



P.S.R. ENGINEERING COLLEGE

An Autonomous Institution, Affiliated to Anna University, Chennai
Approved by AICTE, New Delhi & Accredited by National Board of Accreditation (NBA)
Accredited by NAAC with "A+" Grade, Recognized under 12(B) of the UGC Act, 1956.
An ISO 9001: 2015 Certified Institution



Sevalpatti (P.O), Sivakasi – 626 140, Tamil Nadu.

FACULTY PROFILE

Name of the Department : Physics
Name of the faculty member : M. AnandhaJothi
Present Designation : Assistant Professor
Date of Joining : 02/ 08/ 2021
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Mobile no : 8940012772



Particulars of Educational Qualification*:

Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University
Ph. D	Physics	Pursuing	Kalasalingam Academy of Research and Education	Kalasalingam Academy of Research and Education
M. Sc	Physics	2014	Ayya Nadar Janaki Ammal College	Madurai Kamaraj University
B. Sc	Physics	2012	AKDDR Women's College	Madurai Kamaraj University

Academic Experience (in Years & Months) : Nil

INSTITUTION	POSITION/ DESIGNATION	PERIOD	EXPERIENCE

Total Research Experience (in Years & Months): 3 Years 9 Months

FDP/Seminar/Workshop attended:

- ❖ Participated in Two Weeks International Faculty Development Program on **PURSUIT OF EXCELLENCE IN RESEARCH AND ADVANCED TECHNOLOGY** during 20th - 30th, October 2021 organized by Department of Physics, Sathyabama Institute of Science and Technology, Chennai

- ❖ Participated in the National Webinar on **Intellectual Property Rights (IPR) - Patent & Designs Process** jointly organized by Department of Biotechnology and Institution's Innovation Council (IIC), Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College held on 12th November, 2021
- ❖ Attended the National Level E-Quiz 2021 - **UGC/NTA NET Paper-1(General)** organized by Department of Computer Science, Sri Ramakrishna College of Arts and Science (Autonomous), Coimbatore, Tamil Nadu on 21-10-2021 with passing score of 92%
- ❖ Participated in the International Conference on **Materials And Mathematical Sciences**, KARE held on 19/6/2020 & 20/6/2020
- ❖ Participated in the International E-Workshop on **Academic Book Writing & Related Topics**, Springer Nature held on 13/5/2020
- ❖ Participated in the International E-Workshop on **Academic Book Writing & Related Topics**, Springer Nature held on 18/5/2020
- ❖ Participated in the International E-Workshop on **Academic Book Writing & Related Topics**, Springer Nature held on 22/5/2020
- ❖ Attended the **1st International Career Outreach E-Workshop**, Bidhan Chandra College, Asansol, West Bengal on 21/6/2020
- ❖ Participated in the International E-Workshop on **Materials Technology Advancement in Current Scenario – MTACS2020**, Sathyabama Institute of Science and Technology, Chennai on 4/7/2020 to 10/7/2020
- ❖ Poster Presentation in National seminar on Materials Science & Applications - NSMSA 2018, **AC impedance analysis of lithium based PEO/PVP polymer blend electrolyte**, Organized by Department of Physics, Mother Teresa Women's University, Kodaikanal, Tamilnadu, India.
- ❖ Oral Presentation in 5th National Conference on Technologically Important Crystalline and Amorphous Solids (TICAS-2019), **Structural and impedance studies on polyvinyl alcohol and cornstarch blend polymer electrolytes** organized by Department of Physics, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, India.
- ❖ Oral Presentation in three days International Conference on Kalasalingam Global conference-2019, **Structural and Impedance Investigation on Biodegradable Blend Polymer Electrolytes of Cornstarch and Polyvinyl Pyrrolidone**, held at Kalasalingam Academy of Research and Education, Krishnankoil, on April 18-20, 2019, Tamilnadu, India.
- ❖ Oral Presentation in three days International Conference on Kalasalingam Global conference-2019, **Dielectric behavior of PVA and Cornstarch Polymer Blend Electrolytes**, held at Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, India.

- ❖ Oral Presentation in the two day International Conference on Recent trends in chemistry and biosciences, **Investigation on conductivity of NH₄SCN doped Cornstarch and PVP blend for battery application**, held at Madurai Kamaraj University, Madurai, Tamilnadu, India.
- ❖ Oral Presentation in National Conference on Novel Materials Synthesis and Characterization Techniques for Future World, **AC impedance investigation of lithium ion conducting polymer blend electrolyte using biodegradable Cornstarch and PVP**, organized by Department of Physics, Sri Paramakalyani College, Alwarkurichi, Tamilnadu, India.

Publications(International/Nationaljournals) :

- ❖ [M. AnandhaJothi](#), D. Vanitha, N. Nallamuthu, A. Manikandan, S. AsathBahadur, Investigations of lithium ion conducting polymer blend electrolytes using biodegradable cornstarch and PVP, *Physica B: Physics of Condensed Matter* 580 (2020) 411940. <https://doi.org/10.1016/j.physb.2019.411940>
- ❖ [M. AnandhaJothi](#), D. Vanitha, N. Nallamuthu, S. AsathBahadur, Proton conducting polymer electrolyte based on cornstarch, PVP, and NH₄Br for energy storage applications, *Ionics* 27 (2020) 225–237. <https://doi.org/10.1007/s11581-020-03792-2>
- ❖ [M. AnandhaJothi](#), D. Vanitha, N. Nallamuthu, S. AsathBahadur, Investigations of biodegradable polymer blend electrolytes based on Cornstarch: PVP: NH₄Cl and its potential application in solid-state batteries, *J Mater Sci: Mater Electron.* 32 (2021) 5427–5441. <https://doi.org/10.1007/s10854-021-05266-1>
- ❖ [M. AnandhaJothi](#), D. Vanitha, N. Nallamuthu, S. AsathBahadur, Promising Biodegradable Polymer Blend Electrolytes Based on Cornstarch:PVP for Electrochemical Cell Applications, *Bulletin of Materials Science* 44 (2021) Article number: 65. <https://doi.org/10.1007/s12034-021-02350-4>
- ❖ [M. AnandhaJothi](#), D. Vanitha, S. AsathBahadur, Dielectric Behaviour of PVA and Cornstarch Polymer Blend Electrolytes, *International Journal of Engineering and Advanced Technology*, 9(1S4) (2019) 314-318. ISSN No. 2249 – 8958. DOI: 10.35940/ijeat.A1172.1291S419
- ❖ [M. AnandhaJothi](#), D. Vanitha, S. AsathBahadur, Structural and Impedance Enquiry on Biodegradable Blend Polymer Electrolytes of Cornstarch and Polyvinyl Pyrrolidone, *International Journal of Recent Technology and Engineering*, 8(4S2) (2019) 887-890. ISSN No. 2277 – 3878. DOI:10.35940/ijrte.D1169.1284S219
- ❖ [M. AnandhaJothi](#), D. Vanitha, S. AsathBahadur, STRUCTURAL AND IMPEDANCE STUDIES ON POLYVINYL ALCOHOL AND CORNSTARCH BLEND POLYMER ELECTROLYTES, 5th National Conference on Technologically Important Crystalline and Amorphous Solids, (2019), ISSN No. 978-81-909237-4-3.

- ❖ V. Siva, A. Shameem, A. Murugan, [M. AnandhaJothi](#), M. Suresh, S. Athimoolam, S. AsathBahadur, Structural, mechanical, thermal, electro-optical studies on diprotonatedadipate salt of para-anisidine for intensity tunable optical limiting applications, J Mater Sci: Mater Electron. 31 (2020) 17921–17930. <https://doi.org/10.1007/s10854-020-04344-0>

Publications(National/InternationalConferences):Nil

BooksPublications :Nil

Research Area : Polymer Science