

Dr. MUHAMMAD DAUD (Gold Medalist)

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Personal Information

Impact points : **40.2**
h-index : 06 (SCOPUS)

Google Scholar

<https://scholar.google.com.pk/citations?user=CwAXk7kAAAAJ&hl=en>

Academic Credentials

<i>Degree</i>	<i>Session</i>	<i>Performance</i>	<i>University</i>
PhD Chemical Engineering	Spring 2012	CGPA 3.59/4.00	KFUPM, KSA
M.Sc Advance Chemical Engineering	Spring 2008	CGPA 3.67/4.00	UET, Peshawar
B.Sc Chemical Engineering	2004-07	AGGREGATE 1051/1250 (Gold medal winner)	UET, Peshawar

Professional Experience

1. Lecturer, Department of Chemical Engineering, UET Peshawar, from December, 2007 till date.
 2. Lecturer-B, Department of Chemical Engineering, KFUPM, KSA from 25th January 2012 to January, 2017.
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Journal Publications (ISI-INDEXED)

1. **M Daud**, F Shehzad, M.A Al-Harhi “Non-isothermal crystallization kinetics of LLDPE prepared by in situ polymerization in the presence of nano titania”
Polymer Bulletin (2015)
2. F Shehzad, **M Daud**, M.A Al-Harhi “Synthesis, characterization and crystallization kinetics of nanocomposites prepared by in situ polymerization of ethylene and graphene”
Journal of Thermal Analysis and Calorimetry (2015)
3. M Sajid, M Ilyas, C Basheer, **M Daud**, N. Baig, F Shehzad “Impact of nanoparticles on human and environment: review of toxicity factors, exposures, control strategies, and future prospects”
Environmental Science and Pollution Research (2015)
4. M Sajid, A.N Kawde, **M Daud** “Designs, formats and applications of lateral flow assay: A literature review”
Journal of Saudi Chemical Society (2015)
5. U Mehmood, I.A Hussein, **M Daud**, S Ahmed, K Harrabi “Theoretical study of benzene/thiophene based photosensitizers for dye sensitized solar cells (DSSCs)”
Dyes and Pigments (2015)
6. U Mehmood, I.A Hussein, **M Daud**, “New 1,3,4-Oxadiazol based photosensitizers for dye Sensitized Solar Cells (DSSCs)”
International Journal of Photoenergy (2015)
7. M Zubair, M Al-Harhi, **M Daud**, “Adsorption of eriochrome black T from aqueous phase on MgAl-, CoAl-and NiFe-calcined layered double hydroxides: Kinetic, equilibrium and thermodynamic studies”
Journal of Molecular Liquids (2017)
8. **M Daud**, MS Kamal, F Shehzad, M.A Al-Harhi “Graphene/Layered Double Hydroxides Nanocomposites: A Review of Recent Progress in Synthesis and Applications”
Carbon (2016)

9. **M Daud**, F Shehzad, M.A Al-Harhi “Crystallization behavior and lamellar thickness distribution of metallocene-catalyzed polymer: Effect of 1-alkene comonomer and branch length”

The Canadian Journal of Chemical Engineering (2017)

10. U Mehmood, A Al-Ahmed, M Afzaal, FA Al-Sulaiman, **M Daud**, “Recent progress and remaining challenges in organometallic halides based perovskite solar cells”

Renewable and Sustainable Energy Reviews (2017)

11. M Zubair, **M Daud**, G McKay, F Shehzad, MA Al-Harhi “Recent progress in layered double hydroxides (LDH)-containing hybrids as adsorbents for water remediation”

Applied Clay Science (2017)

12. M Sajid, C Basheer, **M Daud**, A Alsharaa “Evaluation of layered double hydroxide/graphene hybrid as a sorbent in membrane-protected stir-bar supported micro-solid-phase extraction for determination of organochlorine pesticides in urine samples”

Journal of Chromatography A (2017)