


Name	B.Murugesan		
Designation & Department	Associate professor & Chemistry		
Qualification	M.Sc., M.Phil., Ph.D.		
Area of Specialization	Chemistry		
Date of Joining (KSRCE)	24.06.2024		
Experience (as on 01.06.2024)	Teaching: 13 years 4 months	Industry: 12 years 6 months	Others: 00
Number of Papers Published	National Journals : 00	International Journals : 07	
Number of Papers Presented	National Conferences : 01	International Conferences : 01	
Books Published	National Publisher : 01	International publisher : 00	
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Publications (International Journals) :

- **B. Murugesan**, A. Sivakumar, A. Loganathan and P.Sivakumar, Synthesis and photocatalytic studies of lanthanum oxide doped nano carbon hollow spheres, Journal of the Taiwan Institute of Chemical Engineers, 71, 2016, 364 - 372. doi:10.1016/j.jtice.2016.11.020.
- A. Sivakumar, **B. Murugesan**, A. Loganathan and P.Sivakumar, A review on decolourisation of dyes by photodegradation using various bismuth catalysts, Journal of the Taiwan Institute of Chemical Engineers, 45, 2014, 2300 - 2306. doi:10.1016/j.jtice.2014.07.003.
- A. Sivakumar, **B. Murugesan**, A. Loganathan and P.Sivakumar, Synthesis of ZnO nano wire and ZnO/CeO₂ solid solution nano wire by bio-morphing and its characterization, Journal of the Taiwan Institute of Chemical Engineers, 78, 2017, 462– 470. doi:10.1016/j.jtice.2017.05.030.
- A. Loganathan, A. Sivakumar, **B. Murugesan** and P.Sivakumar, Solar Light Active CeO₂/rGO Hybrid Photocatalyst For Direct Violet 51 Degradation, Rasayan J. Chem., 12(4), 2019, 1710-1724. doi.org/10.31788/RJC.2019.1245351.

- A. Loganathan, A. Sivakumar, **B. Murugesan** and P.Sivakumar, Green Synthesis and Applications of Nano CeO₂/rGO Solar Active Photocatalyst for the Degradation of Basic Auramine-O Dye, Asian Journal of Chemistry; 32(3), 2020, 528-538. doi.org/10.14233/ajchem.2020.22399.
- A. Loganathan, **B. Murugesan**, A. Sivakumar and P.Sivakumar, Acid red 88 dye degradation by green synthesized CeO₂/rGO Nanohybrid photocatalyst under solar light, Indian Journal of Environmental Protection, 40(5), 2020, 518 – 526.
- V. Kumaravelan, **B. Murugesan** and P.Sivakumar, Magnetic nano carbon balls - Synthesis and adsorption studies, Indian Journal of Chemical Technology, 29, 2022, 23 – 31.

Publications (National Journals): Nil

Publications (International Conferences):

- **B. Murugesan**, Synthesis and Photocatalytic studies of Lanthanum oxide doped Multi walled Nano Carbon Hollow Spheres (La@NCHS), DST - SERB Sponsored International Conference on Sustainable Materials for Energy Applications (ICSME - 2024) 21st – 22nd March – 2024, organized by Department of Chemistry, Erode Sengunthar Engineering College, Perundurai.

Publications (National Conferences):

- **B. Murugesan**, A. Sivakumar, A. Loganathan, P. Sivakumar, *Novel synthesis of various nano sized bismuth compounds and their impact on photocatalytic performances – A Review*, MoES Sponsored National conference on “Recent advances in Nanotechnology, Chemistry and Environmental Research (RANCER 2014)” held on 11th and 12th December 2014, organized by Department of Chemistry, Kongu Engineering College, Perundurai.

Patent:

- **A Process for treating contaminated water using magnetic nano particle based adsorbents for targeted adsorption of toxic metals**, 1) Dr. Gajanan Chandrakant Upadhye, 2) Dr. Archana Asatkar, 3) Dr. B. Srividhya, 4) **Dr. B. Murugesan**, 5) Dr. S. Dinesh, 6) Dr. Vinay Hiralal Singh, 7) Dr. Jatinder Singh, 8) Mrs. Nandita Abhijeet Samudre, 9) Dr. Gurumeet Wadhawa, 10) Dr. Sumanta Bhattacharya and 11) Dr.R.Rameshwari. Application No.202321051206 A, Publication Date : 22/09/2023.

Books /Instruction materials/monographs published

S.No.	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	The Economics of Green Energy: Balancing Environmental and Economics Goals	Dr.S.Agiladevi Dr.B.Murugesan Mr.R.Veerasingam Dr.M.Rajasekar	COSMAS Scientific Publications Chennai	2023

Funded Research Projects

S.No.	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	-	-	-	-

Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Date		Topic / Title	Funding agency and Amount Sanctioned
	From	To		
1.	-	-	-	-

Consultancy Activities (Industry)

S.No.	Title of the Project	Name of the Company
1.	-	-

Training Offered

NIL

Membership in Professional Bodies

- **Indian Society for Technical Education (ISTE) – Life Member**
- **International Society for Development & Sustainability – Associate Member**

Subject Links

NIL