


**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)	:	--					
Area of Interest	:	Nanotechnology					
Mobile No	:	9787663468	Email ID	:	anitha.p@trp.srmtrichy.edu.in		
Experience	:	Teaching :	15.4 years	Industry :	--	Research :	--
Address (for Communication)	:	215-Bank Colony, AIBEA Nagar, Thiruvanai Kovil, Srirangam-05					

**Association with Professional Bodies**

Name (Professional Body)	Raman International optronics Society	Acoustical Society Of India		
Type of Membership and No.:	Two years RIOS/0774/2023	Life member LX 800		

**Research**

<b>Ph. D Guidance</b>					
Supervisor / Guide ship No. :	-	University :	-	No. of Scholars : -	
<b>Publication*</b>					
International Journals	:	28	National Journals	:	-
International Conference	:	12	National Conference	:	02
<b>Project Grants (Research projects guided or undertaken/ Sponsored Projects)</b>					
Received (Amount)	:	-	Applied (Amount)	:	-
<b>Patent</b>					
Published	:	2	Granted	:	-

**Books**

Published	:	01 Book 03 (Book Chapters)
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**FDPs / STTPs / Workshops / Seminars etc.,**

FDP		STTP		Workshop		Seminar		Others	
Attended :	09	Attended :	02	Attended :	04	Attended :	05	Attended :	-
Organized :	01	Organized :	-	Organized :	03	Organized :	03	Organized :	-

**\*List of Publications :**

28. Vimal Priya S , Karthika K , **Anitha P**, Muruganantham N. and Govindaraj M, Microwave assisted synthesis and Characterization of Silver nanoparticles using Vincetoxicum subramanii and its biological activities, Research Journal of Chemistry and Environment, Vol. 28 (6) June (2024).

27. G. Tamil Elakkiya, G. Sundararajan, R. Lakshmi pathy, **P. Anitha** and N. Muruganantham, Prolific application of green synthesised Cds nanoparticles for the sequestration of cationic dyes from aqueous solution, Bull. Chem. Soc. Ethiop. 2024, 38(3), 631-645.

26 .**P Anitha**, N Muruganantham, R Govindharaju, P Sakthivel, MM Senthamilselvi, A Facile Microwave-Assisted Synthesis of Nanoparticles in Aspect of Energy Storage Applications, Materials for Sustainable Energy Storage at the Nanoscale, CRC Press, 2023/7/21, 209-223.

25. Mahesh.S and Muruganantham.N Anusuya.V, Anitha.P, Microwave Assisted Synthesis of some Schiff base Derivatives and their Biological Activities, Indian Journal of Natural Sciences, 14 (77), 2023/4, 54366-54374

24. Anusuya.V, Muruganantham.N, **Anitha.P** and Mahesh.S , Synthesis of some Schiff Base derivatives using One pot Grinding method and its Biological Activities, Oriental journal of chemistry, 1525-1531, 38 (6), 2022.

23. S. Balasubramaniyan and **P.Anitha** N. Muruganantham, R.Govindharaju, 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, 12 (65), 2021.

22. N. Muruganantham, R.Govindharaju, **P. Anitha**, and M. M. Senthamilselvi, Pharmacological Potential of Anti-oxidant and Anti-inflammatory Activity of Ethyl Acetate Fraction of Moringa oleifera Flowers (Murugai), Indian Journal of Natural Sciences, 12 (65), 30022- 30029.

21. N Muruganantham, R Govindharaju, **P Anitha**, P Sakthivel, MM Senthamilselvi, Pharmacological potential of nickel nanoparticles using Tribulus Terrestris plant extracts (Stem), International Journal of Botany Studies, 6 (1), 504-508.

20. **P. Anitha**, P. Sakthivel, S.Balamurugan, N. Muruganantham, Pharmacological activity of silver nanoparticles using Moringa Oleifera flower extracts, Journal of Information and Computational Science, 10 (7), 224-235, 2020.

19. **P. Anitha** N. Muruganantham, Pharmacological Potential of Anti-oxidant and anti-inflammatory activity of ethyl acetate fraction of Moringa Oleifera Flowers (Murugai), Journal of Xidian University, 14 (5), 1231- 1241, 2020.

18. N. Muruganantham and **P. Anitha**, In Vitro Pharmacological activity of Zinc and Copper nanoparticles using medicinal plant of Acalypha indica root extracts, Journal of Information and Computational Science, 10(4), 631 – 642, 2020.

17. N Muruganantham, R Govindharaju, **P Anitha**, An investigation of the dna binding properties Of Mn<sup>2+</sup>, Co<sup>2+</sup> AND Ni<sup>2+</sup> complexes with 2-aminobenzonitrile and octanoate ion as ligands, International Journal of Pharmaceutical Sciences and Research, 47 (10), 5606-11, 2019.

16.N Muruganantham, R Govindharaju, **P Anitha**, V Anusuya, Synthesis and Characterization of silver nanoparticles using Lablab purpureus flowers (Purple colour) and its anti-microbial activities, Int. J. Sci. Res. Biol. Sci 5, 1-7, 2018/12.

15.N.Muruganantham, T. Arunachalam , P.Ranjitha , **P.Anitha** , S. Anjalai, Biosynthesis and Characterization of Silver Nanoparticles by Using Cajanus Cajan Flower Extracts and Its Anti-Microbial Activities Indo American Journal of Pharmaceutical Research 8 (09), 1616- 1622, 2018

14.Sivasangari N. Muruganantham, T. Arunachalam, **P. Anitha**, P. Ranjitha, Biosynthesis And Characterization Of Silver Nanoparticles By Using CajanusCajan Flower Extracts And Its Anti-Microbial Activities, International Journal of Pharmacy and Biological Sciences, 8 (4), 475-481, 2018

**13.Anitha P.**, Sakthivel P., Balamurugan S and Muruganantham N, Biosynthesis and characterization of Silver nanoparticles by using Lablab purpureus flower extracts and its Anti-microbial activities, International Journal of Current Advanced Research, 13268-13272, 7 (6), 2018.

12. **.P.Anitha**, P.Sakthivel, Synthesis and Characterization of silver nanoparticles using Phyllanthus acidus leaf extract and its anti-inflammatory activity against human blood cells, International Journal of Medicine and Pharmaceutical Research, 4 (2), 95-99, 2016.

11. **P.Anitha**, P.Sakthivel, Synthesis and characterization of Silver nanoparticles using *Acalypha indica* and its Anti-inflammatory effects on human blood cells, *International Journal of Research in Pharmaceutical and Nano Sciences*, 5 (1), 26 – 34, 2016.
10. **.P Anitha**, P Sakthivel, Microwave Assisted Synthesis and Characterization of Silver Nanoparticles Using *Ocimum basilicum* and its Anti-Inflammatory Activity against Human Blood Cells, *International Journal of Science and Research*, 1422-1428, 5 (1), 2016.
9. **P Anitha**, P Sakthivel, Microwave Assisted Synthesis and Characterization of Silver Nanoparticles Using *Ipomoea staphylina* Leaf Extract and Its Anti-Inflammatory Activity against Human Blood Cells, *IOSR Journal of Applied Physics*, 8 (2), 74-80, 2016.
8. **P.Anitha**, P.Sakthivel, Microwave Assisted Synthesis and Characterization of Silver Nanoparticles Using *Citrullus Lanatus* Leaf Extract and Its Anti-Inflammatory Activity Against Human Blood Cells, 3 (3), 01-06, 2016.
7. **P Anitha**, P Sakthivel, Synthesis and Characterization of Silver Nanoparticles using *Allium cepa* and its Anti-Inflammatory activity against human blood cells, 6 (1), 4203-4210, 2016.
6. **P Anitha**, P Sakthivel, Synthesis and characterization of silver nanoparticles using *Delonix Elata* leaf extract and its antiinflammatory activity against human blood cells, *Int J Sci Eng Technol*, 4 (1), 330-336, 2016.
5. **P.Anitha**, P.Sakthivel, Synthesis and characterization of Silver nanoparticles using *Andrographis paniculata* and its Anti-inflammatory effects on human blood cells, *International Journal of Physics and Research*, 5 (6), 39-48, 2015.
- 4.**P Anitha**, P Sakthivel, Microwave assisted synthesis and characterization of silver nanoparticles using *Tridax procumbens* and its anti-inflammatory activity against human blood cells, *J. Nanomater. Mol. Nanotechnol*, 4, 1-6, 2015.
3. **P Anitha**, P Sakthivel, Synthesis and characterization of silver nanoparticles using *Persea americana* (Avocado) and its anti-inflammatory effects on human blood cells, *International Journal of Pharmaceutical Sciences Review and Research*, 35 (2), 173-177, 2015.
2. Muruganantham, N; **Anitha, P**, The Characterization of L-Alanine crystals using band gap,

microhardness and Non-linear studies, IOSR J. Appl. Phys, 21-25, 2014.

**1.P Anitha**, N Muruganatham, Growth and Characterization of L-Alanine Crystals using FT-IR, UV visible spectra, Int. J. Sci. Res, 3, 2319-7064, 2014