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List of Publication from the Faculty Members

1. Hassan HMA, Alhumaimess MS, Alsohaimi IH, Essawy AA, Hussein MF, **Alshammari HM**, Aldosari OF. Biogenic-Mediated Synthesis of the Cs₂O–MgO/MPC Nanocomposite for Biodiesel Production from Olive Oil. *ACS Omega* 2020;5(43):27811-27822. DOI: 10.1021/acsomega.0c02814.
2. Puttegowda M, Rangappa SM, Khan A, **Al-Zahrani SA**, **Al Otaibi A**, Pradeep S, et al. Preparation and characterization of new hybrid polymer composites from Phoenix pusilla fibers/E-glass/carbon fabrics on potential engineering applications: Effect of stacking sequence. *Polymer Composites* 2020;41:4572-4582. Doi: [10.1002/pc.25734](https://doi.org/10.1002/pc.25734)
3. Puttegowda M, Rangappa SM, Khan A, **Al Otaibi A**, **Al-Zahrani SA**, Pradeep S, et al. Experimental investigation on the mechanical and morphological behavior of Prosopis juliflora bark fibers/E-glass/carbon fabrics reinforced hybrid polymeric composites for structural applications. *Polymer Composites* 2020;41:4983-4993. Doi: [10.1002/pc.25768](https://doi.org/10.1002/pc.25768).
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5. Trilochan R, Bikramaditya M, **Alenezi K M**, Ganguly R, Mandal D. Synthesis, structure, luminescent properties and catecholase activity of Zn(II) complex with N, O chelating agent. *Journal of Molecular Structure* 2020;129544. doi.org/10.1016/j.molstruc.2020.129544.
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7. **Alenezi K M**. Mn(III) Catalyzed Electrochemical Reduction of C[O.sub.2] on Carbon Electrodes. *Croatica Chemica Acta* 2020; 93; 1.
8. **Alshammari H M.**, Nadir A, Humaidi J. R., **Alzahrani S A.**, Abdullah S. Alshammari, Mosaed S. Alhumaimess, Obaid F. Aldosari and Hassan M. A. Hassan, Correlation between the Properties of Sol-Gel Synthesized Graphene/Titania Hybrid Nanostructures and Their Catalytic Activity in Selective Aerobic Oxidation of Alcohols, *ECS Journal of Solid State Science and Technology* 9 (2020) 23002.
9. **Alshammari H M**, Alshammari Abdullah S, Jamal R. Humaidi,, **Salma A.** Alzahrani,, Mosaed S. Alhumaimess,, Obaid F. Aldosari, Hassan M. A. Hassan, Improved



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electrical stability of silver NWs based hybrid transparent electrode interconnected with polymer functionalized CNTs, *Processes* 8 (2020) 1380.

10. **Jeilani YA** and Nguyen MT. Autocatalysis in Formose Reaction and Formation of RNA Nucleosides. *Journal of Physical Chemistry B* 2020. Doi: 10.1021/acs.jpcb.0c07070.
11. Hassan SI, **Haque A**, **Jeilani YA**, Ilmi R, Faizi MSH, Khan I, Mushtaq M. Thioxanthone-based Organic Probe with Aggregation Enhanced Emission and Exceptional Mineral Acids Sensing Abilities. *J Mol Str* 2020;1224:129004. Doi: 10.1016/j.molstruc.2020.129004.
12. **Khan MWA**, **Al Otaibi A**, **Al-Zahrani SA**, **Alshammary EM**, *et al.* Experimental and Theoretical Insight into Resistance to Glycation of Bovine Serum Albumin. *J Mol Str* 2020. Doi: [10.1016/j.molstruc.2020.129645](https://doi.org/10.1016/j.molstruc.2020.129645).
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17. Khan WA, Alsamghan AS, **Khan MWA**. Endometrial cancer patients have high affinity antibodies for estrogen metabolite–receptor aggregate: A potential biomarker for EC. *J Obstet Gynaecol Re* 2020;46(10):2115-2125. Doi: [10.1111/jog.14413](https://doi.org/10.1111/jog.14413).
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Book Chapter

1. **Ashanul Haque, Ahmed Al Otaibi, Mohd Wajid Ali Khan,** Imran Khan. Emerging trends in ionic liquid-based drugs: An update in *Green Sustainable Process for Chemical and Environmental Engineering and Science- Solvents for the Pharmaceutical Industry*, Editors; Inamuddin, Boddula R, Ahamed MI, Asiri AM. Elsevier, pp293 293.