

WAN ZURINA SAMAD



- KULLIYAH OF SCIENCE
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ACADEMIC QUALIFICATION

- Science (Chemistry)
- Science (Chemistry)

TEACHING RESPONSIBILITIES

CONCEPTS IN PHYSICS	2016/2017 2017/2018 2018/2019
FINAL YEAR PROJECT I	2016/2017 2017/2018 2018/2019
FINAL YEAR PROJECT II	2016/2017 2017/2018
INDUSTRIAL CATALYSIS	2016/2017 2017/2018 2018/2019
PHYSICAL CHEMISTRY I	2016/2017 2017/2018
PHYSICAL CHEMISTRY II	2017/2018

RESEARCH PROJECTS

In Progress

2016 - Present Comparative palynology of selected species in Sterculiaceae

Completed

2016 - 2018 Comparative palynology of selected species in Sterculiaceae

PUBLICATIONS

Article

- 2019** [Glycerol degradation in the absence of external hydrogen gas by using waste eggshell as heterogeneous catalyst = Degradasi gliserol tanpa kehadiran hidrogen luaran dengan menggunakan sisa kulit telur sebagai mangkin heterogen.](#) Malaysian Journal of Analytical Sciences , 23 (5) pp.880-891
- 2019** [Palladium nanoparticles supported on fluorine-doped tin oxide as an efficient heterogeneous catalyst for Suzuki coupling and 4-nitrophenol reduction.](#) Journal of Chemical Sciences , 131 (11) pp.1-12

- 2019** [Extraction and characterization of microfibrillated and nanofibrillated cellulose from office paper waste = Pengekstrakan dan pencirian mikrofibril dan nanofibril selulosa daripada sisa kertas pejabat.](#) Malaysian Journal of Analytical Sciences , 23 (5) pp.901-913
- 2019** [Characterization and catalytic activity of os/bentonite catalyst for hydrogenolysis of glycerol = Pencirian dan aktiviti pemangkin os/bentonit untuk tindak balas hidrogenolisis gliserol.](#) Malaysian Journal of Analytical Sciences , 23 (5) pp.892-900
- 2018** [Controlled release electrochemical synthesis and cytotoxicity study of copper\(II\) nanoparticles in copper\(II\) decanoate complex.](#) Nano , 13 (5) pp.1850048-1-1850048-14
- 2017** [Fluorine-doped tin oxide catalyst for glycerol conversion to methanol in sub-critical water.](#) Journal of Supercritical Fluids , 120 (2) pp.366-378
- 2016** [The influence of calcination temperature on iron oxide \(\$\alpha\$ -Fe₂O₃\) towards CO₂ adsorption prepared by simple mixing method = Kesan suhu pengkalsinan ferum oksida \(\$\alpha\$ -Fe₂O₃\) disediakan melalui kaedah campuran ringkas terhadap penyerapan CO₂.](#) Malaysian Journal of Analytical Sciences , 20 (6) pp.1286-1298

Conference or Workshop Item

- 2017** [Influence of the calcination temperature on the catalytic properties of Os/bentonite for glycerol hydrogenolysis.](#) In: **International Conference on X-Rays and Related Techniques in Research and Industry, ICXRI 2016**
- 2017** [Effect of metals compatibility on fluorine-doped tin oxide catalyst for glycerol conversion to 1,2-Propanediol.](#) In: **International Conference on X-Rays and Related Techniques in Research and Industry, ICXRI 2016**
- 2017** [Carbon dioxide adsorption and desorption study using bimetallic calcium oxide impregnated on iron \(III\) oxide.](#) In: **International Conference on X-Rays & Related Techniques in Research & Industry 2016 (ICXRI 2016)**

Book Book Section