Mohammed Fathi Khaleel Alsultan

Doctor of Philosophy (Integrated) in Chemistry
D.O.B.: 17-May-1977
Nationality: Iraqi
Location: University of Mosul

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Position

Chemistry Lecture at University of Mosul education collage for Inorganic, Organic and Biochemistry since 2007 till now. I have an experience in teaching chemistry at university of Wollongong specialist in inorganic chemistry catalysts. Recently, I finished phD study at university of Wollongong.

Qualifications

Bachelor in Science (B.S.) Chemistry University of Mosul/Iraq in 2001

Master in Education (M.S.E) CHEMISTRY University of Mosul/Iraq in 2006

Doctor of Philosophy (Ph.D.) Chemistry University of Wollongong / Australia in 2019

LANGUAGES

Arabic – Mother tongue
English – Excellent reading, writing and speaking

SPECIALIZED SKILLS and Experiences

- Teaching inorganic chemistry since 2007
- Teaching organic chemistry since 2007
- Teaching biochemistry since 2007

- Laboratory lab experience in analytical and industrial chemistry since 2007
- Graquaction projects leader and supervision for last year students since 2007
- Enviromental and healthy eduacated lecture for humamtary collages at university of Mosul since 2007.

PROFESSIONAL EXPERIENCE

Future fuel energy and Energy conversion research. Many of the phenomena we see in everyday life and many of the research tools behind the nanotechnology revolution involving the interfaces between chemical material as catalyst for water splitting application.

Publications

Alsultan, M.F.; Yonis, F. M. Preparation and characterization of new complexes for cobalt (II), nickel (II) and copper (II) with ligands derived from 4- hydroxyacridine and 3,6 diaminoacridine. College of Basic Education Researchers Journal V. 9, No. 4, 2010, 551-563.

Alsultan, M.; Ranjbar, A.; Swiegers, G. F.; Wallace, G. G.; Balakrishnan, S.; Huang, J. Application of Conducting Polymers in Solar Water-Splitting Catalysis. In Industrial Applications for Intelligent Polymers and Coatings, Hosseini, M.; Makhlouf, A. S. H., Eds. Springer International Publishing: Cham, 2016; pp 223-251.

Alsultan, M.; Balakrishnan, S.; Choi, a.; Jalili, R.; Tiwari, P.; Wagner, P.; Swiegers, G. F. Synergistic Amplification of Water Oxidation Catalysis on Pt by a Thin-Film Conducting Polymer Composite. ACS Appl. Energy Mater. 2018, advance article (DOI: 10.1021/acsaem.8b00728).

Alsultan, M.; Balakrishnan, S.; Choi, a.; Jalili, R.; Tiwari, P.; Wagner, P.; Swiegers, G. F. Synergistic Amplification of Water Oxidation Catalysis on Pt by a Thin-Film Conducting Polymer Composite. ACS Appl. Energy Mater. 2018, advance article (DOI: 10.1021/acsaem.8b00728).

A Composite PEDOT/Nano-Ni/rGO Photocatalyst that is more Active than Pt for Hydrogen Generation. Poster presented at the International Conference on Nanoscience and Nanotechnology 29 Jan -2 Feb 2018 (ICCON 2018).

Photocatalytic Water Oxidation by Composites of Ni Nanoparticles, reduced Graphene Oxide (rGO) and Poly (3,4-ethylenedioxythiophene) (PEDOT). Poster presented at the International Electromaterials Science Symposium, 8-10 February 2017.

Gagrani, A., Alsultan, M., Swiegers, G. F. & Tsuzuki, T. (2019). Photo-Electrochemical Oxygen Evolution Reaction by Biomimetic $CaMn_2O_4$ Catalyst. Applied Sciences (APPS), 9 (11), 9112196-1-9112196-11.