, China during April 25-27, 2012.
3. Attended “SPE/IADC Middle East Drilling Technology Conference and Exhibition” in Dubai, UAE during 7-9th October, 2013. The tour was fully sponsored by SPE, USA under “Faculty Enhancement Travel Grant”.
4. Visited Curtin University of Technology, Australia for academic collaboration for two weeks during March 2016.
5. Visited Universiti Teknologi, PETRONAS, Malaysia 30 September-12October, 2018 as exchange researcher.
6. Visited National University of Singapore as exchange researcher, 16-17 October, 2018.

I. Events Organised:

- General Secretary, International Conference on the occasion of Diamond Jubilee (PEDJP, 2017) of the Department of Petroleum Engineering, IIT (ISM) Dhanbad during January 12-14, 2017.
- General Secretary, PENS 2012: Department of Petroleum Engineering has organized a two-day event “PETROTECH Annual Convention and National Symposium-PENS-2012 organized at IIT(ISM), Dhanbad.
- Member, organizing committee, PEGJP 2007. International conference organized by Deptt. of Petroleum Engg.
- Member of organizing committee, Basant, annual reunion of IIT(ISM), Dhanbad

J. Publications:

(i) Book

Keka Ojha, “Utilization of fly ash as catalyst for cracking and alkylation” by LAP Lambert Academic Publishing GmbH & Co. KG, 2010.

(ii) *Referred National/International Journal*: 73

(iii) *National /International conferences*: 53

Publications in referred journals

Sl. No.	Authors	Title of the paper	Journal	Volume & pages	Year	Impact factor
74.	Mohammad Asif, Paul Naveen, D.C. Panigrahi, Sumit Kumar, Keka Ojha	Adsorption isotherms of CO ₂ – CH ₄ binary mixture using IAST for optimized ECBM recovery from sub-bituminous coals of Jharia coalfield: an experimental and modelling approach	International Journal of Coal Preparation and Utilization	Doi: 10.1080/19392699.2019.1626842	2019 Published online : 13 Jun 2019	0.855
73.	Archana Balikram, Supriya Sinha, N.P.Deva Kumar, Keka Ojha	Characterization of porous media by chemical tracers using TOF and Residence Time Distribution (RTD) concept	Asia Pacific Journal of Chemical Engineering	DOI: 10.1002/apj.2306	2019	1.238
72.	Mohammad Asif, D.C. Panigrahi, Paul Naveen, Keka Ojha	Construction of high-pressure adsorption isotherm: A tool for predicting coalbed methane recovery from Jharia coalfield, India	International Journal of Mining Science and Technology	DOI: 10.1016/j.jmst.2018.11.006	2019	Elsevier
71.	Mohammad Asif, Mallikarjun Pillalamarri, D.C. Panigrahi, Paul Naveen, Keka Ojha	Measurement of Coalbed Gas Content of Indian Coalfields: A Statistical Approach	International journal of oil, gas and coal technology	In press	2019	0.563
70.	N Pal, N Kumar, Amit Verma, KEKA OJHA, Ajay Mandal	Performance Evaluation of Novel Sunflower Oil-based Gemini Surfactant(s) with different Spacer Lengths: Application in Enhanced Oil Recovery	Energy & Fuel	32 (11), pp 11344–11361 DOI: 10.1021/acs.energyfuels.8b02744	2018	3.091
69.	Geetanjali Chauhan, Amit Verma, Amolina Doley, Keka Ojha	Rheological and breaking characteristics of Zr-crosslinked gum karaya gels for high-temperature hydraulic fracturing application	<i>Journal of Petroleum Science and Engineering</i>	10.1016/j.petrol.2018.09.043	2019	2.382

68.	Amit Verma, Geetanjali Chauhan, Partha Pratim Baruah, and Keka Ojha	Morphology, rheology and kinetics of nano-silica stabilized gelled foam fluid for hydraulic fracturing application	Industrial & Engineering Chemistry Research	Sept, 2018 DOI: 10.1021/acs.iecr.8b04044	2018	2.843
67.	Sumit Kumar, Sumani Das, Rabi Bastia and Keka Ojha	Mineralogical and morphological characterization of older Cambay shale from North Cambay Basin, India: implication for shale oil/gas development	Marine and Petroleum Geology	97, 339-354 (Nov., 2018) DOI: 10.1016/j.marpetgeo.2018.07.020	2018	3.281
66.	Neha Saxena, Nilanjan Pal, Keka Ojha, Ajay Mandal	Synthesis, characterization, physical and thermodynamic properties of a novel anionic surfactant derived from Sapindus laurifolius	RSC Advances	8(43):24485-24499 DOI: 10.1039/C8RA03888K	July, 2018	2.936
65.	Paul Naveen, Mohammad Asif and Keka Ojha	Integrated fractal description of nanopore structure and its effect on CH ₄ adsorption on Jharia coals, India	Fuel	Volume 232, 15 November 2018, Pages 190–204	2018	4.601
64.	Amit Verma, Geetanjali Chauhan, Keka Ojha	Characterization of α -olefin sulfonate foam in presence of co-surfactants: Stability, foamability and drainage kinetic study	Journal of Molecular liquid	Vol: 264 pp. 458-469	2018	3.648
63.	Akashdeep Das, Geetanjali Chauhan, Amit Verma, Puja Kalita, Keka Ojha	Rheological and breaking studies of a novel single-phase surfactant-polymeric gel system for hydraulic fracturing application,	Journal of Petroleum Science and Engineering	Vol: 167 : 559-567 doi: 10.1016/j.petrol.2018.04.033	2018	2.382
62.	Neetha V Thampi, Rohith P John, Keka Ojha, Udayabhanu G Nair	Effect of Hydrophobic Modification on the Properties of Polymer Blended Microemulsion Gels	Journal of surfactant and Detergent	21: 269–282	2018	1.45

61.	Geetanjali Chauhan, Amit Verma, Akashdeep Das, Keka Ojha	Rheological Studies of Non-Newtonian Karaya Polymer Suspensions with Optimization of Negative Herschel-Bulkley Yield Using GA and PSO Algorithms and Oscillatory Study	Rheologica Acta	Rheologica Acta, 57(3), 267-285 DOI: 10.1007/s00397-017-1060-x	2018	1.81
60.	Geetanjali Chauhan, Prathibha Pillai, Keka Ojha	Rheological Studies of Gum Tragacanth as a Prospective Candidate for Hydraulic Fracturing	Materials Today: Proceedings	Vol: 4 Pp: 9413–9417	2017	Elsevier publication
59.	G Chauhan, A Verma, A Hazarika, K Ojha	Rheological, structural and morphological studies of Gum Tragacanth and its inorganic SiO ₂ nano-composite for fracturing fluid application	Journal of the Taiwan Institute of Chemical Engineers	Vol-80, pp 978-988	2017	4.217
58.	Geetanjali Chauhan and Keka Ojha	Synthesis of a bio-polymer nano-composite fracturing fluid for HPHT application	SPE	SPE-183124	2016	
57.	Amit Verma, Geetanjali Chauhan, Keka Ojha	Synergistic effects of polymer and bentonite clay on rheology and thermal stability of foam fluid developed for hydraulic fracturing	Asia Pacific Journal of Chemical Engineering Asia-Pac. J. Chem. Eng.	10.1002/apj.2125	2017	1.50
56.	Paul Naveen, Mohammad Asif, Keka Ojha, DC Panigrahi, Haribabu Vuthaluru	Sorption kinetics of CH ₄ and CO ₂ diffusion in coal: Theoretical and Experimental study	Energy & Fuels	31 (7), 6825–6837	2017	3.091
54.	S Kumar, K Ojha, R Bastia, K Garg, S Das, D Mohanty	Evaluation of Eocene Source rock for potential shale oil and gas generation in north Cambay Basin, India	Marine and Petroleum Geology	Volume 88, Pages 141-154	2017	3.281
53.	Geetanjali Chauhan, Keka Ojha and Atrayee Baruah	Effects of Nano-particles and Surfactant Charge groups on Properties of VES gel	Brazilian Journal of Chemical Engineering	Vol. 34, No. 01, pp. 241-151	2017	1.49
52.	Amit Saxena, A.K. Pathak, Keka Ojha,	Experimental and modeling hydraulic studies of foam drilling	Egyptian Journal of Petroleum	26 (2), 279-290	2017	1.41

	Shivanjali Sharma	fluid flowing through vertical smooth pipes				
51.	Atrayee Baruah, Dushyant S. Shekhawat, Akhilendra K. Pathak, Keka Ojha.	Experimental investigation of rheological properties in zwitterionic-anionic mixed-surfactant based fracturing fluids.	<i>Journal of Petroleum Science and Engineering</i>	146, 340–349	2016	2.382
50.	Archana Balikram and Keka Ojha	Studies on kinetics and thermodynamics of Cr(VI) adsorption onto sand to check feasibility of its use as tracer in oilfields	Asia Pacific Journal of Chemical Engineering Asia-Pac. J. Chem. Eng.	11, 1060–1068	2016	1.238
49.	Saurabh Mishra, Keka Ojha	A Novel Chemical Composition to Consolidate the Loose Sand Formation in the Oil Field	SPE	IPTC-19007	2016	
48.	Neetha V Thampi, Rohith P. John, Keka Ojha, and Udayabhanu G. Nair	Effect of Salts, Alkali, and Temperature on the Properties of Sodium Oleate Hydrogel	Ind. Eng. Chem. Res. 2016	55, 5805–5816	2016	2.235
47.	Atrayee Baruah, Akhilendra K Pathak, Keka Ojha,	Study on Rheology and Thermal stability of mixed (nonionic-anionic) surfactant based fracturing fluids	AIChEJ	62(6), 2177-2187	2016	2.95
46.	Saurabh Mishra and Keka Ojha	Application of an improvised inorganic–organic chemical mixture to consolidate loose sand for formations in oil fields	Journal of Petroleum Science and Engineering	137, 1-9	2016	2.382
45.	Baruah, Atrayee; Pathak, Akhilendra K; Ojha, Keka;	Study on thermal stability of viscoelastic Surfactant based fluids bearing lamellar structures	Industrial & Engineering Chemistry Research	54 (31), pp 7640–7649	2015	2.235
44.	Saxena, Amit; Ojha, Keka; Pathak, AK;	Development of an Empirical Model for Settling of Solids in Gelled Foams	Arabian Journal for Science and Engineering	40 pp1757-1776	2015	0.367
43.	Baruah, Atrayee; Pathak,	Phase behaviour and thermodynamic properties of lamellar liquid crystal developed	Chemical Engineering Science	131 pp146-154	2015	2.895

	Akhilendra K; Ojha, Keka;	for viscoelastic surfactant based fracturing fluid				
42.	Chauhan Geetanjali, Das Akashdeep, Agarwal Subham and Ojha Keka	Hydraulic Fracturing for Oil and Gas and its Environmental Impacts	Research Journal of Recent Sciences	4, pp 1-5	2015	2.674
41.	Bera, Achinta; Kumar, T; Ojha, Keka; Mandal, Ajay;	Screening of microemulsion properties for application in enhanced oil recovery	Fuel	121 pp198-207	2014	4.601
40.	Amit Saxena, A. K. Pathak, and Keka Ojha	Synergistic effects of ionic characteristics of surfactants on aqueous foam stability, gel strength and its rheology in presence of neutral polymer	Industrial & Engineering Chemistry Research	53 (49) pp 19184– 19191	2014	2.235
39.	Atrayee Baruah, Geetanjali Chauhan, Keka Ojha, Akhilendra Kumar Pathak	Phase Behavior and Thermodynamic and Rheological Properties of Single-(SDS) and Mixed- Surfactant (SDS+ CAPB)-Based Fluids with 3-Methylbutan-1-ol as the Cosurfactant and Pine Oil as the Organic Phase	Industrial & Engineering Chemistry Research	53 (51) pp 19765– 19774	2014	2.235
38.	A Saxena, AK Pathak, K Ojha	Optimization of Characteristic Properties of Foam-Based Drilling Fluids	Brazilian Journal of Petroleum and Gas, 2014	8(2)	2014	1.873
37.	A Saxena, AK Pathak, K Ojha	Underbalanced Drilling and Its Advancements: An Overview	Journal of Petroleum Engineering & Technology	4(2)	2014	
36.	Neetha V. Thampi, Keka Ojha, G. Udayabhan	Effect of Branched Alcohols on Phase Behavior and Physicochemical Properties of Winsor IV Microemulsions	J. Surfactant and Detergent	17 pp371- 381, 2014.	2014	1.54

35.	Keka Ojha, A Mandal, B Karmakar, A. K. Pathak, A. K. Singh	Studies on Estimation & prospective recovery of coal bed methane from Ranigunj Coalfield, India	Energy Sources, Part A: Recovery Utilization and Environmental Effects	35:426–437	2013	0.84
34.	A Bera, Keka Ojha, A Mandal	Synergistic Effect of Mixed Surfactant Systems on Foam Behavior and Surface Tension,	J. Surfactant and Detergent	1422-4,	2013.	1.54
33.	A Agarwal, B Karmakar, A Mandal and Keka Ojha	Modeling and Performance Prediction for Water Production in CBM wells of an Eastern India Coalfield	Journal of Petroleum Science and Engineering	103:115-120	2013	2.382
32.	A Samanta, Keka Ojha, A Sarkar and A Mandal	Mobility Control and Enhanced Oil Recovery using Partially Hydrolyzed Polyacrylamide	Int. J. Oil, Gas and Coal Technology	Vol. 6, No. 3.	2013	0.582
31.	Neetha V. Thampi, Keka Ojha, G. Udayabhan	An Overview of Recent Advances in Viscoelastic Surfactant based Fracturing Fluid Technology	Journal of Petroleum Engineering and Technology	2(2), 30-41	2012	
30.	A Mandal, A Bera, Keka Ojha and T. Kumar	Characterization of Surfactant Stabilized Nanoemulsion and its Use in Enhanced Oil Recovery	SPE	155406	2012	
29.	A. K. Pathak, K. Ojha	Estimation of Methane Emission from Hydrocarbon Exploration and Production in India	World Academy of Science, Engineering and Technology	1183-1186, 64,	2012	
28.	A Bera, Keka Ojha, T. Kumar, and A Mandal,	Water Solubilization Capacity, Interfacial Compositions and Thermodynamic Parameters of Anionic and Cationic Microemulsions”.	Colloids and Surfaces A: Physicochemical and Engineering Aspects,	404, pp. 70-77,	2012	2.359
27.	A Bera, Keka Ojha, T.	Phase Behavior and Physicochemical Properties of (Sodium Dodecyl Sulfate + Brine +	J. Chem. Eng. Data	57 (3), pp 1000–1006.	2012	2.004

	Kumar, and A Mandal	Propan-1-ol + Heptane) Microemulsions				
26.	A Bera, Keka Ojha, A Mandal, and T. Kumar	Interfacial Tension and Phase Behavior of Surfactant-Brine-Oil System	Colloids and Surfaces A: Physicochemical and Engineering Aspects	Volume 383, Pages 114-119	2011	2.333
25.	A Bera, Keka Ojha, A Mandal, and T. Kumar	Effect of Alkane Carbon Number of Hydrocarbon and Alcohol Concentration on Phase Behaviour and Solubilisation of Micro emulsion Systems	Journal of Chemical Engineering Data	56 (12), pp 4422–4429	2011	2.004
24.	A Samanta, Keka Ojha, and A Mandal	Experimental Studies on Alkali Flooding for Enhanced Oil Recovery	Energy Fuels	25, 1642–1649	2011	2.721
23.	Keka Ojha	Catalytic Cracking of N-Heptane over Zeolites	Journal of Characterization and Development of Novel Material	3(1) 1-20	2011	
22.	A. Samanta; Keka. Ojha; A. Mandal	The Characterization of Natural Surfactant and Polymer and Their Use in Enhanced Recovery of Oil	Petroleum Science and Technology	Volume 29, Pages 765 – 777.	2011	0.335
21.	Yatin Suri, Keka Ojha, D.C. Tewari and Ajay Mandal	Predicting Permeability of Sedimentary Rocks Using SEM Image Analysis - Method and Application in Indian Fields	Journal of Advances in Sustainable Petroleum Engineering Science (ASPES)	407-417	2013	
20.	Keka Ojha, B. Karmakar, A. Mandal & A. K. Pathak,	CBM and CO ₂ Sequestration in India: Solution to India's Growing Energy Needs and Mitigation of Global Warming	International Journal of Chemical Engineering and Applications	Vol. 2 , No. 4	2011	
19.	Keka Ojha	Catalytic Cracking of N-Heptane over Zeolites	Journal of Characterization and Development of Novel Materials	3(1), 1-20	2011	

18.	A Mandal, A Samanta, A Bera, and Keka Ojha	Characteristics of Oil-Water Emulsion and its use in Enhanced Oil Recovery	<i>Ind. Eng. Chem. Res.</i> ,	49 (24), pp 12756–12761.	2010	1.955
17.	A Samanta, Keka Ojha and A Mandal,	Effects of Alkali, Salts and Surfactant on Rheological Behaviour of Partially Hydrolyzed Polyacrylamide Solutions	J. Chem. Eng. Data	55, 4315–4322	2010	2.004
16.	P. Bajpai, J. P. Singh, A Mandal and Keka Ojha	Synthesis and Characterization of a Clean Hydrofracturing Fluid	Petroleum Science & Technology,	28: 17, 1750-1760.	2010	0.335
15.	A Mandal, P Kumar, Keka Ojha and S.K. Maity	Characterization and Separation of Oil-in-Water Emulsion	Advances in Sustainable Petroleum Engineering Science (ASPES)	Vol. 1 (4)	2010	
14.	Keka Ojha, A Mandal and G. V. Reddy	Surfactant based gel: a clean hydraulic fracturing fluid	Journal of Petrotech Society	Vol V (4) pp 45-48	2009	
13.	Mohammad Yunus Khan, A Samanta, Keka Ojha and A Mandal	Design of Alkaline/Surfactant/Polymer (ASP) Slug and its use in Enhanced Oil Recovery	Journal of Petroleum Science & Technology.	Volume 27, pages 1926 – 1942.	2009	0.335
12.	Keka Ojha., A. N. Samanta and N. C. Pradhan	Alkylation of phenol with tert-butyl alcohol over a catalyst synthesized from coal fly ash	Journal of Chemical Technology & Biotechnology,	81(4), 659-666	2008	2.168
11.	A Mandal and Keka Ojha	Optimum Formulation of Alkaline-Surfactant-Polymer Systems for Enhanced Oil Recovery	SPE	114877-MS	2008	Most popular publication to E & P industry
10.	Keka Ojha and A Mandal	Rapid Stabilization of Pitch for Carbon Composite	Journal of Nature Science and Sustainable Technology	2 (4), 481-492		

9.	Mohammad Yunus Khan, Abhijit Samanta, Keka Ojha and Ajay Mandal	Interaction between Aqueous Solutions of Polymer and Surfactant and its Effect on Physicochemical Properties	Asia-Pacific Journal of Chemical Engineering	Volume 3 Issue 5, Pages 579 – 585	2008	0.797
8.	Ajay Mandal and Keka Ojha	Optimum Formulation of Alkaline-Surfactant-Polymer Systems for Enhanced Oil Recovery	SPE	114877	2008	
7.	Keka Ojha, A. N. Samanta, and N. C. Pradhan	Kinetics of batch alkylation of phenol with tert-butyl alcohol over a catalyst synthesized from coal fly ash	Chemical Engineering Journal	112, 109–115	2005	6.735
6.	A Mandal, Keka Ojha, A De., and S.Bhattacharjee	Removal of Catechol from Aqueous Solution by Advanced Photo-Oxidation Process	Chemical Engineering Journal	102/2, 203-208,	2004	6.735
5.	Keka Ojha, A. N. Samanta, and N. C. Pradhan	Zeolite from Fly Ash: Synthesis and Characterization	Bull. Mat. Sci.	27(6), 555-564	2004	0.925
4.	A Mandal, Keka Ojha, and D. N. Ghosh,	Removal of Color from Distillery Wastewater by Different Processes	Journal of Indian Chemical Engineers	45, 264 - 267	2003	-
3.	Keka Ojha, A.N. Samanta, and N. C. Pradhan	Treated Fly Ash: A Potential Catalyst for Alkylation of Phenol with Tertiary Butyl Alcohol	Indian J Chem Technology	10 (5): 495-500	2003	0.628
2.	A.V Krishnan, Keka Ojha, and N. C. Pradhan	Alkylation of phenol with Tert-Butyl Alcohol Over Zeolites	Org. Proc. Res. Dev	Vol6 (2), 132-137	2002	2.39
1.	Keka Ojha and N. C. Pradhan	Treated fly ash: A potential catalyst for catalytic cracking	Indian Journal of Eng. and Material Sciences	Vol: 8, 100-103	2001	0.362

Conference publications:

1. Sumit kumar and Keka Ojha “ Mineralogy and its implication for shale oil and gas development in the north Cambay Shale Formation of the Cambay Basin, India”

presented in 13th Oil & Gas Conference & Exhibition- PETROTECH-2019, February 10-12, New Delhi.

2. A Kumar, S Nahar, A Dutt, A Gidwani and Keka Ojha “Impact of rock type based flow unit characterization in vertical interference test modeling”, presented in 13th Oil & Gas Conference & Exhibition- PETROTECH-2019, February 10-12, New Delhi.
3. A Verma, G Chauhan, K Ojha, Development and Characterization of Novel Foam Based Fracturing Fluid for Unconventional Reservoirs, 80th EAGE Conference and Exhibition 2018.
4. G Chauhan, A Verma, K Ojha, Synthesis and Studies on Novel-Cleaner Polymer Crosslinked Gel Fluid System for Unconventional Reservoir Fracturing, 80th EAGE Conference and Exhibition 2018.
5. M Asif, P Naveen, K Ojha, D Panigrahi, Competitive Adsorption in Coal: An Implementation of Carbon Dioxide Storage Technology in Moira Colliery, India, 80th EAGE Conference and Exhibition 2018, 2018
6. Amit Verma, Geetanjali Chauhan, Keka Ojha, “Characterization of foam based fracturing fluids for unconventional reservoirs: Coal bed methane and Shale gas” presented in 8th World Petrocol Congress- 2018 held in New Delhi, during February 15-17, 2018. This won the **best Poster award**.
7. Singh, M., Mishra, S., Ojha, K “An Improvised Secure Outsourcable Group Key Transfer Protocol to Secure Oil and Gas Control System” OTC-28593-MS Offshore Technology Conference Asia, Kuala Lumpur, Malaysia, 20-23 March 2018.
8. Paul Naveena, Keka Ojha, Sumit Kumar, “Investigations on sorption characteristics and predicting the recovery performance of coal reservoir” presented in PEDJP 2017, IIT(ISM), Dhanbad.
9. A. Das G. Chauhan and K. Ojha “Improving unconventional reservoir fracturing using a hybrid surfactant-polymer gel system” presented in 79th eage conference & exhibition 2017, 12-15 June, 2017, Paris, France.
10. M. Asif, N. Paul, D. C. Panigrahi and Keka Ojha “Pore size distribution of coal of Jharia coal field for CBM using pore image analysis” presented in 79th eage conference & exhibition 2017, 12-15 June, 2017, Paris, France.
11. N. Paul, Keka Ojha and M. Asif “Nano Structure Characterization and Sorption Kinetics of Gases in Indian Coals” presented in 79th eage conference & exhibition 2017, 12-15 June, 2017, Paris, France.
12. Saurabh Mishra and Keka Ojha, “Application of an improvised inorganic–organic chemical mixture to consolidate loose sand formations in oil fields” presented in at the International Petroleum Technology Conference (SPE) held in Bangkok, Thailand, 14–16 November 2016.
13. Geetanjali Chauhan and Keka Ojha, “A Novel Alternative to Linear Guar Based Fracturing Fluid in Unconventional Reservoirs” presented in 12th International Oil and Gas Conference and Exhibition (SPE), New Delhi, India, December 5-7, 2016.
14. Atrayee Baruah, Keka Ojha, A.K. Pathak. Effect of Nano-particles, Temperature and Pressure on the Viscoelastic Properties of a Surfactant-based Fracturing Fluid for High Temperature Conditions. SPE Oil and Gas India Conference and Exhibition (OGIC), Mumbai, India, 4-6th April, **2017**

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