

# Award Category – Mentoring (to be filled by Teachers)

Award Eligibility - For Teachers only

Duly completed form to be submitted by August 20, 2021.

Email \*

dr.prasanthr@gmail.com

Name of the teacher, age, institution name, course name \*

Prof. Prasanth Raghavan, 45 Years, Dept. of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin, B.Tech, M.Tech and PhD

2. Provide names of your 10 best mentees with their email id and mobile numbers? \*

1. Krishnan M A (now in USA, doing PhD) kma6075@psu.edu Tel: +-(814) 777-6275 2. Anas Karuth anas.kk@ndsu.edu Tel: +1-(701)-7308699 3. Deepesh G Krishnan dgopalakrishnan@paracleteenergy.com +1-3133584829 4. Jarin Joyner (now in USA, working in USA) jarin.joyner@gmail.com +-404-819 4900 5. Jishnu N S jishnuns1995@gmail.com Tel: 7907296102 6. George Varghese (doing PhD in Australia) vpjgeorge@gmail.com Tel: 9446345045 7. Vineeth S K (doing PhD in Australia) v.sasikumarkala@uqconnect.edu.au Tel: 9074016998 8. Sanjay Raveen (working in Asian Paints) sanjoos23@gmail.com Tel: 9447948098 9. Nikhil Medhavi (working in CEAT Tyrea) nikhilmedhavi565@gmail.com Tel: 7762004615 10. Ankitha Menon (CSIR-JRF, doing PhD) ankithamenon1996@gmail.com Tel: 753948104 11. Anna David (doing PhD) annadad20@gmail.com Tel: 9747513174 12. Sreelakshmi (DST, women Scientist B, doing PhD) sreelakshmikonkoth@gmail.com Tel: 9497804138 13. Jabeen Fatima (Research Scientist) jabeen.fatima.mj@gmail.com Tel: 9846306468 14. Gouri Krishna (studying in High school) gourikrishaa@gmail.com Tel: 9746479682

3. Pls categorize the mentees as per the below mentoring activities and upload documents in support of above. Professional Guidance / Career Advancement / Course Specific Work / Laboratory Specific / All – round Developments \*

 Prof. Prasanth C...

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Google Forms

**Prof. Prasanth Raghavan, Cochin University of science and Technology**

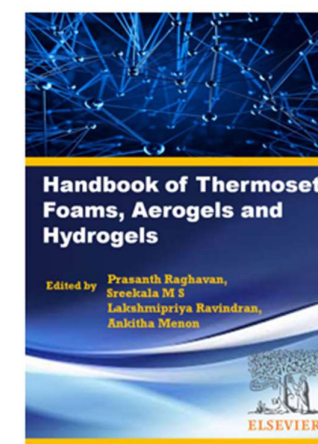
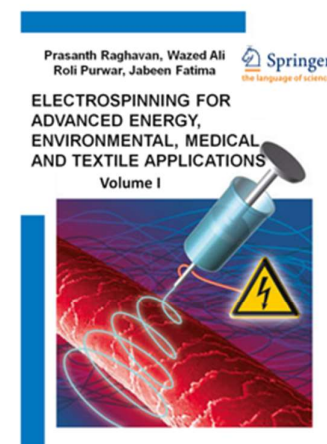
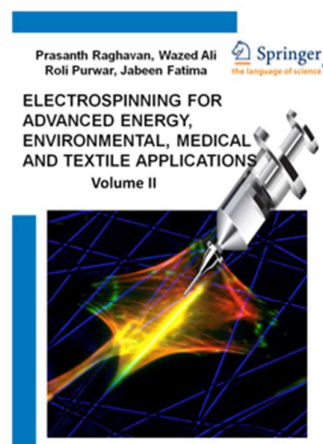
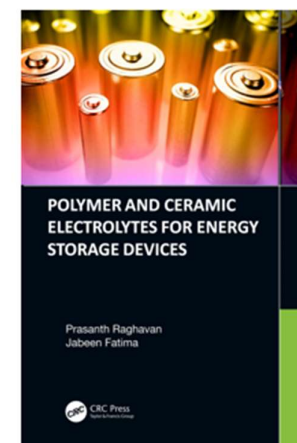
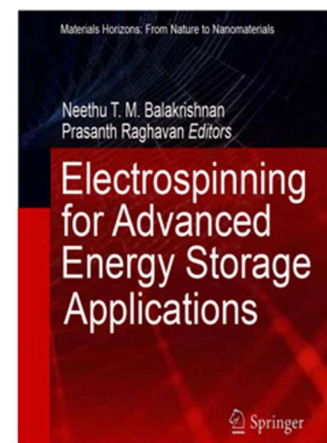
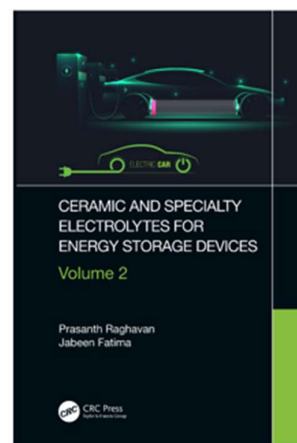
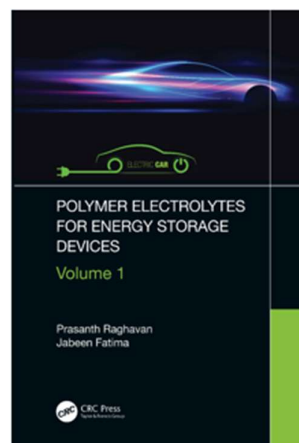
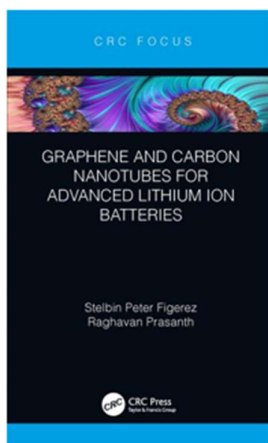
**All round developments I took for the following students**

The documents in support of above can check in the website [www.prasanth.net.in](http://www.prasanth.net.in)

(Particularly see the following out puts in the pages Publications, Achievements, an Book edited/written)

SI. No	Name of Mantee	Current location and status	Email Id	Telephone No
1.	Krishnan M A	USA, doing PhD	<a href="mailto:kma6075@psu.edu">kma6075@psu.edu</a>	+- (814) 777-6275
2.	Anas Karuth	USA, doing PhD	<a href="mailto:anas.kk@ndsu.edu">anas.kk@ndsu.edu</a>	+1-7017308699
3.	Dr. Deepesh G Krishnan	USA, working	<a href="mailto:dgopalakrishnan@paracliteenergy.com">dgopalakrishnan@paracliteenergy.com</a>	+1-3133584829
4.	Dr. Jarin Joyner	USA, working	<a href="mailto:jarin.joyner@gmail.com">jarin.joyner@gmail.com</a>	+404 819 4900
5.	Jishnu N S	Japan, doing PhD	<a href="mailto:jishnuns1995@gmail.com">jishnuns1995@gmail.com</a>	+91-7907296102
6.	George Varghese	Australia, doing PhD	<a href="mailto:vpjgeorge@gmail.com">vpjgeorge@gmail.com</a>	+91-9446345045
7.	Vineeth S K	Australia, doing PhD	<a href="mailto:v.sasikumarkala@uqconnect.edu.au">v.sasikumarkala@uqconnect.edu.au</a>	+91-9074016998
8.	Sanjay Raveen	Mumbai, working in Asian Paints	<a href="mailto:sanjoos23@gmail.com">sanjoos23@gmail.com</a>	+91-9447948098
9.	Nikhil Medhavi	Mumbai, working in CEAT Tyres	<a href="mailto:nikhilmedhavi565@gmail.com">nikhilmedhavi565@gmail.com</a>	+91-7762004615
10.	Ankitha Menon	CSIR-JRF, doing PhD	<a href="mailto:ankithamenon1996@gmail.com">ankithamenon1996@gmail.com</a>	+91-753948104
11.	Anna David	JRF, doing PhD	<a href="mailto:annadad20@gmail.com">annadad20@gmail.com</a>	+91-9747513174
12.	Sreelakshmi	DST, women Scientist B, doing PhD	<a href="mailto:sreelakshmikonkoth@gmail.com">sreelakshmikonkoth@gmail.com</a>	+91-9497804138
13.	Dr. Jabeen Fatima	Research Scientist, CUSAT	<a href="mailto:jabeen.fatima.mj@gmail.com">jabeen.fatima.mj@gmail.com</a>	+91-9846306468
14.	Gouri Krishna	Studying in High school	<a href="mailto:gourikrishaa@gmail.com">gourikrishaa@gmail.com</a>	+91- 9746479682

## Books Edited with Mentees: 2020-2021



Prof. (Dr.) Prasanth Raghavan, B.Sc, B.Tech, M.Tech, PhD, FRSC, FKECS  
*(Highly Cited Researcher: Web of Science 2020, AD Scientific Index 2021)*

Department of Polymer Science and Rubber Technology (PSRT)  
Cochin University of Science and Technology (CUSAT)  
Cochin-682022, India.  
Former RF-BK21, Research Faculty-NTU, ERI@N, Rice University and TUMCreate

Visiting Professor,  
Department of Materials Engineering and Convergence Technology,  
Gyeongsang National University (GNU),  
501 Jinju-daero, Jinju 52828, Republic of Korea.

Associate Faculty (NanoEngineering)  
Inter University Centre for Nanomaterials and Devices (IUCND)  
Cochin University of Science and Technology (CUSAT)  
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Editorial Board Member, Special Issue, Sustainability, International SCI Journal from MDPI, IF 3.0)  
Editor, Frontiers in Materials, Special Issue, International SCI Journal, IF 2.5)  
Editor, Journal of Materials Research (JMR), Special Issue, International SCI Journal from Springer IF 3.0)  
Editorial Board Member, Special Issue, Board: Curr. Opin. Green Sustain. Chem. (SCI, IF 5.1)  
Editorial Board Member, International Advisory Board: Springer Nature

### **Editor in Chief: Book series 2021**

Editor: Polymer Electrolytes for Advanced Energy Storage Devices, Tylor and Francis, USA  
Editor: Electrospinning for Advanced Lithium Ion Batteries, Springer Nature, UK  
Editor: Ceramic and speciality Electrolyte for Advanced Energy Storage Devices, Tylor and Francis, USA

Editor: Carbon Nanotubes and Graphene for Lithium Ion Batteries, Tylor and Francis, USA  
Editor: Electrospinning for Energy, Environment, Medical and Textile Applications, (Volume I) Springer, UK  
Editor: Electrospinning for Energy, Environment, Medical and Textile Applications, (Volume II) Springer, UK  
Editor: Thermoset Foams, Aerogels and Hydrogels, Elsevier, USA  
Editor: Oleophobic and Thermostable Elastomeric Composite, Elsevier, UK  
Editor: Polymer Nanocomposite for Biomedical Applications, Springer Nature, UK  
Editor: Alkali Metal-Sulphur Batteries, Wiley, UK  
Editor: Polymer and ceramic electrolyte Advanced Energy Storage Devices, Tylor and Francis, USA  
Editor: Carbon Based Polymer Nanocomposites, Springer Nature, Singapore  
Editor: Metal-Sulphur Batteries, Wiley, UK  
Editor: Advanced Technologies in Rechargeable Batteries, Tylor and Francis, USA  
Editor: Anti-corrosive Materials and Coating, Elsevier, USA

**Biography:** Prof. (Dr.) Prasanth Raghavan, Professor, at the Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology (CUSAT), Kerala, India, and Visiting Professor at the Department of Materials Engineering and Convergence Technology, Gyeongsang National University, Republic of Korea. Prof. Prasanth is also holding the Associate/Adjunct Faculty position at the Inter-University Centre for Nanomaterials and Devices (IUCND), CUSAT. He received his PhD in Engineering under the guidance of Prof. Jou-Hyeon Ahn, from the Department of Chemical and Biological Engineering, Gyeongsang National University, Republic of Korea, in 2009, supported by a prestigious Brain Korea (BK21) Fellowship. Prof. Prasanth completed his B. Tech and M. Tech from CUSAT. After a couple of years of attachment as Project Scientist at the Indian Institute of Technology (IIT-D), New Delhi, he moved to the Republic of Korea for his PhD studies in 2007. His PhD research was focused on fabrication and investigation of nanoscale fibrous electrolytes for high-performance energy storage devices. He completed his Engineering doctoral degree in less than three years, still a record in the Republic of Korea. After his PhD, Prof. Prasanth joined the Nanyang Technological University (NTU), Singapore, as a Research Scientist, in collaboration with the Energy Research Institute at NTU (ERI@N) and TUM CREATE, a joint electromobility research centre between Germany's Technische Universität München (TUM) and NTU, where he was working with Prof. (Dr.) Rachid Yazami, who has successfully introduced graphitic carbon as an anode for commercial lithium-ion batteries, and received the Draper Prize, along with the Nobel laureates, Prof. (Dr.) John B. Goodenough and Prof. (Dr.) Akira Yoshino. After four years in Singapore, Prof. Prasanth moved to Rice University, USA as a Research Scientist, where he worked with Prof. (Dr.) Pulickal M Ajayan, the co-inventor of carbon nanotubes, and was fortunate to work with 2019 Chemistry Nobel Prize laureate, Prof. (Dr.) John B. Goodenough. Prof. Prasanth was selected for a Brain Korea

Fellowship (2007), SAGE Research Foundation Fellowship, Brazil (2009), Estonian Science Foundation Fellowship, European Science Foundation Fellowship (2010), Faculty Recharge, University Grants Commission (UGC), Ministry of Higher Education, India (2015), etc. Prof. Prasanth has received many international awards, including Young Scientist award, Korean Electrochemical Society (2009), and was selected for the Bharat Vikas Yuva Ratna Award (2016), Research Excellence Award, Ministry of Higher Education, Govt. of Kerala (2020), Best Paper Award in Kerala Science Congress, Ministry of Higher Education, Govt. of Kerala and recently awarded with Education Excellence Award and Top 100 professors (2021) etc. He developed many products such as a high-performance breaking parachute, flex wheels for space shuttles, high-performance lithium-ion batteries for leading companies for portable electronic devices and electric automobiles etc. Prof. Prasanth has a general research interest in polymer synthesis and processing, nanomaterials, green/nanocomposites, and electrospinning. His current research focuses on nanoscale materials and polymer composites for printed and lightweight charge storage solutions, including high-temperature supercapacitors and batteries. Prof. Prasanth has published many research papers in high-impact factor journals, and several books/book chapters, and has more than 8000 citations and an h-index of 50 plus. He is listed as a highly cited researcher by the web of science in 2020 and A D Scientific Index in 2021 as the reorganization of his vibrancy in research. He sits on the editorial board of SCI journals as an Editor or Editorial Advisory Board member of SCI international journals including Journal of Materials Research, Sustainability and Frontiers of Materials etc. Prof. Prasanth is the book series editor for Springer Nature, Elsevier, Taylor and Francis, CRC Press, etc. and serving as International Editorial Advisory Board member for academic publishers like Springer Nature, Taylor and Francis etc. Apart from science and technology, Prof. Prasanth is a poet, activist and columnist in online portals and printed media.