DR. B. SUGANTHANA

PHOTO

Designation : Assistant Professor

Department : Chemistry

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Languages Proficiency

Read : Tamil & English

Write : Tamil & English

Speak : Tamil & English

1. QUALIFICATION

S. No.	Degree / Diploma / Certificate	Discipline	Name of the Institution	Year of Passing
1.	UG	Chemistry	Lady Doak College, Madurai	1998 - 2001
2.	PG	Chemistry	Madura College, Madurai	2001 - 2003
3.	M.Phil.	Chemistry	Bharathidasan University, Tiruchirappalli	2003 - 2005
4.	Ph.D.	Chemistry	Bharathidasan University, Tiruchirappalli	2005 - 2011
5.	Diploma	-	-	-
6.	Certificate	Basic Japanese 1(One Year Certificate Course)	Fatima College	2017

2. TEACHING EXPERIENCE / OTHER EXPERIENCE

S. No.	Institution / Organization	From - To
1.	Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur	07.07.2003 - 01.04.2008 (UG, PG& M.PHIL.,)
2.	Fatima College, Madurai	Self finance - 23.06. 2008 - 28.11.2008(UG&PG)
3.	K.L.N College of Engineering, Pottapalayam, Sivagangai.	01.06.2012 - 08.06.2013 (UG)
4.	Fatima College, Madurai	19.11.2014 - Till Date (UG&PG)

3. POSITION HELD IN FATIMA (VICE PRINCIPAL, HOD, DEAN, COORDINATOR, MEMBER ETC.)

S. No.	Name of the Position	From - To
1.	Chemisry Department Association Incharge	2014-2015, 2022 – 23, 2023-24

S. No.	Name of the Position	From - To
2.	Staff Incharge – Quality Circle	2015-2016, July 15th 2023 – 2024
3.	NSS- Programme Officer	2016- Till July 10th 2023
4.	RRC- Programme Officer	2017- Till July 10th 2023
5.	Human Rights Course Incharge	2017-18, 2018 – 2019
6.	NAAC Preparation – Department Criterion III Incharge	2017 – Till Date
7.	Principal Investigator for UGC - Sponsored Minor Research Project	2017-2019
8.	Extension Incharge	2018-19, 2019-2020, 2021-22
9.	Department ERP Attendance Incharge	2024-25
10.	Campus Placement Cell Incharge	2024 - 25, 2025- Till Date
11.	Department Placement Incharge	2024 - 25, 2025- Till Date
12.	(Member in) Research Cell & UGC- Project Propel Committee	2025-2026

4. Achievements

S. No.	Name of the Award	Award Received for	Sponsors / Source	Date
1.	Best Social Worker Award	NSS	Humanity Protection Organization, Madurai	2017
2.	Environmental Ambassador	Environment Awareness Through Mural Painting	Fatima College, Madurai	2018

5. Membership in Professional / Other Bodies / Committees

S. No.	Name of the Position	Name of the Body	Name of the Institution	Duration
1.	Doctoral Committee Member – University Nominee	-	Madura College (Autonomous)	2024 To till Date
2.	Resource Person for M.Sc., Chemistry – Contact Classes	-	The Directorate of Distance Education, Madurai Kamaraj University, Madurai	20.12.2015
3.	Invited Judge	-	M.K.R Ayya Nadar Jeyalakshmi Ammal English Medium School (ICSE)	01.08.2015
4.	Resource Person for M.Sc., Chemistry – Contact Classes	-	The Centre for Distance Education, Bharathidasan University, Trichy	12.12.2005
5.	Guest Speaker	-	Arul Anandar College (Autonomous), Karumathur, Madurai	28.10.2022
6.	Annual Member	Indian Council of Chemists	ICC - Mumbai	2005 -2006
7.	Life Member	Indian Science Congress Association	Isca-Kolkatta L26752	2015- Till Date

6. Areas of Specialization

- Adsorption Kinetics And Adsorption Equilibrium
- Environmental Chemistry

7. Research Guides/Guidance Details

Research Details

S. No.	Name of the University in which Recognized as Guide	Registration Number	Date of Guideship Received	Ph.D. Guideship Details			
				Ongoing		Completed	
				Full Time	Part Time	Full Time	Part Time
1.	MKU, Madurai	1777	7.11.2017				

M.Phil. Guidance Completed/Ongoing

S. No.	Student Name	Title of Dissertation	Organization	Year
1.	P. Karthikeyan, 178MCH01	As an Examiner – M.Phil., Chemistry viva- voce	PG & Research Department of Chemistry, Thiyagarajar college (autonomous), Madurai	2.11.2018
2.	S. Sruthi (2017R0291)	valued – M.Phil., Dissertation Entitled In vitro Radical Scavenging Activity, Antibacterial, Antidiabetic Potential of Natural Plant Extracts	Nirmala College for women (Autonomous), Coimbatore	18.1.19

8. Orientation/Refresher/Training Programmes/FDP Attended

S. No.	Programme	Theme	Organized by	Date
1.	Skill Development Workshop	Separation and Characterization Science: Application of Chromatography Techniques and Mass Spectrometry	Madurai Kamaraj University under the sponsored ship of MKU – RUSA	Nov. 28 - 30, 2022
2.	In -Service Teacher Training Programme	Physical Sciences	Tamil Nadu State Council for Higher Education, Chennai	May 05 & 06, 2022
3.	Refresher Course	Environment Awareness	UGC – HRDC, Himachal Pradesh University, Shimla	Feb. 07 - 19, 2022
4.	Two week -on- line MOOC Workshop	Management of Environment and its resources	Department of chemistry and research, Nesamony Memorial Christian college, marthandam and Department of chemistry and research, St. Xaviers college, Palayamkottai, Tirunelveli	Apr. 28 - May 11, 2020
5.	Orientation Programme	Teaching And Learning Skills	UGC – HRDC, Madurai Kamaraj	July 10 - 30,

S. No.	Programme	Theme	Organized by	Date
			University, Madurai	2019
6.	RRC Programme Officer Meeting	NYLP Award function	Madurai Kamaraj University, Madurai.	Feb. 09, 2018
7.	Faculty Development Programme	Alternative Teaching Methodology	IQAC, Fatima College, Madurai	Oct. 14, 2017
8.	Faculty Induction Programme	Orientation Programme	Fatima Resource Centre, Fatima College, Madurai	Nov. 04 - 11, 2016
9.	All – India Refresher Course	Advanced Topics in Chemistry	Department of Chemistry, Lady Doak College, Madurai, Sponsored By Indian Academy of Sciences, Bangalore.	Nov. 07 - 20, 2006
10.	One Day Training Programme	Internal Audit As Per ISO 9001: 2000	International Standards for Quality Managements System	Aug. 27, 2005

9. Paper Presented on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date	Title of the Paper
1.	International Conference on Frontiers in Chemical and Material Sciences ICFCMS-2020	Gandhigram Rural University, Gandhigram	Feb. 24 & 25, 2020	Adsorption of Heavy Metal Pollutant Cr (VI) using Naturally Available Waste Bio Material (Banana Flower Bracts) – A Kinetic Approach
2.	International Conference on “Bio-Physical Organic and Inorganic Chemistry”	Bharath University, Chennai	Aug. 26 - 30, 2007	A Kinetic Study on the Adsorption of Lead Ions on Activated Carbons.
3.	Silver Jubilee Conference of Icc	Mumbai University	Dec. 27 - 29, 2006	Adsorption Study on Chromium Ions.
4.	UGC State Level Seminar on “Emerging Trends In Chemistry”	Jamal Mohamed College, Trichy	Mar. 09, 2006	Environmental Pollution and Prevention
5.	International Conference on “Life through chemistry”	Ponnaiyah Ramajayam College, Tanjore.	Feb. 25 & -26, 2006	Adsorption of Chromium Ions on Cap

10. participated on National/International Seminars, Workshops, Conferences & Symposiums

S. No.	Programme & Theme	Organized by	Date
1.	International Education Conference on Challenges of Academicians in Present context	BrahmaKumaris, Shakti Sarovar Tapovan, Anjukulipatti	Oct. 07, 2023
2.	One Day Work Shop on “Women Transcending Gender Boundaries: The Malaysian Story”	Centre for women leader ship @Binary university of Management and Entrepreneurship, Malaysia.	Sep. 14, 2018
3.	National Seminar on “Emerging Trends in Chemistry”	Madurai Kamaraj University, Madurai	Feb. 18 - 20, 2016
4.	International Conference on “Nano Materials for Energy, Environment, Catalysis and Sensors (ICNEECS-15)”	Madurai Kamaraj University, Madurai	Dec. 11 - 12, 2015
5.	Work Shop on “E-Waste”	C.P.R Environmental Education Centre, Sponsored By Ministry of Environment, Forests And Climate Change.	Aug. 08, 2015
6.	Iste Workshop on “Introduction to Research	IIT, Mumbai	June 25 - July 04, 2012

S. No.	Programme & Theme	Organized by	Date
	Methodologies"		
7.	National Seminar on "Nano Structured Materials and Applications"	Madurai Kamaraj University, Madurai	Mar. 04 & 05, 2011
8.	National Conference on "Recent Trends in Chemistry"	P.G and Research Department of Chemistry, Bishop Heber College, Trichy	Oct. 12, 2007
9.	One Day Work Shop on "Intellectual Property Rights"	Research Advisory Committee, Fatima College, Madurai	DEC. 10, 2016

11. ARTICLES PUBLISHED IN JOURNALS/PROCEEDINGS/MAGAZINES/BOOKS

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
1.	J. Indian Chem. Soc.,	Adsorption of Chromium Ions on Commercially Available Ash Powder.	Aug-2006	83	8	792-795	0019 4522	Indian Chemical Society
2.	Der Chemica Sinica	Adsorption of Lead Ions on Teak Leaves Activated Carbons- Akinetic and Equilibrium Study	2010	1	2	35-43	0976-8505	Pelagia Research Library
3.	Bio Information	Insilico Pharmacokinetic and Molecular Docking Studies of Small Molecules Derived from Indigofera Aspalathoides Vahl Targeting Receptor Tyrosine Kinases	Feb-2015	11	2	73-84	0973-2063	Biomedical Informatics Publishing Group
4.	Current Bioinformatics	Indole Alkaloids as New Leads for Design and Developmemt of Novel Dpp-Iv Inhibitors for the Treatment of Diabetes	2017	13	2	Pg. No 157-169	1574 – 8936 2.068 If	Bentham Science
5.	Proceedings of International Conference on Frontiers in Chemical and Material Sciences ICFCMS-2020–Gandhi Gram Rural Universitry, Dindigul	Adsorption of Heavy Metal Pollutant Cr (VI) using Naturally Available Waste Bio Material (Banana Flower Bracts) – A Kinetic Approach	2020	-	-	23 - 26	-	Gandhi Gram Rural University
6.	Metabolic Brain Disease	Computational Exploration of Vicine – An Alkaloid Glycoside	2021	-	36	653-667	11011-021-00674	Springer US

S. No.	Journal/Proceeding/ Magazine/Book Name	Title of the Article	Month/ Year	Vol. No.	Issue No.	Page No.	ISSN	Publisher
		Mediated Pathological Hall Mark of Adenosine Kinase to Promote Neurological Disorder					3.665 – IF	

12. Major Assignments (Chief Guest / Keynote / Judge etc.)

S. No.	Major Assignment	Institution	Theme/Title	Date
1.	Guest Speaker	Fatima College (Autonomous) – NSS Unit Shift II	NSS Orientation	29.8.2024

13. Projects Undertaken

S. No.	Title of Project	Position	Sponsored By	Date & Year	Sanctioned Amount
1.	Equilibrium and Kinetic Approach on Removal of Some Heavy Metals Ions from Polluted Waters of Various Areas of Vaigai River in Madurai District- Tamil Nadu Using Various Adsorbents" – Sanctioned on October- 2016	Principal investigator	UGC-SERO, Hyderabad	Oct. 16, 2016	1,15,000

14. Foreign Countries Visited on Academic Assignments/Training/Invited Programme

- Attended Academic work shop on Women Transcending Gender Boundaries: "The Malaysian Story" organized by Centre for Women Leader Ship at Binary University, Malaysia on Sep. 14, 2018

15. Any other

- Appreciation letter received from NGO for the NSS activity (with the NSS students) of UNIT. NO.43(NSS-PO) in Organizing an eye camp in collaboration with Vasan eye care, Madurai on 19.11.19 at Thirumalnattham village
- Appreciation letter received from NGO for the Extension activity (with the extension students) of chemistry department on DENGUE awareness at Attchampatty village, Alanganallur taluk on 17.12.2019
- Appreciation letter received from NGO for the Extension activity (with the extension students) of chemistry department in sponsoring R.O water purifier to govt. ADW., HR. SEC. SCHOOL, at Attchampatty village, Alanganallur taluk on 17.2.2020