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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
-	Post Doctorate	-	-	
2017	Ph.D.	University of Malaya, Malaysia.	Mechanical Engineering	
2010	M. Engg.	University Kebangsaan Malaysia (UKM), Malaysia.	Chemical Engineering	
2001	B.E.	Dawood College of Engineering and Technology, Karachi affiliated with NED UET Karachi, Pakistan.	Chemical Engineering	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Application of Natural Product Extracts as Green Corrosion Inhibitors for Metals and Alloys in Acid Pickling Processes.	International. Journal of Electrochemical. Science	International	2015
2	Electrochemical investigation on the corrosion inhibition of mild steel by Quinazoline Schiff Base compounds in hydrochloric acid solution	Journal of Colloid and Interface Science 2017	International	2017
3	Corrosion inhibition efficiency and adsorption mechanism of some Schiff bases at mild steel/HCl interface	International Journal of Mechanical Engineering (IJME)	International	2015
4	Electrochemical Study on the Effect of Schiff Base Compounds as Effective Corrosion Inhibitors for Aluminum in Acid Media	Australian Journal of Basic and Applied Sciences	International	2015
5	Calcium carbonate fouling on double-pipe heat exchanger with different heat exchanging surfaces	Powder Technology	International	2017

6	Synthesis of hexagonal boron nitride fibers within two hour annealing at 500 °C and two-hour growth duration at 1000 °C	Ceramics International	International	2016
7	Catalytic growth of vertically aligned neutron sensitive 10Boron nitride nanotubes	Journal of Nano Particle Resource	International	2016
8	Synthesis of multilayered hexagonal boron nitride microcrystals as a potential hydrogen element	Ceramics International	International	2017
9	Comparative Study of Coal and Biomass Co-Combustion with Coal Burning Separately Through Emissions Analysis	Pakistan journal of Analytical and Environmental Chemistry	National	2016
10	Experimental evaluation of corrosion for aluminum alloy (6262) in aerated 3.5% NaCl solutions under turbulent hydrodynamic conditions (submitted)	Journal of Applied and Emerging Sciences	National	2017

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date
1	Electrochemical Study on the effect of Schiff base compounds as effective corrosion inhibitors for Aluminum in acid media	First Author, International Postgraduate Conference on electrical, Mechanical and Chemical Engineering, Langkawi, Malaysia	International	25-27 Dec. 2015
2	Suspension properties for particle characterization, fouling mitigation, for next generation heat exchanging	First Author, Research week, University Putra Malaysia (UPM), Serdang, Malaysia	International	9-13 May. 2016
3	One-day workshop on industrial heat Exchanger operation. and maintenance to minimize fouling and corrosion, Workshop on industrial heat Exchangers	First author, The Institution of Engineers, Kuala Lumpur, Malaysia	International	1 st April. 2014
4	Enhancing the thermal performance of heat exchanger surfaces by the application of inhibitors.	First author, 4th International Boiler and Pressure Vessels Technology Training Workshop & Conference, Falettis Hotel Lahore, Pakistan	International	1 st April. 2017

5	Experimental investigation on momentum and drag reduction of Malaysian crop suspensions in closed conduit flow	International Technical Postgraduate Conference, IOP Conf. Series: Materials Science and Engineering 2017. Kuala Lumpur, Malaysia	International	2 nd May. 2017
Books Authored/ Edited				
S. No	Name of book	Publisher	ISBN	
	N/A			
Work Experience				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	Sept. 2006	Oct. 2008	Department of Chemical Engineering, BUITEMS, Quetta.	Research Associate
2	Nov. 2008	Sept. 2010	Department of Chemical Engineering, Faculty of Engineering and Applied Sciences, BUITMS, Quetta	Lecturer
3	Oct. 2010	Till date	Department of Chemical Engineering, BUITEMS, Quetta	Assistant Professor
Area of specialization			Heat Transfer, Corrosion and corrosion mitigation, Industrial Heat Exchanger Design and Fouling Mitigation, Fluid Mechanics, Fibre Characterization.	
Expertise			Heat Transfer and Thermodynamics, Pressure losses, Metallic corrosion and fouling estimation, analysis and mitigation by additives.	
HEC Approved supervisor			In process	
If Yes, provide HEC URL			N/A	
Research grants/ Projects			N/A	
Additional Information				
<ul style="list-style-type: none"> Life time membership of Professional Engineer (CHEM/1423), Pakistan Engineering Council, Islamabad. Study of Heat Transfer Enhancement and Fouling Mitigation in Heat Exchanger, Researcher, 2013-2014, Geran Penyelidikan Universiti Malaya (UMRG), National Corrosion and Fouling Mitigation For Food Industries Via Modification of Heat Exchanger., Researcher, 01/01/2015, High Impact Research - Ministry of Education (HIR-MOE) Cycle 2, 30/12/2015 Study of Mineral Fouling on Heat Exchanger Surface, Researcher, 01/11/2010, Postgraduate Research Grant (Ppp) - Research, 01/01/2016 				

- Heat Transfer to Particle Suspension Flow, Particle Characterization and Heat Exchanger Fouling Study and Mitigation. Researcher, 25/06/2016, High Impact Research - University of Malaya (HIR-UM), 31/01/2017.
- Best Paper Award to Dr. Ghulamullah Kakar On The Paper Study of Mineral Fouling On Heat Exchanger Surfaces., International Conference of Business, Economics, Energy and Environmental Sciences (Icbeees-2014).., 2014, (International).
- Most active participant Award on Mentoring Workshops for the Year 2014/2015.
- Best Employee Award, BUIITEMS, Quetta, Pakistan, 2009.
- Excellent Technical Award, Gatron Industries, Hub, 2002.
- Electrochemical Study on the effect of Schiff base compounds as effective corrosion inhibitors for Aluminum in acid media at International Postgraduate Conference on electrical, Mechanical and Chemical Engineering 2015, Langkawi, Malaysia
- One-day workshop on industrial heat Exchanger operation. and maintenance to minimize fouling and corrosion, Workshop on industrial heat Exchangers, at The Institution of Engineers Malaysia., 01 Apr 2014 to 01 Apr 2014, The Institution of Engineers Malaysia, (International)
- Suspension properties for particle characterization, fouling mitigation, for next generation heat exchanging Dr. Ghulamullah Khan, Research week, University Putra Malaysia (UPM), 09 May 2016 to 13 May 2016, University Putra Malaysia, (International)
- 4th International Boiler and Pressure Vessels Technology Training Workshop & Conference 1st April, 2017 – Falettis Hotel Lahore, Pakistan.

Article Reviewed

- Sulphonamides as corrosion inhibitor: DFT study, CHEMISTRY CENTRAL JOURNAL, 2016.
- Energy and economic analysis of a hollow fiber membrane-based desalination system driven by solar energy, DESALINATION, 2016.
- Structure-dependent optoelectronic properties of Perylene, Di-Indenoperylene (DIP) Isolated Molecule and DIP Molecular Crystal, CHEMISTRY CENTRAL JOURNAL, 2017.
- Growth Corrosion Resistance of Mild Steel in Sulphuric Acid and Hydrochloric Acid Solutions by Metoclopramide Tablet, CHEMISTRY CENTRAL JOURNAL, 2017.
- Corrosion Rates Evaluation of Stainless Steels in Soy Biodiesel Using Different Techniques, JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, 2017.
- Screening the adsorption mechanism and synergistic inhibition effects between Nettle leaves extract and zinc cations in corrosion control of carbon steel in chloride solution: Experimental and theoretical studies, JOURNAL OF MOLECULAR LIQUIDS, 2017.
- Corrosion Inhibition Performance of Chromone-3-Acrylic Acid Derivatives for Low Alloy Steel with Theoretical Modeling and Experimental Aspects, JOURNAL OF MOLECULAR LIQUIDS, 2017.
- Passivation Characterization of Ni-base Glassy Alloys in Artificial Sea Water, CHEMISTRY CENTRAL JOURNAL, 2017.