

Curriculum Vitae

Dr. Periyathambi Dhaiveegan

2/82 Kattunemili Village

Ulundurpet Taluk

Mangalampet Post

Kallakurichi District

India 606104

Research Interests

- Synthesis and characterization of metal and metal oxide nanoparticles

Mobile No: +886-908811722

Email: periyathambi@tripod-nano.com

Academic Profile

July 2011 – December 2015

Doctor of Philosophy (Ph.D)

Electrochemistry & Corrosion

Department of Chemistry

College of Engineering Guindy Campus

Anna University, Chennai, India

June 2008 – May 2010

Master of Science (M.Sc.)

Chemistry

Department of Chemistry

Madurai Kamaraj University

Madurai, India

June 2005 – March 2008

Bachelor of Science (B.Sc.)

Chemistry

Department of Chemistry

RKM Vivekananda College (Autonomous)

University of Madras, Chennai

Professional/Research Experience

August 2010 – March 2011	Research Officer Sanmar Speciality Chemicals Limited, Procitius Research Centre, Tichel Bio Park Ltd, Taramani, Chennai-600113, India
April 2011 – March 2014	UGC Project Fellow Principal Investigator : Dr. N. Rajendran Department of Chemistry, Anna University, Chennai, Tamilnadu, India
June 2014 – May 2015	Research Associate Principal Investigator : Prof. Kwang Seon Shin Magnesium Technology Innovation Centre, Seoul National University (SNU) , Seoul, South Korea
July 2011 – December 2015	Ph.D Thesis: Evaluation of Atmospheric Corrosion Products Formed on Low and High Alloy Steels in Severe Environment Supervisor: Prof. N. Rajendran Department of Chemistry College of Engineering Guindy Campus Anna University , Chennai, India Research Focus:
October 2016-June 2017	Post Doctoral Fellow Research Mentor: Prof. S. Ramanathan Department of Chemical Engineering Indian Institute of Technology Madras Chennai, India
June 2017-April 2019	Post Doctoral Fellow Research Mentor: Prof. Jeng Yu Lin Department of Chemical Engineering Tatung University, Taipei, Taiwan
July 2019-Present	Senior Specialist Technical Department Tripod Nano Technology Corporation, Taoyuan, Taiwan

List of Publications

1. **P. Dhaiveegan**, H.T. Peng, M. Michalska, Y. Xiao, J.Y. Lin, C.K. Hsieh, Investigation of carbon coating approach on electrochemical performance of $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ composite anodes for high-rate lithium-ion batteries, **Journal of Solid State Electrochemistry**, 2018 (22) 1851–1861.
2. Yin-Ying Chen, **P. Dhaiveegan**, Monika Michalska, and Jeng-Yu Lin, Morphology-controlled synthesis of nanosphere-like NiCo_2S_4 as cathode materials for high-rate asymmetric supercapacitors, **Electrochimica Acta** 274 (2018) 208-216.
3. **P. Dhaiveegan**, Yu-Kai Hsu, Yi-Hung Tsai, Chien-Kuo Hsieh, and Jeng-Yu Lin, Pulse-reversal deposition of Ni_3S_2 thin films on carbon fiber cloths for supercapacitors, **Surface and Coatings Technology**, 350 (2018) 1003-1009.
4. H. Perumalsamy, K. Sankarapandian, N. Kandaswamy, S.R. Balusamy, **P. Dhaiveegan**, N. Raveendiran, Cellular effect of styrene substituted biscoumarin caused cellular poptosis and cell cycle arrest in human breast cancer cells, **The International Journal of Biochemistry & Cell Biology**, 92 (2017) 104-114.
5. **P. Dhaiveegan**, N. Elangovan, T. Nishimura, and N. Rajendran, Weathering Steel in Industrial-Marine-Urban Environment: Field Study, **Materials Transactions**, 2016 (57) 148-155.
6. **P. Dhaiveegan**, M. Manivannan, and N. Rajendran, Fabrication of Ordered Porous Bioceramic Coating via Evaporation Induced Self Assembly on 316L Stainless Steel for Biomedical Applications, **Trends in Biomaterials and Artificial Organs**, 2016 (29) 327-338.
7. **P. Dhaiveegan**, N. Elangovan, T. Nishimura, and N. Rajendran, Corrosion behaviour of 316L and 304 stainless steels exposed to Industrial-Marine-Urban environment: Field Study, **RSC Advances**, 2016 (6) 47314-47324.
8. **P. Dhaiveegan**, N. Elangovan, T. Nishimura, and N. Rajendran, Electrochemical Characterization of Carbon and Weathering Steels Corrosion Products to Determine the Protective Ability Using Carbon Paste Electrode (CPE), **Electroanalysis** 2014, (26) 2419-2428.
9. K. S. Anuratha, **P. Dhaiveegan**, Yi-Hung Tsai, I-Ching Chen, Zdenek Sofer, Chien-Kuo Hsieh, and Jeng-Yu Lin, Graphitic nanofibers decorated with Ni_3S_2 nanosheets as efficient cathodes for high-performance hybrid supercapacitors (**Under review Electrochimica Acta**)
10. Y. Sasikumar, A. Madhan Kumar, R. Suresh Babu, **P. Dhaiveegan**, N. Al-Aqeeli, Ana L.F de Barros, Fabrication of brushite coating on AZ91D and AZ31 alloys by two-step chemical treatment and its surface protection in simulated body fluid, **Journal of Materials Engineering and Performance** (Under Revision)

Personal Details

Gender : Male
Date of Birth : 25.06. 1985
Nationality : Indian
Marital Status : Married
Languages : English, Tamil

Permanent Address

2/82, Kattunemili, Mangalampet Post
Ulundurpet Taluk, Villupuram District
Tamilnadu, India. 606104
Mobile: +91- 9710165277

Referees

Dr. N. Rajendran (Ph.D Supervisor)
Department of Chemistry
College of Engineering, Guindy Campus
Anna University, Chennai – 600 025
India
Lab: +91-44 2235 8659,
E-mail: nrajendran@annauniv.edu

Prof. S. Ramanathan (PDF Supervisor)
Professor
Department of Chemical Engineering
Indian Institute of Technology Madras
Chennai-600036, India.
Lab: +91-22574171
E-mail: srinivar@iitm.ac.in

Prof. Kwang Seon Shin (Ph.D Intern
Supervisor)
Magnesium Technology Innovation Centre
Seoul National University (SNU)
Seoul, South Korea
Lab : +82-2-880-7097,
E-mails: ksshin@snu.ac.kr

Prof. Jeng Yu Lin (PDF Supervisor)
Professor
Department of Chemical Engineering
Tatung University
Taipei, Taiwan
Lab: +886-22182-2928#6289
E-mail: jylin@ttu.edu.tw