

Sundararajan RAMAKRISHNAN

Project Scientist (Middle-Level),
Center for Fuel Cell Technology, International Advanced Research Center
for Powder Metallurgy and New Materials (ARCI),
IIT Madras Research Park, Taramani, Chennai 600042, TN, India.
E-mail:-, ramkrishnan@project.arci.res.in, ramki.iitm@gmail.com
Phone: +91-44-66632724 Mobile: +91-9884100143 Skype ID: ramki.iitm
Linked-In profile: <https://in.linkedin.com/pub/ramkrishnan-s/24/679/4aa>



SUMMARY OF QUALIFICATIONS

<i>Qualification</i>	<i>Institution</i>	<i>Affiliated University</i>	<i>Year</i>
M.S (by Research) in Metallurgical & Materials Engineering	Indian Institute of Technology Madras, Chennai, India	Indian Institute of Technology Madras, Chennai	2012
Master of Science in Materials Science & Technology	Pondicherry Engineering College, Pondicherry, India	Pondicherry University, Puducherry	2005
Bachelor of Science in Applied Sciences	PSG College of Technology, Coimbatore, India	Bharathiar University, Coimbatore	2003

EXPERIENCE

- PROJECT ASSISTANT-II, National Chemical Laboratory, Pune, February-July 2006.
- PROJECT OFFICER, Indian Institute of Technology Madras, July-August 2013.
- TEMPORARY FACULTY, Department of Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli, September 2013 – December 2016.

CURRENT WORK

- Currently working as **Project Scientist (Middle-Level)** in **Center for Fuel Cell Technology, International Advanced Research Center for Powder Metallurgy and New Materials (ARCI)**, Chennai Division from 23.12.2016 – Till date.
- Currently stationed in IIT Kanpur pursuing the coursework (January –June 2018) towards my Ph.D. in the department of Materials Science and Engineering under external registration.

M.S (by Research) Thesis

Functionalized MWCNT reinforced electro spun polymeric micro layer over GDL for PEM fuel cell

Thesis Supervisor: Prof. Prathap Haridoss, Department of Metallurgical and Materials Engineering, Indian Institute of Technology Madras, Chennai, India.

RESEARCH OUTCOME

INTERNATIONAL JOURNAL

1. “*Aligning carbon nanotubes, synthesized using the arc discharge technique, during and after synthesis*”, Joseph Berkman, **S Ramakrishnan**, Gaurav Jain, and Prathap Haridoss, **Carbon** 55 (2013) 185-195 [ISSN: 0008-6223].

CONFERENCE PROCEEDING

1. “*Purification of carbon nanotubes using liquid Bromine*”, **S Ramakrishnan**, Prathap Haridoss, *Proceedings of International Symposium for Research Scholars on Metallurgy, Materials Science and Engineering (ISRS 2010)* published by Department of Metallurgical & Materials Engineering, IIT Madras, Chennai 600036, India. [ISSN No: 0973-659x, 128-132].

INTERNATIONAL CONFERENCES

1. “*Influence of micro-porous layer on the hydrophobic nature of Gas Diffusion Layer in a PEM Fuel Cell*”, **S Ramakrishnan**, Prathap Haridoss, *International symposium & exhibition on Fuel Cell technologies, FUCETECH 2009*, Mumbai.
2. “*Influence of functionalization and surfactant addition on the morphology and dispersion of multiwalled carbon nanotubes in polymer matrices*”, **S Ramakrishnan**, Prathap Haridoss, *International conference on Nanoscience & Nanotechnology, ICANN 2009*, IIT Guwahati.
3. “*Purification of carbon nanotubes using liquid Bromine*”, **S Ramakrishnan**, Prathap Haridoss, *International symposium for research scholars on Metallurgy, Materials Science and Engineering, ISRS 2010*, IIT Madras, Chennai.
4. “*High yield formation of carbon nanotubes using arc discharge assisted with nitrogen jet*”, Joseph Berkman, **S Ramakrishnan**, Prathap Haridoss, *International symposium for research scholars on Metallurgy, Materials Science and Engineering, ISRS 2010*, IIT Madras, Chennai (The paper received “**Best Paper presentation**” in Oral session).
5. “*Horizontal alignment of multi-walled carbon nanotubes by mechanical forces on the surface of the arc discharge synthesized soot*”, Joseph Berkman, **S Ramakrishnan**, Prathap Haridoss, *International symposium for research scholars on Metallurgy, Materials Science and Engineering, ISRS 2012*, IIT Madras (The paper received “**Best Paper presentation**” in Oral session).
6. “*Corrosion behaviour of steels used in automobile*”, R.Elansezhian, **S Ramakrishnan**, *East Asia Pacific conference on corrosion CORCON-2005*, organized by NACE International India section, Chennai.

NATIONAL CONFERENCE

1. “*Horizontal alignment of multiwalled carbon nanotubes by mechanical forces on the surface the arc discharge synthesized soot*” Joseph Berkman A, **S Ramakrishnan**, and Prathap Haridoss, *National Metallurgists Day, NMD 2012*, Jamshedpur.

ACHIEVEMENTS

- ✓ Won “**CERTIFICATE OF MERIT**” in National Level Science Talent Search Exam (*NLSTSE*) 1999.
- ✓ **QUALIFIED** in **Graduate Admission Test in Engineering (GATE) 2005** in **ENGINEERING SCIENCES** stream securing **All India Rank 234**.
- ✓ **Recipient of Fellowship (2006-2009)** to pursue M.S in IIT Madras from Ministry of Human Resource Development, India.

WORKSHOPS/SHORT TERM COURSES

- ✓ Short term course on **CFD of Convective Heat and Mass transfer** at CFD Centre, IIT Madras, Chennai from 18th – 22nd September, 2006.
- ✓ An Indo-UK workshop on **Low carbon technologies for Decentralized power production** 17th-18th March, 2008 sponsored by British Council & Asian Pacific Centre for Energy and Environment.
- ✓ **TWISHA’09**, National Seminar on advanced polymers followed by workshop on **Fuel cell technology** organized by Department of Polymer Engineering, Mahatma Gandhi University College of Engineering, Kerala from 23rd-24th January 2009.
- ✓ **CMS’09, Computational Materials Science** workshop organized by the Department of Materials Engineering at Indian Institute of Science (IISc), Bangalore and the UGC Networking Resource Centre for Materials (NRC-M) from 6th-8th March 2009.
- ✓ One day workshop on **Atom Probe Tomography** organized by the Department of Metallurgical and Materials Engineering, IIT Madras, India, Combinatorial Sciences and Materials Informatics Collaboratory (CoSMIC), Iowa State University, USA and Defence Metallurgical Research Laboratory (DMRL), India on 9th January 2012.
- ✓ One day course on **Microscopic Techniques in Materials Characterization** organized by the Department of Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli, India on 10th October 2014.
- ✓ One day course on **Structural Characterization** organized by the Department of Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli, India on 14th October 2014.

INVITED LECTURES

- “**Fuel Cells**”, Engineering Materials and Manufacturing Processes (EMMP 2013), National Institute of Technology Tiruchirappalli, 18th December 2013.
- “**Wonder Materials of the 21st Century**”, Advanced Materials and Manufacturing Methods (A3M), National Institute of Technology Tiruchirappalli, 7th June 2016.

Date: 05.01.2018