

## PROFILE

Dr. M. NITHYA  
No 1/27 Ramiyampatti (Vill&Po)  
Pappireddipatti (TK)  
Dharmapuri (DT)  
Pin: 635 302.

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### **Educational Qualifications :**

**Doctor of Philosophy in Chemistry** : October 2019  
Periyar University, Salem.

**Master of Philosophy in Chemistry 77 %** : August 2012  
Thiruvalluvar University, Vellore.

**Master of Science in Chemistry 80.95%** : April 2011  
Bharathiar university. Coimbatore.

**Bachelor of Education 81.2 %** : June 2009  
Teacher Education University, Chennai.

**Bachelor of Science in Chemistry 80.86 %** : April 2008  
Bharathiar university. Coimbatore

**Higher Secondary Course 81.5%** : March 2005  
PDRV Mat.Hr.Sec.School, Harur

**High School 82.2 %** : April 2003  
St. Mary's High Secondary School, Harur.

## Dissertation Topic

### STUDIES ON NdCrO<sub>3</sub> BASED NANO CRYSTALLINE CATHODE FOR SOLID OXIDE FUEL CELLS

#### Academic Experience

- Guest Lecturer in Chemistry, Govt Arts College , Dharmapuri November 2012 to December 2014
- Assistant Professor, ERK Arts and Science College harur August 2022 to Feb 2023
- Guest Lecturer in Chemistry, Govt. Arts College for Women, krishnagiri – Feb 2023 to tilldate.

#### Personality Traits

- Excellent communication and comprehension skills.
- Excellent advisory and problem solving skill

#### Publications

##### Journals Published :

- [1] **M.Nithya**<sup>1</sup> and M. Rajasekhar<sup>2\*</sup>, Preparation and Characterization of NdCrO<sub>3</sub> Cathode for Intermediate Temperature Fuel Cell Application. International Journal of Applied Chemistry. ISSN 0973-1792 Volume 13, Number 4 (2017) PP 879-886.
- [2] **M. Nithya**<sup>1</sup> and M. Rajasekhar<sup>2\*</sup>, Preparation And Characterization Of Nd<sub>1-x</sub>Ca<sub>x</sub>CrO<sub>3</sub> Cathode Material for Intermediate Temperature Solid Oxide Fuel Cells. IOSR Journal of Applied Chemistry (IOSR-JAC) e-ISSN: 2278-5736. Volume 10, Issue 12 Ver. I Dec.2017, PP 41-46
- [3] M.Rajasekhar<sup>1</sup> , **M.Nithya**<sup>1</sup>, Synthesis and Characterization of Nd<sub>1-x</sub>Ba<sub>x</sub>AlO<sub>3</sub> Cathode Material for Intermediate Temperature Solid Oxide Fuel Cell. International Journal of Engineering Science Invention ISSN: 2319 – 6734, ISSN: 2319 – 6726, PP 59-63.
- [4] M. Rajasekhar, J. Marimuthu, **M. Nithya**, N. Kalaivani, Studies on Gd<sub>1-x</sub>Ba<sub>x</sub>CoO<sub>3</sub> Cathode Material for Solid Oxide Fuel Cells. International Journal of Advanced Research in Science, Engineering and Technology Vol. 3, Issue 7, July 2016
- [5] M. Rajasekhar<sup>1\*</sup>, N. Kalaivani<sup>2</sup>, **M. Nithya**<sup>3</sup> , J. Marimuthu<sup>4</sup>, Studies on BaTiO<sub>3</sub> Anode Material for Intermediate Temperature Solid Oxide Fuel Cell (IT-SOFC). J. Environ. Nanotechnol. Volume 5, No.3(2016) PP. 24-28.
- [6] M.Rajasekhar<sup>1\*</sup>, N.Kalaivani<sup>2</sup> , **M.Nithya**<sup>3</sup>, Studies On Gd<sub>2</sub>O<sub>3</sub> Electrolyte For Intermediate Temperature Solid Oxide Fuel Cell. IOSR Journal of Applied Chemistry (IOSR-JAC) e-ISSN:

**Conferences/Workshop/Seminars/Symposiums**

| <b>Conference/Seminar/Symposia/Workshop/Webinar</b> |                   |                      |                |                 |                 |                |
|---|-------------------|----------------------|----------------|-----------------|-----------------|----------------|
|   | <b>Conference</b> |                      | <b>Seminar</b> | <b>Symposia</b> | <b>Workshop</b> | <b>Webinar</b> |
|   | <b>National</b>   | <b>International</b> |                |                 |                 |                |
| <b>Attended</b>                                     | -                 | -                    | -              | -               | -               | -              |
| <b>Presented</b>                                    | -                 | -                    | -              | -               | -               | -              |

**Personal Profile:**

Date of Birth : 18-06-1988  
Marital Status : Married  
Nationality : Indian  
Community : BC  
Religion : HINDU  
Languages known :English,Tamil  
Area of Interest : Reading Books, Gardening, Cooking