

## Publications (in last five years):

### Books

M. Ajmal Ali, G. Gábor and F. Al-Hemaid (2015) Plant DNA Barcoding and Phylogenetics. Lambert Academic Publishing, Germany. ISBN: 978-3-659-28095-5; <https://www.lap-publishing.com/catalog/details//store/gb/book/978-3-659-28095-5/plant-dna-barcoding-and-phylogenetics>. 320 pages  
(<http://faculty.ksu.edu.sa/78343/CV/Plant%20DNA%20barcoding%20Lambert1.pdf>)

### Research Papers (2011-2016)

#### 2016

Gurung, A.B., M.A. Ali, A. Bhattacharjee, M. Abul Farah, F. Al-Hemaid, F.M. Abou-Tarboush, K.M. Al-Anazi, J. Lee (2016) Molecular docking of anticancer bioactive compound Proceraaside with macromolecules involved in cell cycle and DNA replication. Genetics and Molecular Research (Accepted), ISI Thomson Reuters Impact Factor: 0.7).

Abul Farah, M., M.A. Ali, S.M. Chen, Y. Li, F.M. Al-Hemaid, F.M. Abou-Tarboush, K.M. Al-Anazi, Joongku Lee (2016) Silver nanoparticles synthesized from *Adenium obesum* leaf extract induced DNA damage, apoptosis and autophagy via generation of reactive oxygen species. Colloids and Surfaces B: Biointerfaces. 141: 158-169  
(<http://www.sciencedirect.com/science/article/pii/S0927776516300273>, ISI Thomson Reuters Impact Factor: 4.1).

Gurung, A.B., A. Bhattacharjee, M.A. Ali, F. Hemaid, J. Lee (2016) Binding of small molecules at interface of protein-protein complex- A newer approach to rational drug design. Saudi Journal of Biological Sciences ( <http://www.sciencedirect.com/science/article/pii/S1319562X16000103>, ISI Thomson Reuters Impact Factor: 1.27).

Ali, M.A., M.A. Farah, F.M. Al-Hemaid, F.M. Abou-Tarboush, K.M. Al-Anazi, S.M. Wabaidur, Z.A. Alothman and J. Lee (2015) Assessment of biological activity and UPLC-MS based chromatographic profiling of ethanolic extract of *Ochradenus arabicus*. Saudi Journal of Biological Sciences 23, 229–236  
(<http://www.sciencedirect.com/science/article/pii/S1319562X15000492> , ISI Thomson Reuters Impact Factor: 1.27).

#### 2015

Al-Hemaid, F.M.A., M.A. Ali, J. Lee, S.Y. Kim and M.O. Rahman (2015) Molecular evolutionary relationships of *Euphorbia Scordifolia* Jacq. within the genus inferred from analysis of internal transcribed spacer sequences. Bangladesh J. Plant Taxon. 22(2): 111-118, 2015.  
(<http://www.banglajol.info/index.php/BJPT/article/view/26072> , ISI Thomson Reuters Impact Factor: 0.696).

Ali, M.A., F.M. Al-Hemaid, J. Lee, A.A. Hatamleh, G. Gyulai and M.O. Rahman (2015) Unraveling systematic inventory of *Echinops* (Asteraceae) with special reference to nrDNA ITS sequence based molecular typing of *Echinops abuzinadianus*. Genetics and Molecular Research 14 (4): 11752-11762.  
(<http://www.geneticsmr.com/articles/5142> , ISI Thomson Reuters Impact Factor: 0.7).

- Gurung, A.B., B.J. Myllemngap, A. Bhattacharjee, M.A. Ali and F.M.A. Al-Hemaid (2015) Interactome analysis and design of inhibitors against selected protein targets of Ser/Thr protein kinase (STPK) signaling pathways in *Mycobacterium tuberculosis* H37Rv. *Genetics and Molecular Research* 14 (3): 10390-10403 (<http://geneticsmr.com/articles/5002> , ISI Thomson Reuters Impact Factor: 0.7).
- Ali M.A., J. lee, S.Y. Kim, S.H. Park and F.M.A. Al-Hemaid (2015) Molecular phylogenetic analyses of internal transcribed spacer sequences of nuclear ribosomal DNA defined monophyly of the genus *Phytolacca* L. (Phytolaccaceae). *Bangladesh Journal of Plant Taxonomy* 22(1): 1-8, 2015. (<http://www.banglajol.info/index.php/BJPT/article/viewFile/23859/16315> , ISI Thomson Reuters Impact Factor: **0.696**).
- Palanisamy, S., C. Karuppiyah, S.M. Chen, K. Muthupandi, R. Emmanuel, P. Prakash, M.S. Elshikh, M.A. Ali, F.M.A. Al-Hemaid (2015) Selective and simultaneous determination of dihydroxybenzene isomers based on green synthesized gold nanoparticles decorated reduced graphene oxide. *Electroanalysis* 27:1144-1151. (<http://onlinelibrary.wiley.com/doi/10.1002/elan.201400657/abstract> , ISI Thomson Reuters Impact Factor 2.138).
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- Devasenathipathya, R., R. Karthik, S.M. Chen, V. Mani, V.S. Vasantha, M.A. Ali, M.S. Elshikh, B.S. Lou and F.M.A. Al-Hemaid (2015) Potentiostatic electrochemical preparation of bismuth nanoribbons and its application in biologically poisoning lead and cadmium heavy metal ions detection. *Electroanalysis* 27 (10): 2341–2346 (<http://onlinelibrary.wiley.com/doi/10.1002/elan.201500255/abstract> , ISI Thomson Reuters Impact Factor: 2.502).
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Microchim Acta 182:2165–2172 (<http://link.springer.com/article/10.1007%2Fs00604-015-1545-1> , ISI Thomson Reuters Impact Factor: 3.719).

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Li, Y., S.M. Chen, W.C. Chen, Y.S. Li, M.A. Ali and F.M.A. Al-Hemaid (2011) Platinum nanoparticles (PtNPs)-laccase assisted biocathode reduction of oxygen for biofuel cells. *International Journal of*

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