Bharathiar University

State University I "A++" Grade by NAAC I 46th 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

- Materials Electrochemistry
- Energy Conversion & Storage
- Sensors & Prototype Devices

Courses Teaching

- 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

Publications

Books/Chapters: 1 International Journals: 53

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

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

Ph. D.
Subject : Chemistry
Institution : Alagappa University, Karaikudi.
Affiliated University : Alagappa University, Karaikudi.
Year of Award : December 2008

M. Phil.
Subject : Chemistry
Institution : Ayya Nadar Janaki Ammal College, Sivakasi.
Affiliated University : Maduai Kamaraj University, Madurai
Year of Award : June 2003

M. Sc.
Subject : Chemistry
Institution : Ayya Nadar Janaki Ammal College, Sivakasi.
Affiliated University : Maduai Kamaraj University, Madurai
Year of Award : April 2003

B. Sc.
Subject : Chemistry
Institution : Ayya Nadar Janaki Ammal College, Sivakasi.
Affiliated University : Maduai Kamaraj University, Madurai
Year of Award : April 2001

Projects

International Level
Ongoing - completed - 1

National Level
Ongoing - 1 completed - 2

Research Guidance

Completed
PG - 24

Submitted
Ph.D. - 2

On Going
Ph.D. - 3

Institutional Responsibilities

Common Eligibility Test (CET-2020)
Period :Jul 2020 - Oct 2020
Nature of Responsibility :Deputy Coordinator

Common Eligibility Test (CET-2021)
Period :Jul 2021 - Sep 2021
Nature of Responsibility :Deputy Coordinator

Common Eligibility Test (CET-2023)
Period :Jun 2023 - Jun 2023
Nature of Responsibility :Centre Deputy Coordinator for CET 2023

IVth Cycle NAAC Accreditation 2023
Period :Jul 2022 - Mar 2023
Nature of Responsibility :Member for the preparation committee

CPP University Examination
Period :Jan 2018 - Feb 2018
Nature of Responsibility :University Representative for the conduct of CPP University Examination at Bangalore.

39th CONVOCATION
Period :Jul 2024 - Oct 2024
Nature of Responsibility :Committee Member

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

38th CONVOCATION

Period :May 2023 - Aug 2023

Nature of Responsibility :Committee Member

36th CONVOCATION

Period :Oct 2019 - Dec 2019

Nature of Responsibility :Committee Member

Programs organized

1. Interdisciplinary Research on Societal Applications: Challenges and Opportunities (IRSA - 2020) (2020-06-26 - 2020-06-27)

2. Optical and Electrical Modelling Software for Semiconductor Devices. (2020-12-15 - 2020-12-15)

Collaborations

1. Prof. S. Sampath,Department of Inorganic and Physical Chemistry,Indian Institute of Science (IISc),Bangalore - 560012, India. -)

2. Dr. K.V. Hemalatha,Assistant Professor & Head (i/c), Department of Chemistry, Coimbatore Institute of Technology (CIT), Coimbatore - 6410114, India. -)

3. Dr. M. Sathish, Senior Principal Scientist, Central Electrochemical Research Institute (CECRI), Karaikudi - 630003, India. -)

4. Prof. M. Musthafa,Department of Chemistry, Indian Institute of Science Education and Research (IISER), Pune - 411008, India. -)

5. Dr. Vijayakumar, Advanced Energy Materials R&D Division, Dongkwang Co., Ltd., Gyeonggi-do 14057, Replublic of Korea. -)

Visits

1. Indian Institute of Science (IISc), Bangalore – 560012. (2018-10-18 - 2018-10-20)

2. Central Electrochemical Research Institute (CECRI), Karaikudi – 630006. (2019-02-01 - 2019-02-02)

3. Indian Institute of Technology Madras (IITM), Chennai – 600 036. (2024-08-27 - 2024-08-27)

Publications

International Journals - 53

53. Development of Boron-Doped Nickel Zinc Oxide Electrodes for Efficient Energy Storage in Asymmetric Supercapacitors

Industrial & Engineering Chemistry Research 2025 64 (34), 16660-1667 (August 2025)

Kiruthika Paramasivam, Yogapriya Selvaraj, Manik Clinton Franklin, Sornalatha Manickam, Karthick Sivalingam Nallathambi, and Hemalatha Kuzhandaivel

52. Electrochemical Efficacy of a NixSy/WS2 Composite as an Efficient Electrode Material for a High Performance Hybrid Supercapacitor and Aqueous Zn-Ni Battery

Energy & Fuels 2025 39 (4), 2265-2280 (January 2025)

Manik Clinton Franklin, Yogapriya Selvaraj, Lekshmi Sunil, Sornalatha Manickam, Vijayakumar Elayappan, Haigun Lee, Hemalatha Kuzhandaivel, and Karthick Sivalingam Nallathambi

51. Impact of Nitrogen-Enriched 1T/2H-MoS2/CdS as an Electrode Material for Hybrid Supercapacitor,

ACS Applied Materials Interfaces, 16 (2024) 50587 (September 2024)

Manik Clinton Franklin, Sornalatha Manickam, Lekshmi Sunil, Akshaya Sisubalan, Vijayakumar Elayappan, Hemalatha Kuzhandaivel, Karthick Sivalingam Nallathambi

50. Invasion of Zinc in BiFeO3/Bi25FeO40 Perovskite-Structured Material as an Efficient Electrode for Symmetric Supercapacitor

ACS Journal of Physical Chemistry – C, 128 (2024) 5418-5428 (March 2024)

Yogapriya Selvaraj, Kiruthika Paramasivam, Manik Clinton Franklin, Karthick Sivalingam Nallathambi, Vijayakumar Elayappan, Hemalatha Kuzhandaivel

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

49. Polymer-assisted synthesis of Co3O4/CoO microballs decorated N-doped carbon for symmetric supercapacitor

Dalton Transactions, 52 (2023) 14621-14631 (September 2023)
Kiruthika Paramasivam, Sornalatha Manickam, Karthick Sivalingam Nallathambi, Hemalatha Kuzhandaivel

48. Nickel doped CuO/Cu/Cu2O nanocomposite as an efficient electrode for electrochemical non enzymatic glucose sensor and asymmetric supercapacitor

Journal of Applied Electrochemistry, 53 (2023) 1869 (April 2023)
Hemalatha K.V., Kiruthika P., Sornalatha M., Karthick Sivalingam Nallathambi

47. Enhanced cyclic stability of cobalt doped Bi25FeO40/BiFeO3 as an electrode material for a super long life symmetric supercapacitor device

ACS Energy and Fuels, 37 (2023) 8624 (April 2023)
Yogapriya S., Hemalatha K., Karthick Sivalingam Nallathambi, Vijayakumar E

46. One-pot synthesis of TEA functionalized and NiSe embedded rGO nanocomposites for supercapacitor application

Dalton Transactions, 51 (2022) 1542 (December 2021)
Sornalatha M., Hemalatha K.V., Yogapriya S., Manik Clinton F., Karthick S. N.

45. Low-temperature-synthesized Mn-doped Bi2Fe4O9 as an efficient electrode material for supercapacitor applications

New Journal of Chemistry, 45 (2021) 15223 (July 2021)
Hemalatha K.V., Yogapriya S., Manik Clinton F., Sornalatha M, Karthick S. N.

44. Performance of 2-Hydroxy-1-Naphthaldehyde-2-Amino Thiazole as a Highly Selective Turn-on Fluorescent Chemosensor for Al (III) Ions Detection and Biological Applications

Journal of Fluorescence, 31 (2021) 1041 (May 2021)
Hemalatha K.V., Summaya Banu B., Immanuel David C., Nandhakumar R., Usha S., Karthick S.N.

43. Sulfur and nitrogen-doped graphene quantum dots/PANI nanocomposites for supercapacitors

New Journal of Chemistry, 45 (2021) 4101 (January 2021)
Hemalatha K.V., Sornalatha M, Suresh Kannan B., Manik Clinton F., Hee-Je Kim, Karthick S.N.

42. Enhanced solar to electrical energy conversion of titania nanoparticles and nanotubes-based combined photoanodes for dye-sensitized solar cells

Materials Letters, 243 (2019) 180 (May 2019)
Anandha Raj J., Suresh Kannan B., Chanyong Lee, Hyunjoo Lee, Balamuralitharan B., Sornalatha M., Moonsuk Yi, Hee-Je Kim, Karthick S.N., Yongseok Jun, Hemalatha K.V

41. Facile synthesis of pristine FeS2 microflowers and hybrid rGO-FeS2 microsphere electrode materials for high performance symmetric capacitor

Journal of Industrial and Engineering Chemistry, 71 (2019) 191 (March 2019)
Balamuralitharan. B., Suresh. K. B., Karthick S.N., Ananthakumar. R., Manab Kundu, Jin Soo Bk, In Ho Cho, Prabakar. K., Yongseok Jun, Hee-Je Kim

40. Superficial One-pot Synthesis of Doped Graphene Oxide Electrode for High Power Density Supercapacitor

New Journal of Chemistry, 42 (2018) 11093 (May 2018)
Malarkodi. D., Saravanan. N., B. Balamuralitharan, S. Selvam, S.N. Karthick, K. Prabakar, Chang-Sik Ha, Hee-Je Kim

39. Hybrid Reduced Graphene Oxide/Manganese Diselenide Cubes: A New Electrode Material for Supercapacitors

Energy Technology, 5 (2017) 1953-1962 (April 2017)
B. Balamuralitharan, S. N. Karthick, Suresh K. Balasingam, K. V. Hemalatha, S, Selvam, J. Anandharaj, K. Prabakar, Yongseok Jun, Hee-Je Kim

38. Electrolyte imprinted graphene oxide-Chitosan chelate with copper crosslinked composite electrodes for intense cyclic stable flexible supercapacitors

Journal of Materials Chemistry A, 5 (2016) 1380 (December 2016)
S. Selvam, B. Balamuralitharan, S. Jegatheeswaran, Mi Young Kim, S.N. Karthick, Boomi Pandi, M. Sundrarajan, K. Prabakar, Hee-Je Kim

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

37. Drastic photocatalytic degradation of methylene blue dye by neodymium doped zirconium oxide as photocatalyst under visible light irradiation

Optik, 127 (2016) 10288 (November 2016)
C. Dhandapani, R. Narayanasamy, S.N. Karthick, K.V. Hemalatha, S. Selvam, P. Hemalatha, S. Dinesh Kirupha, Hee-Je Kim

36. Simultaneous electrochemical deposition of an e-rGO/?-CD/MnO2 ternary composite for a self-powered supercapacitor based caffeine sensor

Analytical Methods, 8 (2016) 7937 (October 2016)
S. Selvam, B. Balamuralitharan, S.N. Karthick, K.V. Hemalatha, Kandasamy Prabakar, Hee-Je Kim

35. Effect of CuBr2 salt treatment on the performance of nanocolloidal PPy: PSS multilayer thin film counter electrodes of dye?sensitized solar cells

Journal of Applied Polymer Science, 133 (2016) 43772 (April 2016)
S. Maruthamuthu, J. Chandrasekaran, D. Manoharan, S.N. Karthick, Hee?Je Kim

34. Performance of sol–gel synthesized nanocrystalline TiO2 in quantum dot sensitized solar cell with deposition of CdS/CdSe quantum dots by different techniques

Science of Advanced Materials, 8 (2016) 645 (March 2016)
S.N. Karthick, K.V. Hemalatha, Hee-Je Kim, Moonsuk Yi, C. Dhandapani, R. Narayanaswamy

33. CuBr2 - induced charge screening on photoactive nanocolloidal polypyrrole:poly(styrene sulfonate) composite multilayer thin-film counter electrodes for high-efficiency dye-sensitized solar cells

Polymer Internationals, 65 (2016) 584 (March 2016)
S. Maruthamuthu, J. Chandrasekaran, D. Manoharan, S.N. Karthick, Hee-Je Kim, B. Saravanakumar

32. Phase transition kinetics and surface binding states of methylammonium lead iodide Perovskite

Physical Chemistry Chemical Physics, 18 (2016) 7284 (February 2016)
G. Rajendra Kumar, A. Dennyson Savariraj, S.N. Karthick, S. Selvam, B. Balamuralitharan, Hee-Je Kim, K.K. Viswanathan, M. Vijaykumar, K. Prabakar

31. Multilayer photoactive nanocolloidal PPy:PSS as a novel substitute for Pt free counter electrode in DSSC

Journal of Applied Polymer Science, 133 (2015) 43114 (November 2015)
S. Maruthamuthu, J. Chandrasekaran, D. Manoharan, S.N. Karthick, Hee-Je Kim

30. Stacked Cu1.8S nanoplatelets as counter electrode for quantum dot-sensitized solar cell

RSC Advances, 5 (2015) 100560 (November 2015)
A. Dennyson Savariraj, G. Rajendrakumar, S. Selvam, S. N. Karthick, B. Balamuralitharan, Hee-Je Kim, K. Viswanathan, M. Vijayakumar, K. Prabakar

29. La-doped ZnO nanoflower as photocatalyst for methylene blue dye degradation under UV irradiation

Journal of Materials Science: Materials in Electronics, 27 (2015) 2367 (November 2015)
P. Hemalatha, S.N. Karthick, K.V. Hemalatha, Moonsuk Yi, Hee-Je Kim, M. Alagar

28. Prototype electrochromic device and dye sensitized solar cell using spray deposited undoped and 'Li'doped V2O5 thin film electrodes

Current Applied Physics, 15 (2015) 622 (September 2015)
M. Kovendhan, D. Paul Joseph, P. Manimuthu, A. Sendilkumar, S.N. Karthick, S. Sambasivam, K. Vijayarangamuthu, Hee Je Kim, Byung Chun Choi, K. Asokan, C. Venkateswaran, R. Mohan

27. Robust, metallic Pd17Se15 and Pd7Se4 phases from a single source precursor and their use as counter electrodes in dye sensitized solar cells

Journal of Materials Chemistry A, 3 (2015) 17144 (July 2015)
Suresh Kukunuri, S.N. Karthick, S. Sampath

26. Influence of PVP template on the formation of porous TiO2 nanofibers by electrospinning technique for dye-sensitized solar cell

Applied Physics A: Materials Science & Processing, 120 (2015) 1211 (July 2015)
E. Vijayakumar, P. Pratheep, N. Sivasankar, S.N. Karthick, A. Subramania

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

25. Novel high-temperature supercapacitor combined dye sensitized solar cell from a sulfated ?-cyclodextrin/PVP/MnCO3 composite

Journal of Materials Chemistry A, 3 (2015) 10225 (March 2015)
S. Selvam, B. Balamuralitharan, S.N. Karthick, A. Dennyson Savariraj, K.V. Hemalatha, Soo-Kyoung Kim, Hee-Je Kim

24. Improved photovoltaic performance of CdSe/CdS/PbS quantum dot sensitized ZnO nanorod array solar cell,

Journal of Power Sources, 248 (2014) 439 (November 2014)
C. Justin Raj, S.N. Karthick, S. Park, K.V. Hemalatha, S.K. Kim, K. Prabakar, Hee-Je Kim

23. 'Li'doping induced physicochemical property modifications of MoO3 thin films

Applied Surface Science, 284 (2013) 624 (December 2013)
M. Kovendhan, D. Paul Joseph, P. Manimuthu, S. Sambasivam, S.N. Karthick, K.Vijayarangamuthu, A. Sendilkumar, K. Asokan, Hee Je Kim, Byung Chun Choi, C. Venkateswaran, R. Mohan

22. Highly efficient ZnO porous nanostructure for CdS/CdSe quantum dot sensitized solar cell

Thin Solid Films, 548 (2013) 636 (December 2013)
C. Justin Raj, S.N. Karthick, K.V. Hemalatha, Hee-Je Kim, K. Prabakar

21. Synthesis of self-light-scattering wrinkle structured ZnO photoanode by sol–gel method for dye-sensitized solar cells

Applied Physics A – Materials science & processing, 116 (2013) 811 (November 2013)
C. Justin Raj, S.N. Karthick, K.V. Hemalatha, Soo-Kyoung Kim, Byung Chul Kim, Kook-Hyun Yu, Hee-Je Kim

20. Curcumin dye extracted from Curcuma longa. L, used as sensitizers for efficient dye sensitized solar cells

International Journal of Electrochemical Science, 8 (2013) 8320 (June 2013)
Hee-Je Kim, Kim Dong Jo, S.N. Karthick, K.V. Hemalatha, C. Justin Raj, Sunseong ok, Youngson choe

19. Natural dye extracted from Rhododendron species flowers as a photosensitizer in dye sensitized solar cell

International Journal of Electrochemical Science, 8 (2013) 6734 (May 2013)
Hee-Je Kim, Yeo-Tae Bin, S.N. Karthick, K.V. Hemalatha, C. Justin Raj, S.Venkatesan, Songyi Park, G. Vijayakumar

18. Structural and magnetic investigations on metastable Ag-Fe nanophase alloy

Journal of Alloys and Compounds, 557 (2013) 172 (April 2013)
Kalavathy Santhi, E. Thirumal, S.N. Karthick, Hee-Je Kim, V. Narayanan, A. Stephen

17. Synthesis of nano-bound microsphere Co3O4 by simple polymer-assisted sol-gel technique

Journal of Nanoparticle Research, 15 (2013) 1474 (February 2013)
S.N. Karthick, K.V. Hemalatha, C. Justin Raj, Hee Je Kim, Moonsuk Yi

16. Banyan root structured Mg doped ZnO photoanode for dye sensitized solar cells

Journal of Physical Chemistry – C, 117 (2013) 2600 (January 2013)
C. Justin Raj, K. Prabakar, S.N. Karthick, K.V. Hemalatha, Min-Kyu Son, Hee-Je Kim

15. Morphology and Electrochemical Properties of P(VdFHFP)/MgO-Based Composite Microporous Polymer Electrolytes for Li-Ion Polymer Batteries

Polymer-Plastics Technology and Engineering, 51 (2012) 1427 (October 2012)
G. Vijayakumar, S.N. Karthick, R. Paramasivam, C. Ilamaran

14. Performance of Kerria japonica and Rosa chinensis flower dyes as a sensitizer for dye sensitized solar cells

Spectrochemica Acta Part A: Molecular and Biomolecular Spectroscopy, 96 (2012) 305 (October 2012)
K.V. Hemalatha, S.N. Karthick, C. Justin Raj, Min-Kyu Son, Soo-Kyoung Kim, Hee-Je Kim

13. Electrochemical properties of TiO2 encapsulated ZnO nanorod aggregates dye sensitized solar cells

Journal of alloy and compounds, 537 (2012) 159 (October 2012)
C. Justin Raj, S. N. Karthick, A. Dennyson Savariraj, K. V. Hemalatha, Park Song-Ki, Hee-Je Kim, K. Prabakar

12. Preparation of TiO2 paste using poly (vinylpyrrolidone) for dye sensitized solar cells

Thin Solid Films, 520 (2012) 7018 (September 2012)
S.N. Karthick, K.V. Hemalatha, C. Justin Raj, A. Subramania, Hee Je Kim

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

11. Synthesis, structure stability and magnetic properties of nanocrystalline Ag-Ni alloy

Journal of Nanoparticle Research, 14 (2012) 868 (April 2012)
Kalavathy Santhi, E. Thirumal, S.N. Karthick, Hee-Je Kim, Marimuthu Nidhin, V. Narayanan, A. Stephen

10. Magnesium doped ZnO nanoparticles embedded ZnO nanorod hybrid electrodes for dye sensitized solar cells

Journal of Sol-Gel Science and Technology, 62 (2012) 453 (March 2012)
C. Justin Raj, S.N. Karthick, K.V. Hemalatha, Min-Kyu Son, Hee-Je Kim, K. Prabakar

9. Microstructure analysis of the ferromagnetic Ag–Ni system synthesized by pulsed electrodeposition

Applied Surface Science, 258 (2012) 3126 (January 2012)
Kalavathy Santhi, S.N. Karthick, Hee-Je Kim, Marimuthu Nidhin, V. Narayanand, A. Stephen

8. Formation of anatase TiO2 nanoparticles by simple polymer gel technique and their property

Powder Technology, 205 (2011) 36 (January 2011)
S.N. Karthick, K. Prabakar, A. Subramania, Ji-Tae Hong, Jin-Ju Jang, Hee-Je Kim

7. Titanium oxide prepared by polymer gel assisted combustion method for dye sensitized solar cell

Current Applied Physics, 11 (2011) S127 (January 2011)
S.N. Karthick, K.V. Hemalatha, Hyunwoong Seo, Daniel Ludeman, Jin-Kyoung Kim, K.Prabakar, Hee-Je Kim

6. A new class of P(VdF-HFP)-CeO2-LiClO4-based composite microporous membrane electrolytes for Li-ion batteries

International Journal of Electrochemistry, 2011 (2011) 926383 (January 2011)
G. Vijayakumar, S.N. Karthick, A.Subramania

5. Titanium dioxide paste preparation for dye sensitized solar cell using hydrothermal technique

Journal of Ceramic Processing Research, 13 (2010) s136 (October 2010)
S.N. Karthick, K.V. Hemalatha, C. Justin Raj, Hee-Je Kim, Moonsuk Yi

4. Preparation of nanocrystalline LiMn2O4 thin film cathode material in spray pyrolysis method for Li-microbatteries

Journal of alloy and compounds, 489 (2010) 674 (January 2010)
S.N. Karthick, S.Richard Prabhu Gnanakan, A.Subramania, Hee-Je Kim

3. Preparation and electrochemical behavior of LiMn2O4 thin film by spray pyrolysis method

Thin Solid Films, 513 (2008) 8295 (October 2008)
A.Subramania, S.N. Karthick, N.Angayarkanni

2. Effect of nanoscale CeO2 on PVDF-HFP-based nanocomposite porous polymer electrolytes for Li-ion batteries

Journal of Solid State Electrochemistry, 12 (2008) 1135 (September 2008)
A.Subramania, S.N. Karthick, N.Angayarkanni

1. Combustion synthesis of inverse spinel LiNiVO4 nano-particles using behavior as the fuel

Materials Letters, 60 (2006) 3023 (March 2006)
A. Subramania, N. Angayarkanni, S.N. Karthick, T.Vasudevan

Books/Chapters - 1

1. Chapter I - Dye-sensitized solar cells: History, components, configuration, and working principle

Interfacial engineering in functional materials for dye-sensitized solar cells, 2019, John Wiley & Sons Inc. Hardback ISBN 9781119557333 (November 2019)

S.N. Karthick, K.V. Hemalatha, Suresh Kannan Balasingam, F. Manik Clinton, S. Akshaya, Hee-Je Kim

Projects

Completed - 3

1. Development of new lead-free perovskite solar cell for high conversion efficiency. Others 95 Lakhs (July 2015 - November 2016)

2. Development of stable and effective electrocatalytic for dye sensitized solar cell. UGC-MRP 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)

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

Ongoing - 1

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