



Department of Chemistry
B.Sc. Chemistry Program



List of Publication - Male Branch:

Dr. Hamed Alshammari

1. **Hamed M. Alshammari**, Jamal R. Humaidi, Mosaed S. Alhumaimess, Obaid F. Aldosari, Mohammad H. Alotaibi, Hassan M. A. Hassan, Ibrahim Wawata. Bimetallic Au:Pd nanoparticle supported on MgO for the oxidation of benzyl alcohol. *Reaction Kinetics, Mechanisms and Catalysis* 2019;**128**:97–108.

Dr. Khalaf M. Alenezi

1. Milan Vraneš, Snežana Papović, Sanja Rackov, Khalaf Alenezi, Slobodan Gadžurić, Aleksandar Tot, Branka Pilić Thermophysical and electrochemical properties of 1-alkyl-3-(3-butenyl)imidazolium bromide ionic liquids. *The Journal of Chemical Thermodynamics* 2019;139:105871.

Dr. Ahmed Al Otaibi

1. Ahmed Al Otaibi, Fiona M Deane, Cecilia C Russell, Lacey Hizartzidis, Siobhann N McCluskey, Jennette A Sakoff, Adam McCluskey. A methanol and protic ionic liquid Ugi multicomponent reaction path to cytotoxic α -phenylacetamido amides. *RSC Adv.*, 2019, **9**, 7652-7663

Dr. Ahsanul Haque

1. Cyclometalated tridentate platinum(II) arylacetylide complexes: Old wine in new bottles, **A. Haque***, R. A. Al Balushi, M. K. Al-Suti, L. Xu, Z. Guo, M. S. Khan, W.-Y Wong, P.R. Raithby, *Chem. Soc. Rev.*, 2019,48, 5547-5563.
2. Synthesis and photo-physics of red emitting europium complexes: An estimation of the role of ancillary ligand by chemical partition of radiative decay rate, R. Ilmi, **A. Haque**, M. S. Khan, J. Photochem. Photobiol. A: Chem. 370, 135-144, 2019.
3. σ -Acetylide complexes for biomedical applications: Features, challenges and future directions, **A. Haque***, R. A. Al Balushi, M. S. Khan, *J. Organomet. Chem*, 2019, 897, 95-106.
4. Synthesis, structural and biological activity of n-substituted 2-methyl-4-/5-nitroimidazole derivatives, M. Mushtaque, F. Avecilla, **A. Haque***, Zafar Yab, M. M. A. Rizvi, M. S. Khan, *J. Mol. Struc.*,1185, 440-449, 2019.



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5. A new brilliant red emitting Eu(III) ternary complex and its transparent flexible and photostable poly(urethane) hybrid thin films for optoelectronic applications, R. Ilmi, S. Anjum, **A. Haque**, M. S. Khan, J. Photochem. Photobiol. A: Chem. 383, 111968, 2019.
6. Synthesis and photophysical properties of hetero trinuclear complexes of tris β -diketonate europium with organoplatinum chromophore. R. Ilmi, **A. Haque**, I.J. Al-Busaidi, N. Al Rasbi, M. S. Khan. Dyes and Pigments, 59-66, 162, 2019.
7. Synthesis, optical spectroscopy, structural, and DFT studies on dimeric iodo-bridged copper(I) complexes, **A. Haque***, R. A. Al Balushi, I. J. Al-Busaidi, N. Al Rasbi, R. Ilmi, M. Jayapal, M. S. Khan, P. R. Raithby, J. Organomet. Chem. 892, 75-82, 2019.

Dr. Mohd Wajid A. Khan

1. Sultan Alouffi, **Mohd Wajid A. Khan**, Dicarbonyls generation, toxicities, detoxifications and potential roles in diabetes complications. Current Protein & Peptide Science 2019.
2. Wahid A. Khan, Gaffar S. Zaman, Sultan Alouffi, **Mohd Wajid A. Khan**, Depression and its related parameters increased the production of autoantibodies against 16α -hydroxyestrone albumin complex in systemic lupus erythematosus, International Immunopharmacol 2019, 71, 215-223.
3. Wahid A. Khan, **Mohd Wajid A. Khan**, Subuhi Sherwani, Waseem A. Siddiqui, Depression enhanced the production of autoantibodies against 16α hydroxyestrone-estrogen receptor adduct in breast cancer, International Immunopharmacol 2019, 66, 251-259.



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List of publications – Female Branch:

Dr. Salma A. Al-Zahrani

1. Zaheer Khan, **Salma Ahmed Al-Zahrani**, Qana A. AlSulami, Shaeel Ahmad Al-Thabaiti, Wafa Shamsan Al-Arjan Effects of shape-controlling cationic and anionic surfactants on the morphology and surface resonance plasmon intensity of silver@copper bimetallic nanoparticles. Journal of Molecular Liquids 275 (2019) 354–363.

Dr. Raoudha Soury

1. **Raoudha Soury**, Mahjoub Jabli, Tawfik A.Saleh, Azhar Kechich, Frederique Loiseaue, EricSaint-Aman, HabibNasri, Degradation of Calmagite by dichloride (5,10,15,20tetraphenylporphyrinato)antimonyhexachloridoantimonate:[Sb(TPP)Cl₂] SbCl₆, Inorganic Chemistry Communications 2019, 104, 54 – 60.
2. **Raoudha Soury**, Marwa Chaabened, Mahjoub Jabli, Tawfik A.Saleh, Rafik Ben Chaabane, EricSaint-Aman, Frédérique Loiseau, Christain Philouze, Abdul-Rahman Allouche, Habib Nasri, Meso-tetrakis(3,4,5-trimethoxyphenyl)porphyrin derivatives: Synthesis, spectroscopic characterizations and adsorption of NO₂, Chemical Engineering Journal 2019, 375, 122005.