



Faculty Resume		
Personal Information		
1	College	Basic Education
2	Department	Science
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8	Research Interests (Concentration)	porous materials, semiconductors, gas sensing, opto-catalyst, opto-electronic cells, sorption, nanoparticles, quantum dots.
Publications		
1. Tariq Aqeel, Heather F. Greer, Wuzong Zhou, Duncan W. Bruce, Ali Bumajdad, Novel Direct Synthesis of Mesoporous Tin Dioxide Network Intact up to 500 °C, <i>Journal of Nano research</i>, March 2016, Vol (40) pages 79-89. 2. Tariq Aqeel and Ali Bumajdad, Use of Mesoporous Tin Dioxide Containing Zinc Oxide Nanoparticles for Degradation of Phenol by Sunlight, <i>Science of Advanced Materials</i>, Vol. 9, pp. 847–856, 2017. 3. Tariq Aqeel and Ali Bumajdad, Mesoporous silica prepared by modified true liquid crystal templating method with high thermal stability and 10-year shelf life, <i>Journal of Porous Materials</i>, Vol 25, pages:1237–1243, 2018, DOI 10.1007/s10934-017-0534-7. 4. Tariq Aqeel, Heather F. Greer, Ali Bumajdad, Novel synthesis of crystalline mesoporous tin dioxide doped with nanogold, <i>Kuwait Journal of Science</i>, 45(2) pages 89-99, 2018. 5. Tariq Aqeel and Haifaa N. Abdullah, Direct one-step synthesis of mesoporous ZnO-silicate matrix using a true liquid crystal method, <i>Main Group Chemistry</i>, Vol.17 pages: 235–246, 2018, DOI 10.3233/MGC-180266. 6. Tariq Aqeel, Vardan Galstyan and Elisabetta Comini, Mesoporous polycrystalline SnO₂ framework synthesized by		



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الموقع الإلكتروني لكلية التربية الأساسية

direct soft templating method for highly selective detection of NO₂, Nanotechnology 31 (2020) 105502 (12pp), <https://doi.org/10.1088/1361-6528/ab5a1e>.

7. Tariq Aqeel and Ali Bumajdad, Facile and Direct Preparation of Ultrastable Mesoporous Silica with Silver Nanoclusters: High Surface Area, ChemistryOpen 2020, 9, 87–92, DOI: 10.1002/open.201900275.

8. Tariq Aqeel and Heather F. Greer, Quantum-Sized Zinc Oxide Nanoparticles Synthesised within Mesoporous Silica (SBA-11) by Humid Thermal Decomposition of Zinc Acetate, Crystals 2020, 10, 549; doi:10.3390/cryst10060549.

9. Tariq Aqeel, Vardan Galstyan, Elisabetta Comini, and Ali Bumajdad, Efficient one-pot synthesis of antimony-containing mesoporous tin dioxide nanostructures for gas-sensing applications, Arabian Journal of Chemistry, Vol. 16, Issue 6, June 2023, 104797, doi: <https://doi.org/10.1016/j.arabjc.2023.104797>.