



FACULTY NAME	Dr Geetha Pinto
DESIGNATION	Associate Professor, Post Graduate Department of Chemistry
PROFESSIONAL STATUS	Academician with 21 years teaching experience, specialization in Inorganic Chemistry
QUALIFICATION	M.Sc, M.Phil, Ph.D
EMAIL	geetha@stagnescollege.edu.in
WORK EXPERIENCE (IN YEARS)	21 years
EDUCATIONAL DETAILS	M.Sc From Mangalore University, Konaje, Mangaluru Ph.D From National Institute of Technology, Surathkal, Karnataka
OVERALL TEACHING EXPERIENCE	PREVIOUS WORK EXPERIENCE Institution: Vivekananda College, Puttur Period:1998-1999 Designation: Asst. Professor Institution: St Philomena College, Puttur Period:1999-2000 Designation: Asst. Professor Institution: St Ann's PU College, Mangalore Period:2001-2003 Designation: Lecturer

	<p>Institution: St Aloysius College (Autonomous), Mangalore Period:2003-2007 Designation: Asst. Professor</p> <p>Institution: National Institute of Technology, Karnataka, Surathkal Period:2007 (July) -2011 (March) Designation: JRF & SRF During the above period, assisted in handling the lab of the M.Sc Chemistry Programme.</p> <p>Institution: St Agnes College (Autonomous), Mangalore Period:2011 to Till date Designation: Associate Professor</p>
SPECIALIZATION Ph.D	Corrosion
SPECIALIZATION PG	Inorganic Chemistry
OTHER SPECIALIZATION	Nanochemistry
SUBJECTS TEACHING UG/PG LEVEL	Coordination Chemistry, Corrosion, Electrochemistry, Chemical bonding, Solid state Chemistry, Electrochemistry, Group theory, spectroscopy.
SKILL SETS	Handling Instruments like UV- visible spectrophotometer, Flame photometer, Electrochemical workstation (corrosion analyser), Cosmetic Formulation

PARTICIPATION IN CONFERENCES/ SEMINARS/ WORKSHOPS

DATE/MONTH/YEAR	UNIVERSITY/ NATIONAL/ INTERNATIONAL LEVEL	TITLE OF CONFERENCES/ SEMINARS/ WORKSHOPS	TITLE OF SPONSORS/ ORGANISER/S	Place	TITLE OF PAPER PRESENTED
27-02-2017	International	Green Chemistry & Nanotechnology Opportunities and Challenges	PG Chemistry Department, St. Aloysius College, Mangaluru	Mangaluru	Synthesis, Characterisation and antimicrobial study of ZnO nanoparticles

10-01-2019	International	International conference on Nanotechnology-2019 Opportunities and Challenges	PG Chemistry Department, St. Aloysius College, Mangaluru	Mangaluru	Synthesis, Characterization of bare and doped cobalt oxide Nano particles for the photo catalytic adsorption and antimicrobial properties
15-03-2019	National	National conference on National Conference on Synthetic, Spectroscopic and Structural Chemistry	Govinda Dasa College, Surathkal	Surathkal	Evaluating the inhibitory action of CdS and its hybrid for corrosion of mild steel in acidic media and its antimicrobial activity

PUBLICATIONS

YEAR	TITLE OF THE JOURNAL	TITLE OF THE PAPER	PAGE NUMBERS/ VOLUME/ PUBLISHERS
2017	<i>Int J Curr Pharm Res</i>	Application of metal complexes of schiff bases as an antimicrobial drug: a review of recent works	9(3):27-30.
2018	<i>Proceedings of National Conferences on Current Advances in Chemical Sciences</i>	Synthesis and Characterization of Metal Complexes of Schiff Bases of 3-Chloro-2-Fluoroaniline	49-52 (ISBN No: 978-93-82694-52-6)
2019	<i>Journal of applicable chemistry</i>	Synthesis, charactreization and study of antimicrobial activity of amino functionalised manganese oxide nanoparticles	8(2):598-605
2020	<i>Cogent Engineering</i>	Development of functionalised CuO nanoparticles for enhancing the adsorption of methylene blue dye	https://doi.org/10.1080/23311916.2020.1783102

2021	<i>Mapana Journal of sciences</i>	The Development of silane functionalized ZnO nanoparticles for enhancing anticorrosion application	0975-3303 https://doi.org/10.12723/mjs.57.4
2023	<i>Biointerface research in applied chemistry</i>	Green Approach to Corrosion Inhibition of Mild Steel in Hydrochloric Acid using Extract from the Pericarp of the fruit Tamarindus indica	https://doi.org/10.33263/BRIAC136.544
2023	<i>Asian journal of chemistry</i>	Synthesis of CeO ₂ nanoparticles for the enhanced adsorption activity of chitosan and other applications.	35(2):435-440, 2023
2023	<i>Materials today: Proceedings</i>	Synthesis of Functionalized α -Fe ₂ O ₃ nanoparticles: Characterization and applications	https://doi.org/10.1016/j.matpr.2023.05.111
2023	<i>Inorganic Chemistry communications</i>	"Influence of Cobalt Doping on Chemical and Green Synthesized Magnesium Oxide Nanoparticles for Enhanced Photocatalytic Evaluation, Adsorption Studies".	https://doi.org/10.1016/j.inoche.2023.111232

CHIEF GUEST/ RESOURCE PERSON/ MODERATOR/ CHAIRPERSON/ CO-ORDINATOR/ any other

DATE/MONTH/YEAR	POSITION HELD	TITLE OF THE PROGRAM ORGANISED	PLACE HELD AT
30-01-2017 & 31-01-2017	Convener	Microscale Experiments and ICT in Chemistry	St Agnes College Mangalore
14-02-2018 & 15-02-2018	Convener	Computational & theoretical chemistry	St Agnes College Mangalore
10-03-2018	Chief guest	Women's Day	St Aloysius School
30-08-2019	Chief guest	National Librarian's day	Shri JCBM College, Shringeri

		Delivered a talk on “Chemistry in Everyday life.”	
28-12-2020	External member	I-CASH,(Institute committee against sexual harassment) NUCSER (Nitte University centre for science education and research)	Deralakatte, Mangalore
15-03-2019	Moderator	National Conference on Synthetic, Spectroscopic and Structural Chemistry	Govinda Dasa College, Surathkal
From the year 2019	Mentor	Star College Scheme, SDM College, Ujire	SDM, Ujire
09-07-2020	Convener	International webinar on advanced materials and technologies	@ Google meet, St Agnes College(Autonomous) Mangalore.
15-09-2021 to 07-09-2021 (30 Hrs)	Convener	Certificate course on Research methods in chemical sciences	@ Google meet, St Agnes College(Autonomous) Mangalore.
03-08-2022	Chief guest and Resource person	Topic: Corrosion Title: Seminar on Recent advances in Chemistry	St Aloysius Pre University College(Autonomous) Harihar.
09-11-2022 till 03-12.2022	Convener	Cosmetic Chemistry	Theory @google meet and Hands on skills @St Agnes College(Autonomous) Mangalore.
13-02-2023	Resource Person	Topic: Corrosion	@webinar, Karnataka Science and Technology Academy, Dept. of Science and Technology, Govt. of Karnataka
05-09-2023	Convener	Topic: Organics for Flexitronics	@Seminar St Agnes College(Autonomous) PG Auditorium Mangalore
06-09-2023	Resource Person	Topic: Coordination Chemistry	@webinar Karnataka Science and Technology Academy, Dept. of Science and Technology, Govt. of Karnataka
	Resource Person	Topic: Research methods in Chemical sciences	St Agnes College(Autonomous), Mangalore

21-09-2023	Resource Person	Topic: Art of Effective PPT presentation	@Workshop Government first grade College, Bettampady, Puttur.
31-10-2023	Convener	Intercollegiate Fest- Celestia 2023	St Agnes College(Autonomous), Mangalore
18-11-2023	Resource Person	Topic: Crystal field theory	@webinar Karnataka Science and Technology Academy, Dept. of Science and Technology, Govt. of Karnataka

AWARDS AND ACHIEVEMENTS

DATE	DETAILS
1-07-2015 to 30-06-2018 MRP ID: MRP-MAJOR-CHEM-2013-44460	Received Financial assistance by the UGC, New Delhi, Govt. of India for the Major research project Title: Synthesis of Functionalised nanoparticles and their application for the corrosion inhibition of mild steel in acid medium. [completed]
01-06-2012 to till date	Coordinator of the star college Star college scheme, DBT, MST, Govt. of India In year 2017, Star College Scheme is upgraded to Star College Status, A unique distinction by the Department of Biotechnology, Government of India
14-06-2020 (20 hrs)	Completed certificate course on spectral analysis with A+ grade by St Aloysius College
Sep-Dec 2020, 12 weeks	Completed NPTEL course on Coordination chemistry of transition metals with Elite silver medal (IIT, Kharagpur)

RESEARCH FUNDINGS RECEIVED FROM THE GOVERNMENT FUNDING AGENCIES

YEAR	FUNDING AGENCIES	TITLE OF THE PROJECT	NAME OF THE PRINCIPAL INVESTIGATOR /COORDINATOR	AMOUNT SANCTIONED IN LAKHS	AMOUNT RECEIVED IN LAKHS
2012-2014	UGC, Government of India	Synthesis and charecterisation of ZnO nanoparticles	Dr Geetha Pinto	2,00000/-	2,00000/-
2015-2018	UGC, Government of India	Synthesis of Functionalised nanoparticles and their application to corrosion inhibition of mild steel	Dr Geetha Pinto	5,07,000/-	5,07,000/-
2019-2020	DBT, Government of India	Conference, Travel, Exhibition and Popular lectures(CTEP)	Dr Geetha Pinto	2,00,000/-	2,00,000/-
2012-2017	DBT, Government of India	Star College Scheme	Dr Geetha Pinto	77,00,000/-	77,00,000/-
2017-2021	DBT, Government of India	Star College Status	Dr Geetha Pinto	1,59,00,000/-	1,03,00,000/-

RESEARCH PROJECTS GUIDED

YEAR	TITLE OF THE PROJECT	NAME OF STUDENT
2018	Synthesis and characterization of ferric oxide and functionalised nanoparticles and its efficiency towards corrosion resistance with mild steel in acid medium	Navya
	Synthesis, Characterization of bare and doped cobalt oxide Nano particles for the photo catalytic activity, adsorption and antimicrobial properties	Pratheeksha
	Synthesis and characterization of ferric oxide and functionalised nanoparticles and its efficiency towards corrosion resistance with mild steel in acid medium and antimicrobial	Shwetha B L
	Synthesis, Characterization of bare and doped cobalt oxide Nano particles for the photo catalytic adsorption and antimicrobial properties	Shyamili Joseph
2019	Synthesis and characterization of calcium doped cerium oxide nanoparticles for the enhanced adsorption activity of chitosan and other applications	Surya P
	Evaluating the inhibitory action of CdS and its hybrid for corrosion of mild steel in acidic media and its microbial activity	Swathi Krishna
	Corrosion inhibition studies of Schiff base derived from 3-aminophenylbenzimidazole on mild steel in 0.5 M HCl	Aleena

	Development of functionalized ZnO nanoparticles for enhancing anticorrosion and photocatalytic activity	Aparna
	Corrosion inhibition studies of Schiff base derived from 3-aminophenylbenzimidazole on mild steel.	Ashwathy
	Synthesis of silane functionalized Fe ₃ O ₄ nanoparticles and its corrosion inhibition studies on mild steel in acid medium.	Apoorva
	Synthesis, characterization and application of CuO and ZnO doped CuO nanoparticles.	Aishwarya
	Synthesis and characterization of Schiff base and corrosion inhibition study on mild steel in HCl medium	Mamatha
2020	Corrosion inhibition of 1,2,4-triazole derived from 3,5-diphenyl-4h-1,2,4-triazole-4-amine on mild steel in 1N H ₂ SO ₄	Abeena
	Synthesis and characterization of Chalcone and pyrazoline derivative and study of its corrosion resistance property on mild steel in acid medium	Akshatha

	Synthesis and characterization of Chalcone and cyclohexanone derivative and study of its corrosion inhibition on mild steel in acid medium	Ann Maria Joy
	Comparative study of corrosion inhibition of imidazole derivative in mild steel using acid media	Ann Mary Roy
	Synthesis and comparative study of corrosion inhibition in mild steel using isoxazole derivative	Anuvinda
2021	Corrosion inhibition of mild steel using allium cepa leaf extract as a green inhibitor in acidic media	Aman
	Corrosion inhibition of mild steel in acidic medium using Artocarpus altilis plant leaves extract as a green corrosion inhibitor	Aswathi V
	Photocatalytic studies of chemical and green synthesized Co doped MgO nanoparticles and other applications	Jeena
	Synthesis of cadmium sulfide /polystyrene /starch hybrid nanoparticles and its application in adsorption of malachite green dye	Aswathy AB
	Synthesis of functionalised α -Fe ₂ O ₃ nanoparticles, characterization, photocatalytic and electrochemical applications	Vidya

	Corrosion inhibition of mild steel in HCl using Tamarindus Indica peels extract as a green corrosion inhibitor	Sr Vinitha Pinto
2022	Synthesis of magnetite nanoparticles, characterisation and study of its application	Amrutha Ganesh
	Synthesis of Mg-doped Nickel Oxide nanoparticles, it's characterizations and applications	Anjali
	Synthesis, characterisation and application of Al-doped ZnO Nanoparticles	Anusree
	Synthesis and characterisation of MgO and Co-MgO nanocomposite PSf membranes and its application	Binan Anjeev

RESEARCH GUIDANCE	<ul style="list-style-type: none"> Guiding a student Ms Asha Flaveena Pinto for the PhD degree. Reviewed a research article “Corrosion Inhibitive Effect of Novel Eco Friendly Corrosion Inhibitors for Mild Steel in 0.5M HCl –A Comparative Study.” [https://link.springer.com/journal/volumesAndIssues/11987] Reviewed a research article “An Aqueous Extract of Macaranga Peltata Leaves - A Green Corrosion Inhibitor for Mild steel in Hydrochloric Acid Medium.” [https://link.springer.com/journal/volumesAndIssues/11987]
RESEARCH INTERESTS	Corrosion, Nanochemistry

DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES	<ul style="list-style-type: none"> • Member of Institutional committee against sexual Harassment (I- CASH) of Nitte University for Science Education and Research, Deralakatte, Mangaluru from 01-09-2019 till date. • Member of Advisory committee, Star College Scheme, SDM College, Ujjire • Member of Advisory committee, Star College Scheme, SDM College, Honnavar
DETAILS OF MEMBERSHIP IN ACADEMIC BODIES	<ul style="list-style-type: none"> • Chairperson of BOE and BOS, at the Post Graduate Department of Chemistry, St Agnes College (Autonomous), Mangaluru from 2012 till 2022 • BOE member at the Post Graduate Department of Chemistry, St Aloysius College (Autonomous), Mangaluru. • BOE member at the Post Graduate Department of Chemistry, S.D.M College(Autonomous),Ujire • BOS member(Subject Expert), M.Sc Chemistry Programme, Yenepoya, Deemed to be University, Deralakatte, Mangaluru.
ADMINISTRATIVE RESPONSIBILITIES	<ul style="list-style-type: none"> • Head of the Department of Post graduate studies in Chemistry, St Agnes College(Autonomous), Mangaluru from the year 2011 till 2022 • Coordinator of Star College Scheme, DBT, Ministry of Science & Technology, Government of India, from the year 2012

NPTEL/FDP/COURSERA/ CERTIFICATE COURSE

TYPE	YEAR	TITLE	TITLE OF THE SPONSORS/ORGANISERS	DURATION	MODE
Workshop	2017	Workshop on Research based pedagogical tools	St Joseph's College, Bangalore	3 days	Offline
NPTEL, Certificate course	2018	Chemistry of main group elements	IIT, Mumbai	12 weeks	Online

NPTEL, certificate course	2020	Coordination chemistry of transition metals	IIT, Kharaghpur	12 weeks	Online
FDP	2021	Outcome based education	St Agnes College(Autonomous), Mangaluru	5 days	Online
FDP	2022	E content development	St Agnes College(Autonomous), Mangaluru	5 days	offline
