CURRICULUM-VITAE

Dr. NAGARAJAN SRINIVASAN
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RESEARCH KEYWORDS : Electrochemistry, Photoelectrochemistry, Solar Fuel Generation, Energy Conversion and Storage devices

EDUCATIONAL QUALIFICATIOS:

1997-2000 - Bachelor of Science (Chemistry)- Bharathidasan University, India.
2000-2002-Master of Science (Chemistry) - Bharathidasan University, India.
2002 – 2003 -Master of Philosophy (Inorganic Chemistry) - University of Madras, India.
2005 – 2009 -Doctor of Philosophy (Chemistry) - Anna University, India

ACHIEVEMENTS / AWARDS:

- **Japan Society for the Promotion of Science Bridge Fellowship** at Tokyo Institute of Technology, Japan
- **Ramalingaswami Re-entry Fellowship** by Department of Biotechnology, India
- **Japan Society for the Promotion of Science (JSPS)** at Tokyo Institute of Technology, Japan
- **World Class University Postdoctoral Fellow** at Hanyang University, South Korea.
- **Postdoctoral Fellowship by NIMS**, Japan for postdoctoral research, Japan.
- **CSIR Senior Research Fellowship** by Council of Scientific and Industrial Research, India.
- **ICMR- Senior Research Fellowship'** by Indian Council for Medical Research, India.

EMPLOYMENT DETAILS:

S.No	Period	Designation and Address	Nature of Job
1.	Nov 2016 –Present	***Assistant Professor*** Department of Chemistry Manonmaniam Sundaranar University Abishekapatti, Tirunelveli 627012, India	Teaching and Research
2.	Aug 2016 – Nov 2016	***Assistant Professor*** Department of Chemistry PSG College of Technology Peelamedu, Coimbatore 641004, India	Teaching and Research
3.	Dec 2014 - Jul 2016	***JST Act C Research Scientist*** Tokyo Institute of Technology, Department of Material Science and Chemical Technology, Tokyo, Japan.	Research and Teaching
4.	Nov 2012 - Nov 2014	***JSPS FELLOW*** Tokyo Institute of Technology, Department of Material Science and Chemical Technology, Tokyo, Japan.	Research
5.	Dec 2010 -Aug 2012	***World Class University Postdoctoral Researcher*** Department of Energy Engineering, Hanyang University, Seoul, South Korea	Research
6.	Apr 2009 -Nov 2010	***NIMS - Postdoctoral Researcher*** National Institute for Materials Science, Tsukuba, Japan	Research
7.	Apr 2007 - Mar 2009	***CSIR-Senior Research Fellow (SRF)*** Department of Chemistry Anna University, Chennai, India	Research
8.	Aug 2006- Mar 2007	***ICMR- Senior Research Fellow (SRF)*** Department of Chemistry Anna University, Chennai, India	Research

INVITED TALK / RESOURCE PERSON:

1. Resource person on "Hydrogen Energy conservation and Storage" in Lecture of National Seminar on Energy materials applications and conservation (2020), P.G. Research Department of Chemistry, Government Arts College, Kumbakonam, India

2. Resource person on "Anti-Corrosive coating in bio–Medical Application" in Foundation and Advance Courses 2020 on Materials Synthesis and Experimental techniques -Bulk to Nano Advanced nanomaterials for energy, environment and Health care Application (ANEH)

3. Resource Person on "A Art of Research Proposal Writing" in V.O.C College, Tuticorin (2019)

4. Invited talk on "Photocatalytic semiconductor for solar fuel generation" in 13th session of Jammu and Kashmir Science Congress, (2019) University of Kashmir, Srinagar. India

5. Invited talk on "Photocatalysis for solar fuel generation" in international conference of Advanced nanomaterials for energy, environment and Health care application (2018) K.S.R. college of arts and science for women, Tiruchengode, India

BOOK CHAPTERS

1. Nanoengineering at functional interfaces in electrocatalyst and field induced electrocatalyst, ISBN: 9780443216909, Elsiver.

2. Surface Modification by Electrospinning Technique on Mg Alloys for Biomedical Applications, Tylor and Francis Group, CRC Press, 1st Edition, (2022)

3. 2D Nanoscale Heterostructure Materials, Synthesis, Properties, and Applications, 1st Edition, (2020), ISBN: 9780128176795, Elsevier.

S.No	Published Journals
2024	
1.	**S**ubbiah, Mahalakshmi & Thiruvenkadam, Kavitha & Alotaibi, Nouf & Mohammad, Saikh & Venkatachalam, Sabarinathan & Sudhagar, Pitchaimuthu & **Nagarajan, Srinivasan.** Unveiling the synergistic effect of Co_3O_4/C_3N_5 architecture for the high performance symmetric hybrid supercapacitor. Journal of Energy Storage. 108. 115078, 2024
2.	Manoja Tharmaraj, Abinaya Radhakrishnan, Anuradha Ramani, **Nagarajan Srinivasan**, Investigation and In Vitro Studies of a ZrO_2/g-C_3N_4 Composite Coated on 316L Stainless Steel for Biomedical Applications", Materials and Corrosion, 2024.
3.	Protonated C_3N_4 Nanosheet for Enhanced Energy Storage in Symmetry Supercapacitors through Hydrochloric Acid Treatment Mahalakshmi Subbiah, Annalakshmi Mariappan, Anandhakumar Sundaramurthy,Venkatachalam Sabarinathan, Rajasekaran Thanjavur Renganathan, Nishakavya Saravanan, Sudhagar Pitchaimuthu**,** **Nagarajan Srinivasan,** *ACS Publications* (2024)
4.	Incorporating LLTO ceramic into PVDF/PEO polymer electrolyte for lithium-ion capacitor, Ramkumar Gurusamy, Agnes Lakshmanan, **Nagarajan Srinivasan**, Sabarinathan Venkatachalam, *Journal of Electroanalytical Chemistry***,** Volume 957, 15 March 2024, 118135.
2023	
1.	Tailoring hierarchical $BiVO_4$ sub-micron particles for enhanced cyclability in asymmetric supercapacitor, Mahalakshmi Subbiah, A Ansalin Gnana Sowndarya, Anandhakumar Sundaramurthy, Sabarinathan Venkatachalam, Nishakavya Saravanan, Sudhagar Pitchaimuthu, **Nagarajan Srinivasan**, *Journal of Energy Storage* 71, 108137, (2023).
2.	A synergistic self-cleaning and antibacterial studies of photocatalytic carbon nitride/polypyrrole coated cotton fabrics for smart textile application, Prathiba Meganathan, Lakshmi Manokari Selvaraj, Sounder Subbaiah, Venkatesh Subramanian, Sudhagar Pitchaimuthu, **Nagarajan Srinivasan**, *Cellulose*, 1-20, (2023).
3.	Boron nitride/polyaniline composite-based hybrid electrode for pseudocapacitor application, Sounder Subbaiah, Padma Santhiya Muthukrishnan, Ramkumar Gurusamy, Sabarinathan Venkatachalam,

	Thanjavur Renganathan Rajasekaran, **Nagarajan Srinivasan**, Journal of *Materials Science: Materials in Electronics* 34 (5), 397, (2023).
2022	
1.	PVDF/PEO/HNT-based hybrid polymer gel electrolyte (HPGE) membrane for energy applications, Ramkumar Gurusamy, Agnes Lakshmanan, Nagarajan Srinivasan, Anuradha Ramani, Rajasekaran Thanjavur Renganathan, Sabarinathan Venkatachalam, *Ionics* 28 (8), 3777-3786, (2022).
2.	Photocatalytic self-cleaning and antibacterial activity of cotton fabric coated with polyaniline/carbon nitride composite for smart textile application. Prathiba Meganathan, Sounder Subbaiah, Lakshmi Manokari Selvaraj, Venkatesh Subramanian, Sudhagar Pitchaimuthu, and **Nagarajan Srinivasan.** *Phosphorus, Sulfur, and Silicon and the Related Elements,* 197, 244, (2022).
3.	Structural, morphological and supercapacitor applications of SnS nanomaterials prepared in three different types of solvents, Mohd Arif Dar, Md Yasir Bhat, Nazir Ahmad Mala, Hilal Ahmad Rather, Sabarinathan Venkatachalam, **Nagarajan Srinivasan**, *Materials Today: Proceedings* 66, 1689-1698, (2022).
2021	
1.	A Nanoporous Mixed Oxide Coatings Over 316L SS for Orthopaedic Implant Applications, Mahalakshmi Subbiah, Padma Santhiya Muthu Krishnan, Sabarinathan Venkatachalam, **Nagarajan Srinivasan**, *Journal of Bio- and Tribo-Corrosion*, volume 7, 113 (2021).
2.	Poly Caprolactone/Titanium Dioxide Nanofiber Coating On Am50 Alloy for Biomedical Application, M. Karthega, M. Pranesh, C. Poongothai, and **Nagarajan Srinivasan**, **Journal of Magnesium and Alloys**, 2021. (In Press).
2020	
1.	Synergetic Surface Behavior of Sol–Gel ZrO2–Nb2O5 Coated 316L Stainless Steel for Biomedical Applications, Prathiba Meganathan, Lakshmi Manokari Selvaraj, Leema Sophie Peter, Sabarinathan Venkatachalam, **Nagarajan Srinivasan**, *Journal of Bio- and Tribo-Corrosion*, volume 6, 108 (2020).

2.	Electrocatalytic properties of two-dimensional transition metal dichalcogenides and their hetrostructures in energy applications, Anitha Devadoss, **Nagarajan Srinivasan**, VP Devarajan, A Nirmala Grace, Sudhagar Pitchaimuthu, *2D nanoscale heterostructured materials*, 215-241, (2020).
2018	
1.	Synthesising chain-like, interconnected Pt nanoparticles using a tubular halloysite claytemplate for an efficient counter electrode in desensitized solar cells, **Nagarajan Srinivasan,** Sudhagar Pitchaimuthu, Yong Soo Kang, *Sustainable Energy & Fuels* 2018,2, 361 – 366.
2017	
1.	Selective electro- or photo-reduction of carbon dioxide to formic acid using a Cu–Zn alloy catalyst Ge Yin, Hideki Abe, Rajesh Kodiyath, Shigenori Ueda, **Nagarajan Srinivasan**, Akira Yamaguchi, Masahiro Miyauchi, *J. Mater. Chem. A*, 2017, 5, 12113 – 12119.
2016	
1.	Balanced Excitation between Two Semiconductors in BulkHeterojunction Z-Scheme System for Overall Water Splitting, **Nagarajan Srinivasan**, EtsuoSakai, Masahiro Miyauchi. *ACS Catalysis*6 2197 - 2200.
2.	A metal sulfide photocatalyst composed of ubiquitous elements for solar hydrogen production Y. Shiga, N. Umezawa, **N. Srinivasan**, S. Koyasu, E. Sakai, M. Miyauchi *Chemical Communications*527470 - 7473.
2015	
1.	A PEDOT-Coated Quantum Dot as Efficient Visible Light Harvester for Photocatalytic Hydrogen Production **Nagarajan Srinivasan**, Yuhiro Shiga; Daiki Atarashi, Etsuo Sakai, Miyauchi, Masahiro *Applied Catalysis B: Environmental*179 113-121.
2.	Vertically aligned hexagonal WO_3nanotree electrode for photoelectrochemical water oxidation, YuyaNukui, **Nagarajan Srinivasan**, Shusaku Shoji, Daiki Atarashi, EtusoSakai, Masahiro Miyauchi. *Chemical Physics Letters 635 306 - 311*
3.	Ubiquitous Quantum Dot-sensitized Nanoporous Film for Hydrogen Production under Visible-light Irradiation, Masahiro Miyauchi, Yuhiro

	Shiga, **Nagarajan Srinivasan**, Daiki Atarashi, EtsuoSakai, *Materials Chemistry and Physics 160 383-388.*
4.	Kelvin probe imaging of photo-injected electrons in metal oxide nanosheet from metal sulfide quantum dots , Kondo, Akihiko, Yin, Ge; **Srinivasan, Nagarajan**, Daiki Atarashi, Etsuo Sakai, Masahiro Miyauchi, *Nano Scale* 7, 12510–12515.
5.	Photocatalytic Carbon Dioxide Reduction by Copper Oxide Nanocluster-Grafted Niobate Nanosheets Ge Yin, Masami Nishikawa, Yoshio Nosaka, **Nagarajan Srinivasan**, Daiki Atarashi, EtsuoSakai, and Masahiro Miyauchi, *ACS Nano* 9 2111-2119.
2014	
1.	Sodium functionalized graphene oxide coated titanium plates for improved corrosion resistance and cell viability Mohana Marimuthu, Murugan Veerapandian, Subramaniyan Ramasundaram, Seok Won Hong, P. Sudhagar, **Srinivasan Nagarajan**, V. Raman, Eisuke Ito, Sanghyo Kim, KyusikYunandYong Soo Kang, *Applied Surface Science* 293 124 -131.
2.	Electrochemical and Invitro Bioactivity of Polypyrrole/Ceramic Nanocomposite Coatings on 316L SS Bio-implants, A.Madhan Kumar, **S.Nagarajan**, Suresh Ramakrishna, P.Sudhagar, Yong Soo Kang, Hyongbum Kim, Zuhair M. Gasem and N. Rajendran, *Materials Science and Engineering C* 43 760-085.
2013	
1.	Nanostructured TiO2 microspheres for dye-sensitized solar cells employing a solid state polymer electrolyte Hun-Gi Jung, **Srinivasan Nagarajan**, Yong Soo Kang and Yang-Kook Sun, *Electrochimica Acta*, 89 848-853.
2.	PEDOT fibers coated exfoliated graphite sheets for flexible Substrate-free catalytic electrodes for solid-state dye, **S.Nagarajan**, P.Sudhagar, V. Raman, K.S. Dhathathreyan and Yong Soo Kang *Journal of Materials Chemistry A*1 1048 -1054.
3.	Efficient binary organic thiolate/disulfide redox mediators in dyesensitized solar cells based on a carbon black counter electrode

	WoohyungCho, DonghoonSong, Yong-Gun Lee, HwaseokChae, Young Rae Kim, Yong Bum Pyun, **S. Nagarajan**, P. Sudhagar and Yong Soo Kang, *Journal of Materials Chemistry A*, 1 233- 236.
2012	
1.	Nanocomposite coatings on biomedical grade stainless steel for improved corrosion resistance and biocompatibility, **Srinivasan Nagarajan**, M. Mohana, P. Sudhagar, V. Raman, T. Nishimura, S. Kim, Yong Soo Kang and N. Rajendran *ACS* Applied Materials and Interfaces, 45134 – 5141.
2.	Effect of Si nanoparticles on the corrosion protection performance of organic coating on carbon steel in chloride environment A.Madhan Kumar, **S. Nagarajan**, N. Rajendran and T. Nishimura, Metals and Materials International 18 965-973.
3.	EIS evaluation of protective performance and surface characterization of epoxy coating with aluminum nanoparticles after wet and dry corrosion test A. Madhan Kumar, **S. Nagarajan**, N. Rajendran and T. Nishimura, Journal of Solid State Electrochemistry162085 -2093.
4.	Fine control of titania deposition to prepare C@TiO_2 composites and TiO_2 hollow particles for photocatalysis and lithium-ion battery applications Jun Ming, Yingqiang Wu, **Srinivasan Nagarajan**, Dong-Ju, Lee , Yang-Kook Sun and FengyuZhao, *Journal of Materials Chemistry* 22 . 22135 – 22141.
5.	Synthesis of graphene-CoS electro-catalytic electrodes for dye sensitized solar cells, Santanu Das, P. Sudhagar, **S. Nagarajan**, Eisuke Ito, 6.1Sang Yun Lee, Yong Soo Kang and Wonbong Choi*Carbon*504815 - 4821.
6.	Successful demonstration of an efficient $I^-/(SeCN)_2$ redox mediator for dye-sensitized solar cells, Donghoon Song, Moon-Sung Kang, Yong-Gun Lee, Woohyung Cho, Jung Hyun Lee, Taewook Son, Kyoung Jun Lee, **S. Nagarajan**, P. Sudhagar, Jun-Ho Yum and Yong Soo Kang, *Physical Chemistry Chemical Physics*, 14469 -472.
7.	Effect of HNO_3 functionalization on large scale graphene for enhanced tri-iodide reduction in dye-sensitized solar cells, SantanuDas , P. Sudhagar , Eisuke Ito , Dong-yoon Lee , S. Nagarajan , Sang Yun

	Lee , Yong Soo Kang and WonbongChoi, *Journal of Materials Chemistry*, 2220490 - 20497.
2011	
1.	Low Temperature Synthesis and Structural, Electrical Property Studies on Gd-doped ZrO_2 Nanocorns G. Mohan Kumar, **S. Nagarajan**, Jin Kawakita and R. Jayavel, International Journal of Materials Sciences 6401- 411.
2.	Synergistic Catalytic Effect of a Composite (CoS/PEDOT:PSS) Counter Electrode on Triiodide Reduction in Dye-Sensitized Solar Cells P. Sudhagar, **S. Nagarajan**, Yong-Gun Lee, Donghoon Song, Taewook Son, Woohyung Cho, MiyoungHeo, Kyoungjun Lee, Jongok Won, and Yong Soo Kang, ACS Applied Materials and Interfaces31838–1843.
2010	
1.	Evaluation of passive film behavior of super austenitic stainless steels at different potential regions using dynamic electrochemical impedance spectroscopy, **S. Nagarajan**, V. Raman and N. Rajendran, *Journal of Solid State Electrochemistry*, 14 1197 – 1204.
2.	Electrochemical corrosion behavior of alloy 31 using dynamic electrochemical impedance spectroscopy, **S. Nagarajan** and N. Rajendran *Trans. Mater. Res. Soc. of Japan*, 35 631 – 634.
3.	Porous niobium oxide coated 316L SS for orthopedic applications, **S. Nagarajan**, V. Raman and N. Rajendran, *Material Chemistry and Physics* 119 363 – 366.
4.	In vitro studies of hydrogen peroxide treated titanium for biomedical applications M. Karthega, **S. Nagarajan** and N. Rajendran, *Electrochimica Acta* 55 2201 – 2209.
2009	
1.	Crevice corrosion behaviour of super austenitic stainless steels: Dynamic electrochemical impedance spectroscopy and atomic force microscopy studies, **S. Nagarajan** and N.Rajendran, *Corrosion Science* 51 217 – 224.
2.	Surface characterisation and electrochemical behaviour of porous titanium dioxide coated on 316L stainless steel for biomedical

	applications **S.Nagarajan** and N. Rajendran, *Applied Surface Science* 255 3927 – 3932.
3.	Sol-gel derived porous zirconium dioxide coated on 316L SS for orthopedic applications, **S.Nagarajan** and N. Rajendran, *Journal of Sol-gel Science and Technology* 52 188 – 196.
2007	
1.	Evaluation of localised corrosion behaviour of super austenitic stainless steels using dynamic electrochemical impedance spectroscopy **S. Nagarajan**, S.Tamilselvi and N.Rajendran, *Materials and Corrosion,* 58 33 - 38.
2.	Pitting corrosion studies of super austenitic stainless steels in natural sea water using dynamic electrochemical impedance spectroscopy, **S. Nagarajan**, M. Karthega and N. Rajendran, *Journal of Applied Electrochemistry* 37 195 - 201.
2006	
1.	Electrochemical impedance spectroscopic characterization of passive film formed over βTi-29Nb-13Ta-4.6Zr alloy, V. Raman, **S. Nagarajan,** and N. Rajendran *Electrochemistry Communications* 81309 - 1314.

CONFERENCE PROCEEDING AND ATTENDED

1. Presented an oral presentation in International Conference with a title "**Photocathodic Corrosion Protection of photovoltaic panels using TiO_2/CuO Heterostructure"** CORCON 2024 held on 20 – 23 November 2024 * Chennai, India.

2. Presented an oral presentation in International Conference with a title, **TiO_2/C_3N_4 Heterostructures for Sustainable Photocathodic Protection of AA2024 Alloy in Solar Energy Systems,** CORCON 2024 held on 20 – 23 November 2024 * Chennai, India.

3. Presented a poster presentation on "**Investigation of photocatalytic corrosion protection of 304SS by using CuO/TiO_2 heterostructure"** Third International Conference on Advanced Nanomaterials for Energy, Environment and Healthcare (ANEH-2024**)** held on August 21-23, 2024, GTN group of Institutions, Dindigul, Tamil Nadu, INDIA

4. Presented an oral presentation in International Conference on "Integrating Digital Advancements and Chemistry For Sustainable Future" with a title "**Investigation of Photocathodic Corrosion Protection of 304SS by Using CuO/TiO_2 Heterostructure"** Organized by the Department of Chemistry held at Nazareth Margoschis College at Pillaiyanmanai during August 14th ,2024.

5. Presented an oral presentation in International Conference on "Integrating Digital Advancements and Chemistry For Sustainable Future" with a title "**Investigation of Photocathodic Corrosion Protection of 304SS by Using CuO/TiO_2 Heterostructure"** Organized by the Department of Chemistry held at Nazareth Margoschis College at Pillaiyanmanai during August 14th ,2024

6. Presented a poster presentation on "**Investigation of $ZrO_2/g\text{-}C_3N_4$ Coated 316LSS in Simulated Body Fluid Using Dynamic Electrochemical Impedance Spectroscopy"** Third International Conference on Advanced Nanomaterials for Energy, Environment and Healthcare (ANEH-2024**)** held on August 21-23, 2024, GTN group of Institutions, Dindigul, Tamil Nadu, INDIA

7. Presented an oral presentation in International Conference on "Electrochemical assessment of **$TiO_2/g\text{-}C_3N_5$** coated AZ31 Magnesium for Sustainable Orthopeadic implants in Stimulated body Fluid" with a title, Organized by the Department of Chemistry held at Nazareth Margoschis College at Pillaiyanmanai during August 14th ,2024.

8. Presented a poster presentation on **"Enhancing the Solar Frame Durability with TiO_2/C_3N_4 via Photoelectrochemical Cathodic Protection"** Twenty-Third National Convention of Electrochemists (NCE-23) organized by the Society of Advancement of Electrochemical Science and Technology in collaboration with CSIR-Central Electrochemical Research Institute, Karaikudi. held at SRM Institute of Science and Technology, Kattankulathur, Chennai, Tamil Nadu during January 4-5, 2024.

9. Presented an oral presentation on "**Evaluation of TiO_2/C_3N_5 coated 316LSS using Dynamic Electrochemical Impedance Spectroscopy"** at the 23rd National Convention of Electrochemists (NCE-23) on January 4th and 5th, 2024 organized by

the Society of Advancement of Electrochemical Science and Technology in collaboration with CSIR-Central Electrochemical Research Institute, Karaikudi.

10. Presented a poster presentation in the "G20 New Delhi Leadership Declaration An The Emerging World Order" with a title "**Reinforcing the durability of Solar Panel Frame Via Photocathodic Protection"** and won a second Prize Organized by the University Departments held at V.O.C Auditorium, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 627 012 during November 9th ,2023.

11. Presented a poster presentation in The G20 new Delhi leadership declaration and the emerging world order with a title "**Investigating the Environmental Impact of C_3N_5/TiO_2 Coated AZ31 Magnesium Alloy in Sodium Chloride Solution"** organized by Manonmaniam Sundaranar university, Tirunelveli, Tamil Nadu , India, held on 9th Nov-2023.

12. Presented a poster presentation in the "National Symposium On Electrochemical Science and Technology (NSEST-2023)" with a title **"Enhancing the longevity of solar Panel Frame by unlocking the potential of C_3N_4/TiO_2 via photocathodic protection"** Organized by The Electrochemical Society of India and ARCI Hyderabad held at ARCI, Hyderabad, during 17th – 18nd August 2023**"**

13. Presented an oral presentation in the national symposium on electrochemical science and technology "NSEST-2023" and presented oral presentation entitled with **'Evaluation of 2 amino 1,3,4 thiadiazole as a corrosion inhibitor for mild steel in acidic environment to strengthen oil filed pipelines'** organized by Electrochemical society of India and International advance research center for powder metallurgy and new materials, Hyderabad, India, held during September 17&18 August 2023.

14. Participant in the three-day workshop **"On Application Training with Single Crystal X-Ray Diffractometer"** Organized by Sir C. V. Raman Centre for Central Instrumentation held at Sundaranar hall, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 627 012 during October 12th- 14th, 2022.

15. Participant in the **"5th Hydrogen workshop On Hydrogen: Shades and application"** Organized by Department of Science and Technology CFCT-ARCI held at IITM Research Park, Chennai during October 7thand 8th, 2022.

16. Presented a poster in the "International Conference & Expo on Corrosion (CORCON- 2022)" with a title **"Photocathodic Electrochemical Analysis of**

C_3N_4/TiO_2 composite coated 316LSS Stainless Steel" Organized by NACE India Section Conference held at The Ananta Udaipur, during 19th – 22nd September 2022"

17. Presented a poster in the "CORCON-2022" with a poster titled **'Electrochemical investigation of C_3N_5/TiO_2 coated on AZ31 magnesium alloy in sodium chloride solution'** organized by FIPI & NACE International India Section, Udaipur, Rajasthan, India on 19th to 22nd September 2022.

18. Participant in the **"National Conference On Advanced Materials Chemistry at the Interfaces of Energy, Environment and Medicine – 2022 (AMCI 2022)"** Organized by Department of Chemistry held at Sundaranar hall, Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli – 627 012 during March 30thand 31th,2022.

19. Presented a paper on "**A Nano Structured Copper Oxide based High Performance Supercapacitor"** Nobel Laureate Seminar series and 11th India-Japan Science & Technology seminar Indian JSPS Alumni Association (IJAA) and Sree Chitra Tirunal Institute for Medical Science and Technology (DST-GoI), Kerala

20. Presented a paper on **"Evaluation of Boron Nitride/ Polyaniline composite electrodes for Pseudocapacitor application"** Nobel Laureate Seminar series and 11th India-Japan Science & Technology seminar Indian JSPS Alumni Association (IJAA) and Sree Chitra Tirunal Institute for Medical Science and Technology (DST-GoI), Kerala

21. Presented a paper on **"Fabrication of lengthened TiO_2 nanotubes by single step anodization"**Nobel Laureate Seminar series and 11th India-Japan Science & Technology seminar Indian JSPS Alumni Association (IJAA) and Sree Chitra Tirunal Institute for Medical Science and Technology (DST-GoI), Kerala

22. Presented a paper **on "Synthesis and fabrication of $BiVO_4$ / polymer composite for photocatalytic degradation of dyes"** in second international conference on advanced materials chemistry at the interfaces of energy, environment and medicine (AMCI - 2020) held on 30 and 31st January 2020.

23. Presented a poster on **"Synthesis and characterization of α-Fe_2O_3 / polymer composite photocatalyst for textile dye degradation"** in second international conference on advanced materials chemistry at the interfaces of energy, environment and medicine (AMCI - 2020) held on 30 and 31st January 2020.

24. Presented a paper on **"A Nano Porous Mixed Oxide Coatings Over 316LSS For Orthopedic Implant Applications"** in India – UK joint international conference on "Advanced Nanomaterials For Energy, Environment And Healthcare Applications" held on 31st August & 1st September 2018.

25. Presented a paper on **"Polymer Nano Composite for Energy Conversion and Energy Storage Applications"** in international conference on "advanced materials chemistry at the interfaces of energy, environment and medicine" held on 30 and 31st January 2019.

26. Presented a paper on **"Polymer Nano Composite for Energy Conversion and Energy Storage Applications"** in India – UK joint international conference on "Advanced Nanomaterials For Energy, Environment And Healthcare Applications" held on 4th to 6th February 2019

27. G Yin, **N Srinivasan**, H Abe, E Sakai, M Miyauchi, **The Development and Evaluation of a Cu-Zn Bimetallic Catalyst for Carbon Dioxide Reduction**. Electrochemical Society of Japan Conference, Osaka, Japan. 29th – 31st March 2016.

28. G Yin, **N Srinivasan**, H Abe, E Sakai, M Miyauchi, **CO_2 Reduction Promoted by Cu-Zn Bimetallic Co-catalyst,** Photocatalysis Conference, 4th December 2015 at Tokyo University, Noda, Japan.

29. **S. Nagarajan**, D. Atarashi, E. Sakai and M Miyauchi, **PEDOT protected metal chalcogenides for hydrogen production under visible light irradiation**, Photocatalysis Conference, 12th December 2014 at University of Tokyo, Japan.

30. **S. Nagarajan**, D. Atarashi, E. Sakai and M Miyauchi **"Photocatalytic $CaFe_2O_4$/$BiVO_4$hetrojunction electrode for overall water splitting under visible light irradiation"** The 15thIUMRS-International Conference in Asia (IUMRS-ICA 2014) 24th - 30th August, 2014 at Fukuoka University, Fukuoka, Japan.

31. **S. Nagarajan**, D. Atarashi, E. Sakai and M Miyauchi **"PEDOT Protected Quantum dots: A Newly Designed Artificial Leaf for Visible Light Driven Hydrogen Production"** 20thInternational conference on Conversion and Storage of Solar Energy (IPS20) July 27 –August 1 at Maritime Hotel, Berlin , Germany, 2014.

32. **S. Nagarajan**, D. Atarashi, E. Sakai and M Miyauchi **Stable quantum dots/PEDOT hypridartificial leaf for hydrogen production under visible light"** Electrochemical Society of Japan Conference, Osaka, Japan. 29th – 31st March 2014.

33. **S. Nagarajan**, P. Sudagar and Yong Soo Kang **"Composite (CoS/PEDOT: PSS) counterelectrode on triiodide reduction in dye sensitized solar cells"** Global Photovoltaic Conference(GPVC 2011), Busan, Korea. 29th – 30th September 2011.

34. **S. Nagarajan** and N. Rajendran. **"Evaluation of corrosion behaviour of super austeniticstainless steels in simulated hydrogen sulphide medium"** International conference on Modern Trends of Materials Technology (ICMTMT 2009), Hotel Green Park, Chennai. 19th – 20thJanuary 2009.

35. **S. Nagarajan** and N. Rajendran. **'Electrochemical corrosion behavior of alloy 31 using dynamic electrochemical impedance spectroscopy'** The IUMRS International Conference in Asia (IUMRS-ICA 2008), Nagoya, Japan. 9th – 13th December 2008

36. **S. Nagarajan** and N. Rajendran. **"Pitting corrosion studies of super austenitic stainless steels using dynamic electrochemical impedance spectroscopy"** Fourteenth National Congress on Corrosion Control (NCCI 2008), Hotel Green Park, Hyderabad. 18th -20th September 2008.

37. **S. Nagarajan**, N. Rajendran and T. Nishimura, **"Crevice corrosion behaviour of superaustenitic stainless steels using dynamic electrochemical impedance spectroscopy**, International symposium on advanced stainless steel (ISAS 2007), Chennai Trade Centre, Chennai, 11th – 13th April 2007.

38. **S. Nagarajan**, S. Tamilselvi and N. Rajendran **Electrochemical pitting behaviour of superaustenitic stainless steels in sulphide containing chloride environment** International conference on Corrosion (CORCON 2005), Chennai Trade Centre, Chennai, 28th -30thNovember 2005.

39. **S. Nagarajan**, S. Tamilselvi and N. Rajendran, "**Investigation of pitting corrosion forstainless steel using dynamic electrochemical impedance spectroscopy"** National conference on Electrochemical Science and Technology,(NSEST),IISC, Bangalore, July 22-23, 2005.

40. Participated in **"The 3rd Summer School in Dye Sensitized Solar Cells"** on August 2011sponsored by the Korean Society of Industrial and Engineering Chemistry, Seoul, South Korea.

41. Participated in **"Indo-us workshop on ceramics for medical applications**" on December 2007sponsored by Indo – US science and Technology Forum. Chennai, Tamil Nadu, India.

42. Participated in "**National workshop on advance techniques in corrosion studies**" on January 2005 sponsored by Central electrochemical Institute Karaikudi, Tamil Nadu, India.