



Dr. ARUL JOSEPH HELEN THERESE, Adjunct Faculty

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Alagappa University, Karaikudi.	2019	*Physics	Awarded
M.Phil.	Alagappa University, Karaikudi.	2013	Physics	First
B.Ed.	Alagappa University, Karaikudi.	2004	Physical Sciences	First
M.Sc.	Alagappa University, Karaikudi.	2011	Physics	First

***Thesis Title:** Synthesis and characterization of polymer electrolyte membranes for DMFC applications.

Teaching Experience

Position	Institution	Duration
Teaching Assistant	Dept. of Bioelectronics & Biosensors Alagappa University, Karaikudi.	18.06.2019 -till date
Teaching Assistant	Dept. of Nanoscience & Technology, Alagappa University, Karaikudi.	18.06.2014 -30.04.2017

Areas of Research

Materials Science: Li-ion Battery, Proton Exchange Membrane fuel cell.

Publications

International		National		Others Books / Chapters
Journals	Conferences	Journals	Conferences	
5	8	2	5	-

Cumulative Impact Factor(as per JCR) : 8.1
 h-index : 3(Google Scholar)
 i10 index : 3
 Total Citations : 57

https://scholar.google.com/citations?view_op=list_works&hl=en&user=vsi4VmoAAAAJ

List of Research Articles

Authors/Title of the paper/Journal	Impact Factor
J. B. Arul Joseph Helen Therese , K.Selvakumar, R.Gayathiri, M.Ramesh Prabhu, P.Siva kumar, In-situ polymerization of Poly aniline - SPEEK- PMA based proton exchange membrane for DMFC application, Journal of ThermoplasticCompositeMaterials,34(2),221–237,2019.DOI: 10.1177/0892705719835293.	3.3
J.B. Arul Joseph Helen Therese , K. Selvakumar, R. Gayathiri, M. Ramesh Prabhu, P. Sivakumar, Synthesis and characterization of Torlon- SPEEK- sulfonatedsilicapronconductingpolymerelectrolytesforPEMfuelcell applications, Material Research Express.	2.3
J.B. Arul Joseph Helen Therese , K.Selvakumar, R. Gayathiri, M. Ramesh Prabhu, P. Sivakumar, Incorporation of Sulfonated silica nano particles into polymer blend membrane for PEM fuel cell applications, Material Research Express,6(11),115336, 2019.DOI:10.1088/2053-1591/ab4a3b.	2.3