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## Research News. Publications, 2016. Volume 1

University of Mississippi. School of Pharmacy

Soumyajit Majumdar

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***Interoffice Memorandum***

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To: All School of Pharmacy and USDA Personnel

From: Soumyajit Majumdar, Associate Dean for Research and Graduate Programs

Date: July 21, 2016

The following Publications have appeared during the January 1, 2016 through June 30, 2016 period.

1. Abu-Darwish MS, Cabral C, Gonçalves MJ, Cavaleiro C, Cruz MT, Zulfiqar A, Khan IA, Efferth T, Salgueiro L. Chemical Composition and Biological Activities of Artemisia judaica Essential Oil from Southern Desert of Jordan. *Journal of Ethnopharmacology*. 2016. doi: <http://dx.doi.org/10.1016/j.jep.2016.06.023>.
2. Ahmed R, Wang YH, Ali Z, Smillie TJ, Khan IA.; HPLC Method for Chemical Fingerprinting of Guggul (*Commiphora wightii*) - Quantification of E- and Z-Guggulsterones and Detection of Possible Adulterants. *Planta Med*. 2016 Mar;82(4):356-61. doi: 10.1055/s-0035-1558211. Epub 2015 Dec 15. PMID: 26669677 [PubMed - in process].
3. Almutairy BK, Alshetaili AS, Ashour EA, Patil H, Tiwari RV, Alshehri SM, Repka MA. Development of a floating drug delivery system with superior buoyancy in gastric fluid using hot-melt extrusion coupled with pressurized CO<sub>2</sub>. *Die Pharmazie*. 2016;71(3):128-33. doi: 10.1691/ph.2016.5105.

4. Alshehri SM, Tiwari RV, Alsulays BB, Ashour EA, Alshetaili AS, Almutairy B, Park JB, Morott J, Sandhu B, Majumdar S, Repka MA. Investigation of the combined effect of MgO and PEG on the release profile of mefenamic acid prepared via hot-melt extrusion techniques. *Pharm Dev Technol*. 2016 Jan 29;1-14. [Epub ahead of print] PubMed PMID: 26821841.
5. Alshetaili AS, Almutairy BK, Alshahrani SM, Ashour EA, Tiwari RV, Alshehri SM, Feng X, Alsulays BB, Majumdar S, Langley N, Kolter K, Gryczke A, Martin ST, Repka MA. Optimization of hot melt extrusion parameters for sphericity and hardness of polymeric face-cut pellets. *Drug Dev Ind Pharm*. 2016 May 4:1-9. [Epub ahead of print] PubMed PMID: 27080252.
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7. Aumsuwan P, Khan SI, Khan IA, Ali Z, Avula B, Walker LA, Shariat-Madar Z, Helferich WG, Katzenellenbogen BS, Dasmahapatra AK. The anticancer potential of steroidal saponin, dioscin, isolated from wild yam (*Dioscorea villosa*) root extract in invasive human breast cancer cell line MDA-MB-231 in vitro. *Arch Biochem Biophys*. 2016;591:98-110. doi: 10.1016/j.abb.2015.12.001.
8. Aumsuwan P, Khan SI, Khan IA, Walker LA, Dasmahapatra AK. Gene expression profiling and pathway analysis data in MCF-7 and MDA-MB-231 human breast cancer cell lines treated with dioscin. *Data Brief*. 2016 May 25;8:272-9. doi: 10.1016/j.dib.2016.05.040. eCollection 2016 Sep. PMID: 27331101.
9. Avonto C, Chittiboyina AG, Wang M, Vasquez Y, Rua D, Khan IA. In chemico evaluation of tea tree essential oils as skin sensitizers. Impact of the chemical composition on aging and generation of reactive species. *Chem Res Toxicol*. 2016: Ahead of Print. doi: 10.1021/acs.chemrestox.5b00530.
10. Avula B, Chittiboyina AG, Wang Y-H, Sagi S, Raman V, Wang M, Khan IA. Simultaneous Determination of Aegeline and Six Coumarins from Different Parts of the Plant *Aegle marmelos* Using UHPLC-PDA-MS and Chiral Separation of Aegeline Enantiomers Using HPLC-ToF-MS. *Planta Med*. 2016;82(6):580-8.
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## BOOK CHAPTER -

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