

RESUME

**Dr. S. Mary Jelastin Kala,
Assistant Professor in Chemistry
St. Xavier's College
Palayamkottai-627 002**

Personal Profile:

Father's Name : Mr. P. Soosai Michael
Nationality : Indian
Languages known : Tamil & English
Mother Tongue : Tamil
Residential Address : 3/116, East Street,
Madathattuvilai, Villukuri (post)
Kanyakumari(Dist) – 629180,
TamilNadu, Mobile :9486909684
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Teaching Experience

- Annaivelankanni College, Tholaiyavattom – **13 years**
- St.Xavier's college, Palayamkottai - **10 years**

Position Held

- Dean of women students, Anti-Ragging Committee- **2010-2013**
- Director of women's study centre - **Since June, 2016**
- Presiding officer sexual harassment cell - **Since 2017**
- Vice Principal - **Since 2018**

Resources Person

- Organo metallic chemistry –Sarah Tucker College, Palayamkottai
- Organic reaction mechanism – Parasakthi College, Courtallam

Seminar Conducted

- National Conference on **Recent Trends in Materials Chemistry**, Department of Chemistry, St. Xavier's College on 23 & 24 February 2017.
- National Seminar on **Women in Science and Technology**, St. Xavier's College On 23 & 24 February 2017

Book Published

- **Women in Science and Technology**, ISBN: 978-93-84734-48-0, **2017**.

Research Experience

Guide:

- Ph.D ongoing - **5**
- Ph.D Completed - **3**
- List of Journals Published -**30**

Project Experience:

Development and characterization of “Chitosan based polyester polymer electrolytes doped with Fe₃O₄ nanoparticles” for industrial applications – under UGC – **2 years**.

List of Publications

| S.No | Authors | Paper Title | Journal Name | Year, Vol. Page. No | Impact Factor |
|------|--|--|--|--------------------------------|---------------|
| 1. | P. Ananthi,S. Mary Jelastin Kala,A. Maria Clara | Antibacterial Studies of Synthesized Doped Zinc Oxide Nanoparticles by Using Triumphetta rotundifolia Plant Extract | International Journal of Recent Research Aspects | April 2018, pp. 530-534 | 1.235 |
| 2. | P.Vijaya Kumar, S.Mary Jelastin Kala | Green synthesis, characterisation and biological activity of Platinum Nanoparticle using Croton Caudatus Geisel leaf extract | International Journal of Recent Research Aspects | April 2018, pp. 608-612 | 1.235 |
| 3. | A. Guru Sathiya, P. Vijaya Kumar, Dr. S.Mary Jelastin Kala | Synthesis of Gold Nano Particles Using Palmyra Sprout Root: An Eco Friendly and Green Approach | International Journal of Recent Research Aspects | April 2018, pp. 287-289 | 1.235 |
| 4. | P. Ananthi, S. Mary Jelastin Kala | Plant Extract Mediated Synthesis and Characterization of Copper nanoparticles and their Pharmacological Activities, | IJRSET, | 6(7), 13455-13465, 2017 | 6.209 |
| 5. | Mohan V R*, | Antiinflammatory Activity of | International | 2016; 8(3); | |

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|-----|---|---|---|---|-------|
| | YokeswariNithya P, Mary Jelastin, Kala S | Whole Plant of Catharanthuspusillus | Journal of Toxicological and Pharmacological Research | 194-196 | |
| 6. | P. Y. Nithya, S. M. Jelastin Kala V. R. Mohan | Evaluation of total phenolics, flavonoid contents and in-vitro antioxidant properties of catharanthuspusillus (apocynaceae) | International Journal of Pharmaceutical Sciences and Research | 7(7): 3021-3027, 2016 | 2.60 |
| 7. | YokeswariNithya, P Mary Jelastin Kala, S Mohan, V.R | Isolation, Purification and Characterization of (R)Petranine from Catharanthuspusillus(Murr.) G.Don(Apocynaceae) | International Journal of Science and Research (IJSR) | (2015) Volume 5 Issue 7, July 2016 | 6.391 |
| 8. | P. Ananthi, U. Jeyapaul, A. James Balgan Anand, S. Mary Jelastin Kala | Green synthesis and characterization of silver nanoparticles using TriumfettaRotundifolia plant extract and its antibacterial activities | Journal of Natural Product and Plant Resources | 6 (3):21 - 27, 2016 | 4.172 |
| 9. | P. Ananthi, A. James Balgan Anand, U. Jeyapaul, S. Mary Jelastin Kala | Eco-friendly synthesis and characterization of silver nanoparticles using Vitexleucoxyllonlinn leaf extract and their study of its antibacterial and anti-fungal activities | World Journal of Pharmaceutical Sciences | 4(8): 131- 137, 2016 | 0.453 |
| 10. | A. Jerold Antony , *S.MaryJelastin Kala | Spectroscopic, microbial and DNA binding affinities of some copper metalcomplexes using 1,10-phenanthroline as a co-ligand | Scholars Research Library, Der Pharmacia Lettre, | 2016, 8 (1):310- 319 | |
| 11. | S. Balasubramanian*, U. Jeyapaul, S.MaryJelastin Kala | Ecofriendly synthesis Of Silver Nanoparticles Using ethno medicinal plant leaf extract (JasminumAuriculatum) and their Antibacterialproperties | International Letters of Chemistry, Physics and Astronomy | 58 (2015) 113-121 | |
| 12. | U. Jeyapaul, S. Parvathikrishnan, A.John Bosco, S. Balasubramanian, S. Mary Jelastin Kala | Biosynthesis of Silver Nanoparticles Using TriumfettaRhomboida Leaf Extract and the anti-bacterial efficacy | International Journal of Advanced Chemical Science and Applications | 3(1):17- 20,2015 | 0.45 |
| 13. | S. Balasubramanian, U. Jeyapaul, A.JohnBosco, S.MaryJelastin Kala | Green Synthesis of Silver Nanoparticles Using CressaCretica Leaf Extract and its Antibacterial Efficacy | International Journal of Advanced Chemical Science and Applications | 3(1):65- 71,2015 | 0.45 |
| 14. | ShanmugavelKavitha, Maria Louis | GC-MS analysis of ethanol extract of stem of | World Journal of Pharmaceutical | 2015; 3(6): 1145-1150 | |

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| | PackiaLincy, Soosaimicheal Mary JelastinKala, VeerabahuRamasamy Mohan* and ArumugamMaruthupan dian | Nothapodytesnimmoniana (Graham) Mabb | Sciences | | 0.453 |
| 15. | James BalganAnand D., Mary Jelastin Kala S | Study on Heavy Metal Distribution in the Coastal Environments along the Foremost Places of South-East Coast of India | http://www.ijirset.com/volume-4-issue-3.html . | SJIF 2014: 5.442.ISSN (Online): 2319-8753. | 6.209 |
| 16. | James BalganAnand D., Mary Jelastin Kala S | Study on Hydrographic properties in the coastal waters along South East Coast of India. | http://www.ajer.org/v4(6).html . | ISSN (online): 2320-0847. | |
| 17. | James BalganAnand D., Mary JelastinKala.S,Vijaya Kumar P | Monthly Variations of Water Quality along South East Coast of India. | https://www.woarjournals.org/IJGAE/S/vol_issue.php?abc1=12 . | ISSN (online): 2348-0254. | 1.93 |
| 18. | Kavitha S, PackiaLincy M, Mary Jelastin Kala S, Mohan V R* | GC-MS analysis of ethanolic extract of Nothapodytesnimmoniana (Graham) Mabb. leaves | Malaya Journal of Biosciences | 2014, 2(1):42-49 | 4.536 |
| 19. | S. Mary Jelastin Kala, P.S. Tresina ,V.R. Mohan* | Antifertility investigations on the ethanol extract of eugeniasingampattianaBedd leaf in male albino rats | International Journal of Pharmaceutical Sciences and Research | 2014; Vol. 5(7): 2991- 2998. | 2.60 |
| 20. | Soosaimichael Mary Jelastin Kala, Pious SorisTresina, VeerabahuRamasamy Mohan | Hepatoprotective Effect of Eugenia singampattianaBedd Leaf Extract on Carbon Tetrachloride Induced Jaundice | International Journal of Pharmaceutical Sciences Review and Research | 21(1), Jul – Aug 2013; 08, 41-45 | 0.65 |
| 21. | S. Mary Jelastin Kala, P.S. Tresina V.R. Mohan | Evaluation of anti- inflammatory activity of Eugenia singampattianaBedd leaf | International journal of advanced research | (2013), Volume 1, Issue 6, 248-251 | 5.336 |
| 22. | James BalganAnand D., Mary Jelastin Kala S. | Spatial Heavy Metal Distribution Status in the Coastal Sediments along South East Coast of India. | http://www.theijst.com/2014-2/december-14 . | (IIFS) ISSN (online) 2321- 919X. | 1.002 |
| 23. | James BalganAnand D., Mary Jelastin Kala S | Seasonal Distribution of Heavy Metals in the Coastal Waters and Sediments along the Major Zones of South East Coast of India | http://www.isca.in/IJENS/v4i2.php . | SJIF 2012:.ISSN (online): 2319 – 1414. | 3.116 |
| 24. | Mary Jelastinkala.S, | Gc-ms determination of bioactive components of | International Journal of Pharma | Vol 3/Issue 1/Jan – | 0.36 |

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|-----|--|--|---|---|-------|
| | Tresinasoris. P, Mohan.V.R | eugeniaflocossabedd. (myrtaceae) | and Bio Sciences | Mar 2012 | |
| 25. | Mary Jelastin Kala S, Tresina P.S., Mohan V.R.* | Antioxidant, Antihyperlipidaemic and Antidiabetic Activity of Eugenia FloccosaBedd Leaves in Alloxan Induced Diabetic Rats | Journal of Basic and Clinical Pharmacy | Vol-003 Issue-001 February 2012 | |
| 26. | S. Mary Jelastin kala, P.S.Tresina, V.R. mohan | Antioxidant, antihyperlipidaemic and antidiabetic activity of eugeniasingampattianabedd leaves in alloxan induced diabetic rats | International Journal of Pharmacy and Pharmaceutical Sciences | Vol 4, Suppl 3, 2012 | 1.78 |
| 27. | P.S.Tresina, S. Mary Jelastin Kala V.R.Mohan* | HPTLC finger print analysis of phytocompounds and in vitro antioxidant activity of Eugenia singampattianaBedd. | Journal of Applied Pharmaceutical Science | Vol. 2 (12), pp. 112- 124, December, 2012 | 3.537 |
| 28. | Tresina, P.S., Mary Jelastin Kala, S Mohan, V.R. | HPTLC finger print analysis of phytocompounds and in vitro antioxidant activity of eugeniafloccosabedd. | Bioscience Discovery | 3(3): 296- 311, Nov. 2012 | 0.675 |