




Bharathiar University

State University | "A⁺⁺" Grade by NAAC | 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr S. N. KARTHICK Assistant Professor Department of Chemistry Bharathiar University Tamil Nadu E-mail: snkarthick@buc.edu.in Phone: 9994662441 Office Number: 0422-2428318	
Research Area <ul style="list-style-type: none">• Materials Electrochemistry• Energy Conversion & Storage• Sensors & Prototype Devices	Courses Teaching <ul style="list-style-type: none">• Quantum Chemistry• Molecular Spectroscopy• Chemical Kinetics• Thermodynamics• Instrumental methods of chemical analysis• Materials Electrochemistry• Photocatalysis and electrocatalysis• Electrochemical water splitting• Sensors• Energy Conversion & Storage Devices
Research Experience: 20	Teaching Experience: 9
Research Credentials (as on August 2025 – Source: Google scholar) H-index: 28 Citations: 2358 i10-index: 47	
Career Other Institutes 1. Designation : Post Doctoral Fellow Institution Name : Pusan National University, Busan, South Korea. Period : October 2014 - November 2016 2. Designation : Post Doctoral Fellow Institution Name : Pusan National University, Busan, South Korea. Period : March 2009 - February 2013 3. Designation : Post Doctoral Fellow Institution Name : Indian Institute of Science, Bangalore., Karnataka. Period : June 2013 - September 2014 4. Designation : Post Doctoral Fellow Institution Name : Central Electrochemical Research Institute (CECRI), Karaikudi, Tamil Nadu. Period : July 2008 - December 2008 5. Designation : Lecturer Institution Name : Sri Kalishwari College, Sivakasi, Tamil Nadu. Period : August 2004 - January 2005	
Education Ph. D. Subject : Chemistry Institution : Alagappa University, Karaikudi. Affiliated University : Alagappa University, Karaikudi. Year of Award : December 2008	



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State University I "A++" Grade by NAAC I 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr S. N. KARTHICK , Assistant Professor , Department of Chemistry

M. Phil.

Subject : Chemistry

Institution : Ayya Nadar Janaki Ammal College, Sivakasi.

Affiliated University : Madurai Kamaraj University, Madurai

Year of Award : June 2003

M. Sc.

Subject : Chemistry

Institution : Ayya Nadar Janaki Ammal College, Sivakasi.

Affiliated University : Madurai Kamaraj University, Madurai

Year of Award : April 2003

B. Sc.

Subject : Chemistry

Institution : Ayya Nadar Janaki Ammal College, Sivakasi.

Affiliated University : Madurai Kamaraj University, Madurai

Year of Award : April 2001

Projects

Research Guidance

International Level

Projects

Ongoing - completed - 1

National Level

Ongoing - 1 completed - 2

1. Development of new lead-free perovskite solar cell new scaffold material and low cost hole transport materials for high conversion efficiency.

Others 95 Lakhs (July 2015 - November 2016)
2. Development of stable and effective electrocatalytic for dye sensitized solar cell. Others 10 Lakhs (March 2018 - March 2020)

3. Synthesis and application of the anticancer compound. RUSA 2.0 - BCTRC 7.43 Lakhs (December 2020 - December 2016)

Ongoing - 1

1. Development of high specific energy supercapacitor in aid of multi-DST 29.99 Lakhs (October 2023 - October 2026)

metallic chalcogenides.