


Faculty Profile

Name	:	Dr. B. SETHURAMAN					
Date of Birth	:	31.05.1976					
Highest Qualification	:	Ph.D.					
Date of Joining	:	01.07.2010					
Designation	:	PROFESSOR					
Date of promotion (Present Designation)	:	01.12.2021					
Area of Interest	:	NANOMATERIALS, ENERGY STORAGE DEVICES					
Mobile No	:	+919944959956	Email ID	:	sethuraman.b@trp.srmtrichy.edu.in		
Experience	:	Teaching :	18 Yrs.	Industry :	-	Research :	08 Yrs.
Address (for Communication)	:	28/16, EAST STREET, PAPANASAM, THANJAVUR					

Association with Professional Bodies

Name (Professional Body)	Indian Association for Crystal Growth (IACG)	International Association of Engineers (IAENG)		
Type of Membership	Life Time and 50/2023	Life Time and 191940		

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	3070047	University :	Anna University	No. of Scholars :	-
Publication*					
International Journals :	08	National Journals :	-		
International Conference :	04	National Conference :	02		
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount) :	-	Applied (Amount) :	51,00,000/-		
Patent					
Published :	-	Granted :	01		

Books

Published	01
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	14	Attended :	05	Attended :	05	Attended :	06	Attended :	-
Organized :	03	Organized :	-	Organized :	02	Organized :	03	Organized :	-

Online courses (NPTEL, MOOC etc.)	07 Courses
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*List of Publications :

International Journals

8. Purushothaman K K, Saravanakuma, B, Vijayakumar S, **Sethuraman B**, Shanmugam G, 2022, MWCNT attached Mesoporous Ag_3O_4 @NiO Nanocomposite for Hybrid Supercapacitor Applications, *Materials Technologies*, 37(14), pp. 3167–3173, (IF: 3.297) ISSN No.: 1753-5557.
7. Kannagi, K, Purushothaman, K, K, Suganya, P, & **Sethuraman, B**, 2020, ‘Synthesis and Characterization of 3D Flower like Co_3O_4 for Supercapacitor Application’, *AIP Conf. Proc*, Vol. 2270, pp. 110041- 110044. (IF: 0.4), ISSN No.: 0094-243X, 1551-7616.
6. **Sethuraman, B** & Purushothaman, KK, 2015, ‘Carbon Coated Flowery V_2O_5 Nanostructure as Novel Electrode Material for High Performance Supercapacitors’, *Electrochimica Acta*, vol. 186, pp. 285-291. (IF: 6.901), ISSN No.: 0013-4686.
5. **Sethuraman, B** & Purushothaman, KK, 2015, ‘Fabrication of Natural Polymer Assisted Mesoporous Co_3O_4 /Carbon Composites for Supercapacitors’, *Electrochimica Acta*, vol. 168, pp. 50-58. (IF: 6.901), ISSN No.: 0013-4686.
4. **Sethuraman, B**, Purushothaman, KK & Muralidharan, G 2014, ‘Synthesis of Mesh-like $\text{Fe}_2\text{O}_3/\text{C}$ Nanocomposite via Greener Route for High Performance Supercapacitors’, *RSC Advances*, vol. 4, no. 9, pp. 4631-4637. (IF: 4.036), ISSN No.: 2046-2069.
3. Purushothaman, KK , Saravanakumar, B, Manoharababu, I, **Sethuraman, B** & Muralidharan, G 2014, ‘Nanostructured CuO/Reduced graphene oxide composite for hybrid supercapacitors’, *RSC Advances*, vol. 4, no. 45, pp. 23485-23491. (IF: 4.036), ISSN No.: 2046-2069.
2. Purushothaman, KK, Manohara Babu, I, **Sethuraman, B** & Muralidharan, G 2013, ‘Nanosheet-Assembled NiO Microstructures for High-Performance Supercapacitors’, *ACS Applied Materials & Interfaces*, vol. 5, no. 21, pp. 10767-10773. (IF: 10.38), ISSN No.:1944-8244.
1. Purushothaman, KK, **Sethuraman, B**, Anupama, MP, Dhanashanar, M & Muralidharan, G 2013, ‘Optical,Structural and Electrochromic properties of cobalt oxide films prepared via sol-gel route’, *Materials science in Semiconductor Processing*, vol. 16, no. 6, pp. 1410-1415. (IF: 4.644), ISSN No.: 1369-8001.

Patent

1. Purushothaman, KK , **Sethuraman, B**, & Saravanakumar, B, Patent grant on 08/12/2023 ‘Zinc Oxide/Carbon Nanocomposite Process Of Preparation And Applications’ Patent filed number 202041039231 on 10.09.20, CBR No.: 30172.

Book Chapter

1. Purushothaman, KK, Saravanakumar, B, & **Sethuraman, B**, 2020, ‘Morphology Design Paradigms for Supercapacitors - Inorganic One-Dimensional Nanomaterials for Electrode Supercapacitor Applications’ CRC Press, Taylor & Francis Group, cha. 9, pp. 203-226.