

Dr. Nicholas Ng Kei Hoa

Assistant Manager, R&D Centre

Top Glove International Sdn. Bhd.

PT64593, Jalan Dahlia / KU8, Kawasan Perindustrian Meru Timur,
41050 Klang, Selangor D.E., Malaysia.

Email: ngkh@topglove.com.my

Tel: 014 9880518



LinkedIn

Education & Qualification

2013 to 2018	Doctor of Philosophy, Universiti Tun Hussein Onn Malaysia Mechanical and Manufacturing Engineering Area of expertise: (Fuel Cell)
2010 to 2013	Bachelor of Mechanical Engineering, Universiti Tun Hussein Onn Malaysia
2007 to 2010	Diploma in Mechanical Engineering Universiti Tun Hussein Onn Malaysia



Working Experience

Top Glove International Sdn. Bhd.

June 2018 till Jan 2020	Job Title:	Researcher
Feb 2020 till Jan 2021	Job Title:	Researcher II
Feb 2021 till now	Job Title:	Assistant Manager

Field of Specialization

Mechanical Engineering:	Design of solid oxide fuel cell (SOFC) fabrication mold for planar single cell stacks.
Fuel Cell Engineering:	Fabrication of SOFCs for low to intermediate operating temperature conditions, setup on electrochemical testing and analysis station for single cell.
Nitrile Glove Research and Process Enhancement:	Development of new nitrile and coagulant formulation for nitrile glove dipping process. Focused on thermal profiling improvement for glove vulcanization oven. Actively involved in glove research with compliance of various regulatory and customer demands.

Professional Affiliation

Board of Engineering Malaysia
(Mechanical)

Graduate Member (G1161066A)

Awards

Best Staff for Top Glove Group of Companies in 2020

5 Stars Publication Award by Universiti Tun Hussein Onn Malaysia in 2018

Young Presenter Award by International Conference on X-rays & Related Techniques in Related Industries in 2016

Publications

Agun, L., Ho, K.N., Rahman, H. A., Ahmad, S. (2020) Effects of binary (Lithium/Sodium) carbonates on the phase and microstructural stability of LSCF-SDC for Low Temperature Solid Oxide Fuel Cells. *Sains Malaysiana*, 4, 3155-3167.

Rahman H.A., Ho, K.N., Ahmad S., Taib H., Mahzan S., Salleh S.M., Ismail A. (2019): Influence of microstructure on the electrochemical behaviour of LSCF-SDCC. *Materials Science and Engineering* 494 (1), 12062

Ho, K. N., Rahman, H. A., Somalu, M. R. (2019) A short review on the enhancement of composite anode for low-temperature solid oxide fuel cells, *International Journal of Hydrogen Energy*

Ho, K. N., Rahman, H. A., Somalu, M. R. (2018). Influence of Ag addition on the microstructural and thermal characteristics of NiO-SDCC for low temperature solid oxide fuel cell, *International Journal of Integrated Engineering*. 1, 196-201

Ho, K. N., Rahman, H. A., Somalu, M. R. (2018). Effects of NiO loading and pre-calcination temperature on NiO-SDCC composite anode powders for low-temperature solid oxide fuel cells. *Ceramics-Silikáty*, 62, 50-58.

Ho, K. N., Rahman, H. A., Afandi, S. (2017). Effects of milling speed and calcination temperature on the phase stability of Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-δ}. *Materials Science Forum*. 888, 47-51.

Ho, K. N., Rahman, H. A., Somalu, M. R. (2016). Preparation of nickel oxide-Samarium-doped ceria carbonate composite anode powders by using high-energy ball milling for low-Temperature Solid Oxide Fuel Cells. *Material Science Forum*. 840, 97-102.

Ho, K. N., Rahman, H. A., Somalu, M. R. (2016). Influence of calcination on the properties of nickel oxide-samarium doped ceria carbonate (NiO-SDCC) composite anodes. *Procedia Chemistry*. 19, 267-274.