FACULTY PROFILE



Name : MS. S. Pooranalakshmi

Designation: Assistant Professor

Department : Chemistry

Date of Birth : 19.02.1991

Date of Appointment: 18.06.2014

Academic

Degree	University / Institution	Year of
		Completion
B.Sc.	Jayaraj Annapackiam College for Women (Autonomous),Periyakulam.	2011
B.Ed.	St. Christopher's College of Educaion, Veppery- Chennai.	2012
M.Sc.	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam	2014
M.Phil.	Madurai Kamaraj University Evening College- Periyakulam	2017
Ph.D.	Madurai Kamaraj University - Madurai	Pursuing

Total Experience: 07 years

UG: 07 Years PG: 07 Years M.Phil.: 04 Years

<u>Area of Specialization/Interest:</u> Nanotechnology & Environmental Studies

Professional Affiliation:

- ✓ 2014-15- Editorial Team Member in JAC News
- ✓ 2014-18- Member in Hope Club
- ✓ 2016-19- Member in Physical Education Committee 2018-20 Member in Discipline Committee
- ✓ 2019-20 Member in Extension Committee
- ✓ 2019-20 Member in Foundation Course Committee
- ✓ 2020-2021 Member in Eco club

Research Publications:

International Publications: 04

- S. Pooranalakshmi, S. Nazima Banu, Green Synthesis and Characterization of Silver (Ag) Nanoparticle Using Olive Leaf Extract, International Journal of Universal Pharmacy and Bio Sciences 5(1): January-February 2016 (ISSN): 2319-8141
- S. Pooranalakshmi*, G. Aruna, V. Priya, A. Sabura Banu, Green Synthesis and Characterization of Lead Oxide (PbO) Nanoparticle Using Phyllanthus Amarus (keelanelli) Extract and their Antimicrobial Activity, International Journal of Universal Pharmacy and Bio Sciences 6(1): January-February 2017 (ISSN): 2319-8141
- S. Nazima Banu, S. Pooranalakshmi*, M. Rajan**, Green way approach of PbO Nano Photocatalytic Degradation of an Organic Pollutant as Methylene Blue, International Journal of Universal Pharmacy and Biosciences,7(1), January – February 2018 (ISSN): 2314-8141
- C. Gowri Shankari, S. Pooranalakshmi*, Photo degradation of Methyl Orange & Rhodamine B Dyes Using Green Synthesized ZrO₂ Nanocatalyst, Journal of Emerging Technologies and Innovative Research, ISSN UGC Approved (Journal No. 63975), Volume 7, Issue 2, February – 2020

National Publications: 02

- S. Pooranalakshmi, M. Kalanithi, Comparison of Photo Catalytic Degradation of Methylene blue Using Nano-Sized CdO and PbO Catalysts, Journal of Science, Humanities and Management vol.1 No15 (June 2015) ISSN 2347-9868
- T. Monisha Mole, S. Pooranalakshmi, Photocatalytic Degradation of Methylene Blue using Green Synthesizes PbO Nanoparticle, Journal of Science, Humanities and Management vol.5 No 2 (December 2018)

Seminars/ Conferences/ Workshops Participated:

Photo Degradation of Methylene Blue by using Nano sized PbO and CdO Catalyst" Sponsored National Seminar on Emerging Trends in Chemistry (ETC-05	Year	Title of the Paper	Seminar	Place &Date
National Seminar on Emerging Trends in Chemistry (ETC-08 UGC Sponsored National Sulphate (Alum) from Waste Aluminium Can	2014-15	<u> </u>	DST & UGC	CPA College, Bodi.
Catalyst" Seminar on Emerging Trends in Chemistry (ETC-05 CTC-05 CT			Sponsored National	
2014-15 Synthesis and Analysis of Potassium Aluminium Sulphate (Alum) from Waste Aluminium Can			Seminar on Emerging	September, 2014
Synthesis and Analysis of Potassium Aluminium Can Seminar on Recent Trends in Chemistry (RTC-7) Seminar on Recent Trends in Chemistry (RTC-7) Seminar on Research Pebruary 2016			Trends in Chemistry	
Potassium Aluminium Sulphate (Alum) from Waste Aluminium Can 2015-16 2015-16 2015-16 2015-16 2016-17 2016-17 2016-17 2016-17 2016-17 2016-17 2016-18 2016-18 2016-18 2016-19 2016-19 2016-17 2016-17 2016-18 2016-18 2017-18 2017-18 2017-18 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2016-16 2016-17 2016-17 2016-17 2016-17 2016-17 2016-17 2016-17 2016-17 2016-18 2017-18 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2018-19 2016-18 2018-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2016-19 2017-18 2018-19 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018-18 2018			(ETC- 05	
Sulphate (Alum) from Waste Aluminium Can 2015-16 2015-16 Energy Conservation Characterization of Copper Oxide (CuC) Nanoparticle using Guava Leaf Extract and their Antimicrobial Activity 2016-17 Comparison Study of Photocatalytic Activity of Methylene Blue and Methyl Orange Dyes Using Green synthesized PbO and CuO Nanocatalyst Coreen Synthesis and Characterization of CuO nano particle using Mentha Longifolia Coreen Synthesis and Characterization of CuO nano particle using Mentha Longifolia Coreen Synthesis and Characterization of PbO nano particles Coreen Synthesis and Characterization of CuO nano particles Coreen Synthesis and Characterization of CuO nano particles Coreen Synthesis and Characterization of CuO nano particles Comparison Study of Photocatalytic Activity of Methylene Blue and Methyl Orange Dyes Using Green synthesized PbO and CuO Nanocatalyst Coreen Synthesis and Characterization of CuO nano particle using Mentha Longifolia Coreensynthesis and Characterization of PbO nano particles	2014-15	1 3	_	±
Aluminium Can UGC Sponsored Central Library, JAC, Periyakulam on 27th and 28th January 2016				
National Seminar on Ranking the Research Publication: Citation Databases and Anti-Plagiarism 2015-16 Energy Conservation Plagiarism 2016-17 Energy Conservation Plagiarism 2016-17 Green Synthesis and Characterization of Copper Oxide (CuO) Nanoparticle Using Guava Leaf Extract and their Antimicrobial Activity 2016-17 Comparison Study of Photocatalytic Activity of Methylene Blue and Methyl Orange Dyes Using Green synthesized PbO and CuO Nanocatalyst 2017-18 Greensynthesis and Characterization of CuO nano particle using Mentha Longifolia 2017-18 Greensynthesis and Characterization of PbO nano particles 2018-19 - IAS Sponsored Lecture PG and Center of March 2018 National Seminar on Research Citation Databases and Anti-Plagiarism National Seminar on Isan place in tol 17th February 2016 IAC, Periyakulam on 28 th and 28 th January 2016 IAC, Periyakulam on Isan place in Chemistry (RTC-7) IAC, Periyakulam on 11th and 12th January 2017 PG and Research Center of Chemistry, JAC, Periyakulam on 28 th January 2017 PG and Research Center of Chemistry, JAC, Periyakulam on 28 th January 2018 Physics, Chemistry, Mary Madha College of Arts and Science, Periyakulam on 6 th March 2018 2018-19 - IAS Sponsored Lecture PG and Center of		_ , , ,		
Ranking the Research Publication: Citation Databases and Anti- Plagiarism	2015-16		UGC Sponsored	•
Ranking the Research Publication: Citation Databases and Anti- Plagiarism		_	National Seminar on	
Databases and Anti-Plagiarism			Ranking the Research	and 20 January 2010
Plagiarism			Publication: Citation	
Energy Conservation			Databases and Anti-	
Environmental Issues and Challenges for Sustainable Development 2016-17 Green Synthesis and Characterization of Copper Oxide (CuO) Nanoparticle Using Guava Leaf Extract and their Antimicrobial Activity 2016-17 Comparison Study of Photocatalytic Activity of Methylene Blue and Methyl Orange Dyes Using Green synthesized PbO and CuO Nanocatalyst Greensynthesis and Characterization of CuO nano particle using Mentha Longifolia 2017-18 Greensynthesis and Characterization of PbO nano particles Greensynthesis and Characterization of PbO nano particle with a transport of the formation of the properties of the formation of the properties of the formation of the properties of the formation of the formation of the properties of the formation of the formation of the properties of the formation of the formation of the properties of the formation of the f			Plagiarism	
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Periyakuam on 6 th March 2018 IAS Sponsored Lecture PG and Center of		nano particles	2018)	Madha College of
March 2018 2018-19 - IAS Sponsored Lecture PG and Center of				Arts and Science,
Tarantan an Danasa Possarah Chamistra	2018-19	-	-	PG and Center of Research Chemistry,
Workshop on Recent Research Chemistry, Trends in Chemistry JAC, Periyakulam on			_	

		(RTC-9)	28 th and 29 th September 2018
2019-2020	Photodegradation of Methylene Blue using Green Synthesized ZrO ₂ Nanocatalyst Green way Approach of PbO Nano Photo catalytic degradation of an Organic Pollutant as Methylene Blue	National Seminar on Recent Trends in Chemistry (RTC- 10)	

Conference Presentations:

Year	Title of the Paper	Seminar	Place &Date
2014-	Photo Degradation of	DST & UGC	CPA College, Bodi on
2015	Methylene Blue by using	Sponsored National	18 th and 19 th September, 2014
	Nano sized PbO and CdO	Seminar on Emerging	
	Catalyst"	Trends in Chemistry	
		(ETC- 05	
2014-	Synthesis and Analysis of	UGC Sponsored	PG Dept of Chemistry,
2015	Potassium Aluminium	National Seminar on	J A College, Periyakulam on
	Sulphate (Alum) from Waste	Recent Trends in	8 th and 9 th January 2015
	Aluminium Can	Chemistry (RTC-6)	
2015-	Energy Conservation	National Seminar on	J A College, Periyakulam on
2016		Environmental Issues	15 th to 17 th February 2016
		and Challenges for	
		Sustainable	
		Development	
2016-	Green Synthesis and	UGC Sponsored	PG and Research Centre
2017	Characterization of Copper	National Seminar on	of Chemistry,
	Oxide (CuO) Nanoparticle	RecentTrends in	J A College, Periyakulam on
	Using Guava Leaf Extract and	Chemistry (RTC-7)	11 th and 12 th January 2017
	their Antimicrobial		
	Activity		
	Green Synthesis and	UGC Sponsored	PG and Research Center of
2017-	Characterization of CuO	National Seminar on	Chemistry, J A College,
2018	Nanonparticle using Mentha	Recent Trends in	Periyakulam on 23 rd January
	Longifolia	Chemistry (RTC-8)	2018

	Green Synthe	esis and	National (Conference	on	Dep	artme	nt of	Physics,
	Characterization	of PbC	Emerging	Trends	in	Che	mistry	, Biotechnol	ogy and
	Nanonparticles		Matrerials	- 2018		Micr	obiolo	ogy, Mary	Madha
			(NCETM-2	2018)		Coll	ege o	f Arts and	Science,
						Peri	yakua	m on 6 th Mai	rch 2018
	Photodegradation Methylene Blue u Synthesized Nanocatalyst		National Recent	Seminar Trends	on in		and of	Chemistry,	JAC,
2019- 2020	Green way Appr	oach of PbC	Chemistry	(RIC-10)		2019	-	ım on 10 th De	ecember
	Nano Photo	catalytic							
	degradation of	an Organio							
	Pollutant as Methy	ylene Blue							

Webinars Attended:

Year	Name of the Conference	Date & Organization
2019- 2020	Flipped Classrooms- the way forward	PG & Research Department of Chemistry, Bishop Heber College (Autonomous), Tiruchirapalli on 21.05.2020
	Waste to Wealth- Catalytic Approach	Department of Chemistry and Research Centre, Aditanar College of Arts and Science, Tiruchendur on 29.05.2020
	COVID 19-Scientific Perspective	Department of Chemistry & Research Centre, Aditanar College of Arts and Science, Tiruchendur on 30.05.2020
	Recent Trends in Material Frontiers	Department of Science, St. Joseph's College of Engineering, Chennai on 29 & 30.05.2020
	COVID-19 Quiz	St. Anne's B.Ed. College for Women, Thamaraikulam on 01.06.2020
	Web Development in Python Using Pycharm	Department of Computer Science and Engineering, St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti on 02.06.2020
	Impact of COVID-19 in Service Sector: Strategies to Overcome the Challenges	PG & Research Centre of Commerce, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in association with Department of Business Administration, Auxilium College (Autonomous), Vellore on 01 & 02.06.2020
	Free Statistical Tool for Research Data Analysis and Research Publication with Special Reference to Citation, Impact Factor and h Index	Library, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 01 & 02.06.2020
	VFX Techniques in Video Editing	Department of Computer Science and Engineering, St. Anne's College of Engineering and Technology, Anguchettypalayam, Panruti on 03.06.2020
	Triage Crisis & Universal Remedy - Covid 19, A Perspective	National Service Scheme, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 03.06.2020
	Digital Tool for Effective Teaching	Department of Commerce with Computer Applications, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on

		04.06.2020	
	Hybrid Nanocomposites for Energy Storage	Department of Science and Humanities, RVS Technical Campus – Coimbatore, Kumaran Kottam Campus, Kannampalayam, Coimbatore on 04.06.2020	
	Five-Day National Level Online Course on Chemistry in Our Day- to-day Life	PG & Research Department of Chemistry, Jamal Mohamad College (Autonomous), Tiruchirapalli from 04.06.2020 to 08.06.2020	
	Chemoselective Reactions for Competitive Exams	Department of Chemistry & Physics, Nadar Saraswathi College of Arts & Science, Theni on 05.06.2020	
	Supply Chains in Post COVID World	Department of Business Administration, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 06.06.2020	
	Challenges for College Teachers in the new Educational Scenario	Mary Matha College of Arts & Science, Periyakulam on 06.06.2020	
	Future of Examinations: Bloom's Taxonomy and Multiple Assessment Tools	G. T. N. Arts College (Autonomous), Dindigul, Tamilnadu on 08.06.2020	
	Faculty Development Programme on Communication	Mary Matha College of Arts & Science, Periyakulam on 08.06.2020	
	Functional Properties and Bandgap Engineering of ZnO- GaN Alloys	PG and Research Department of Physics Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 08.06.2020	
	Organic Foods and Healthy Life Style	Bachelor of Vocation in Beauty Wellness and Heath Care, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 10.06.2020	
	Porous Carbon- Based Nanocomposite for Energy Storage and Sensing & Chemical Biology of Covid-19	PG and Research Center of Chemistry, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 11 & 12.06.2020	
	Green Materials for Environmental Sustainability	Department of Science, St. Joseph's College of Engineering, Chennai on 12.06.2020	
	International e-Quiz Programme on Economic Policies on Asia- Pacific Nations against the Impact of COVID-19 Pandemic	PG & Research Department of Economics, Saraswathi Narayanan College, Madurai on 18.06.2020	
2020- 2021	Ethics and Entrepreneurship – Smart Tips	Department of Science, St. Joseph's College of Engineering, Chennai on 13.08.2020	
	Solar to Hydrogen Fuel Generation	Department of Science, St. Joseph's College of Engineering, Chennai on 14.08.2020	

Exploration of Main Group Compounds for Promoting Metal- Free Transformation in Industries	Department of Science, St. Joseph's College of Engineering, Chennai on 19.08.2020
National Level E-Quiz on Nobel Prize	PG & Research Department of Physics &
	Internal Quality Assurance Cell (IQAC), The Madurai Diraviyam Thayumanavar Hindu College, Tirunelveli on 22.08.2020 & 23.08.2020
Rotary Compressor Research	Department of Mechanical
and innovation at NTU,	Engineering, Vimal Jyothi Engineering College, Chemperi, Kannur, Kerala on 27.08.2020
A Three-Day Online Faculty Development Programme on Condensed Matter Physics under DBT Star College	PG and Research Department of Physics, Jamal Mohamed College (Autonomous) Tiruchirappalli from 19.10.2020 to 21.10.2020
Molecular Modelling for Beginners - Hands on Training in Argus Lab	PG & Research Department of Chemistry, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai on 31.10.2020
Natural Dyes: An Alternative Source of Natural Dyes	Department of Chemistry & Research Committee, Arasu Engineering College, Kumbakonam 0n 29.12.2020

Research Expeience: 07 years

Research Guidance:

No. of UG Projects Completed: 02

No. of PG Project Completed: 05

Contact Details:

Present Address: D/o Mr. K. Subbaiyan,

17E, Ambethkar Nagar,

T. Kallipatti (Po),

Periyakulam (Tk),

Theni (Dt)- 625601.

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