


Faculty Profile

Name	:	Dr. P. ANITHA	
Date of Birth	:	16.02.1984	
Highest Qualification:	:	Ph.D.,	
Date of Joining	:	28.08.2023	
Designation	:	Associate Professor	
Date of promotion (Present Designation):	:	NA	
Area of Interest	:	Nanotechnology, Crystal growth	
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Experience	:	Teaching: 14.6 years	Industry : Nil Research: 9yrs
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Association with Professional Bodies

Name (Professional Body)	International Nano Science Community	International Society for Development and Sustainability		
Type of Membership	Life Time	Life Time		

Research

Ph.D Guidance					
Supervisor /Guideship No.:	NIL	University:	NIL	No. of Scholars:	NIL
Publication*					
International Journals	:	25	National Journals	:	NIL
International Conference	:	08	National Conference:		
Project Grants (Research projects guided or undertaken/Sponsored Projects)					
Received (Amount)	:		Applied (Amount)	:	
Patent					
Published	:	01	Granted	:	NIL

Books

Published	:	01
:		

FDPs/STTPs/Workshops/Seminar etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended:	10	Attended:	1	Attended:	03	Attended:	5	Attended:	
Organized:		Organized:		Organized:		Organized:		Organized:	

***List of Publications:**

1. Synthesis and characterization of Silvernanoparticles using *Andrographis paniculata* and its Anti-inflammatory effects on human blood cells, *International Journal of Physics and Research*,2015;5(6);39-48.
2. Synthesis and characterization of Silver nanoparticles using *Persea americana*(Avocado) and its Anti-inflammatory effects on human bloodcells, *Int.J.Pharm.Sci.Rev. Res.*,2015;35(2); 173-177.
3. Synthesis and characterization of Silvernanoparticles using *Allium cepa* and its Anti-inflammatory effects on humanbloodcells,*IndoAmerican Journal of Pharmaceutical Research*,2016;6(1);4203-4210.
4. Microwave Assisted Synthesis and Characterization of Silvernanoparticles using *Tridax Procumbens* and its Anti-inflammatory activity against humanbloodcells.*JNanomater MolNanotechnol*,2015;4(5);1-6.
5. Microwave Assisted Synthesis and Characterization of SilverNanoparticles using *Ocimum basilicum* and its Anti-inflammatory activity against human bloodcells.*International Journalof Science and Research*,2016; 5(1);1422-1428.
6. Synthesis and characterization of Silvernanoparticles using *Delonixelata* and its Anti-inflammatory effects on humanbloodcells, *International Journal of Science,Engineering and Technology*,2016;4(1);330-336.
7. Microwave Assisted Synthesis and Characterization Of SilverNanoparticles Using *Citrulluslanatus* Leaf Extract And its Anti-Inflammatory activity against humanbloodcells, *International Journal of Advanced Engineering and NanoTechnology (IJAENT)*,2016;3(3),1-6.
8. Microwave Assisted Synthesis and Characterization of SilverNanoparticles Using *Ipomoeastaphylina* leaf extract and its Anti-Inflammatory activity against humanbloodcells, *IOSR Journal of Applied Physics (IOSR-JAP)*,2016;8(2);74-80
9. SynthesisandcharacterizationofSilvernanoparticlesusing*Acalyphaindica*anditsAnti-inflammatoryeffectsonhumanbloodcells, *InternationalJournalofResearchin PharmaceuticalandNanoSciences*,2016;5(1);26-34.
10. Synthesis and Characterization of silver nanoparticles using *Phyllanthusacidus* leafextract and its anti-inflammatory activity against humanbloodcells, *International Journal of Medicine and Pharmaceutical Research*,2016;4(2);95-99
11. Growth and Characterization of L-Alanine Crystals using FT-IR,UV, Visible Spectra, *International Journal of Science and Research (IJSR)*,Volume3, Issue3,March2014.
12. The Characterization of L-Alanine crystals using band gap, microhardness and nonlinearstudies.*IOSRJournalofAppliedPhysics(IOSR-JAP)*,Volume6,Issue2 Ver.I(Mar-Apr.2014).
13. Biosynthesis and characterization of Silvernanoparticles by using *Lablab purpureus* flower extracts and its Anti-microbialactivities, *International Journal of Current Advanced Research*Vol7,Issue6(C),June2018,PP13268-13272.
14. Biosynthesis and Characterization Of SilverNanoparticles By Using *Cajanus Cajan* Flower Extracts and Its Anti-MicrobialActivities, *International Journal of Pharmacy and Biological Sciences*,Vol-8,Issue-4, (Oct-Dec)2018,PP475-481.
15. Synthesis and Characterization of silver nanoparticles using *Lablab purpureus* flowers (Purple colour) and its anti-microbial activities, *International Journal of Scientific Research in BiologicalSciences*, Vol.5,Issue.6,pp.01-07, Dec(2018).

16. An investigation of the DNA binding properties of Mn^{2+} , Co^{2+} and Ni^{2+} complexes with 2-aminobenzonitrile and octanoate ions as ligands. *Int J Pharm Sci & Res* 2019; 10(12): 5606-11.

17. In Vitro Pharmacological activity of Zinc and Copper nanoparticles using medicinal plant of *Acalypha indica* root extracts, *Journal of Information and Computational Science* Volume, 10 Issue 4 – 2020.
18. Pharmacological Potential of Anti-oxidant and anti-inflammatory activity of ethyl acetate fraction of *Moringa Oleifera* Flowers (Murugai), *Journal of Xidian University*, Volume 14, Issue 5, 2020, 1231- 1241.
19. Pharmacological activity of silver nanoparticles using *Moringa Oleifera* flower extracts, *Journal of Information and Computational Science*, Volume 10 Issue 7 – 2020 , Pages: 224-235.
20. Pharmacological potential of nickel nanoparticles using *Tribulus Terrestris* plant extracts (Stem), *International Journal of Botany Studies*, Volume 6; Issue 1; 2021; Page No.: 504-508.
21. Pharmacological Potential of Anti-oxidant and Anti-inflammatory Activity of Ethyl Acetate Fraction of *Moringa oleifera* Flowers (Murugai), *Indian Journal of Natural Sciences*, Vol.12, Issue 65, April, 2021, Page No.: 30022-30029.
22. An efficient Synthesis, Spectral Characterization and Biological Screening of Dimeric $Fe(III)$ Complex with 2-Aminobenzonitrile and Benzoate Ion Ligands, *Indian Journal of Natural Sciences*, Vol.12, Issue 65, April, 2021, Page No.: 30105-30115.
23. Synthesis and Antioxidant activity of some novel 4H-Chromene derivatives catalyzed by Biogenic Tin-Oxide Nanoparticles, *Biointerface Research in Applied Chemistry*, Vol 13, Issue 6, February 2023.
24. Synthesis of some Schiff Base derivatives using One pot Grinding method and its Biological Activities, *Oriental Journal of Chemistry*, Vol 38, No (6) February 2023 Pg: 1525-1531.
25. Microwave Assisted Synthesis of some Schiff base Derivatives and their Biological Activities. *Indian Journal of Natural Sciences*, Vol.14, Issue 77, April, 2023, ISSN : 0976-09971-2.