

## BIODATA



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### Educational qualification

S. No.	Degree	University/College	Class/Grade	Year of passing
1.	B.Sc. (Physics)	Queen Mary's College Chennai	II <sup>nd</sup> class	2003
2.	M.Sc. (Physics)	Shrimati Indira Gandhi College Tiruchirappalli	1 <sup>st</sup> class	2009
3.	B.Ed. (Education)	Narareth College of Education for women, Chennai	1 <sup>st</sup> class	2007
4.	M.Phil. (Physics)	Urumu Dhanalakshmi College Tiruchirappalli	1 <sup>st</sup> class	2010
5.	Ph.D. (Physics)	Bharathidasan University (Periyar E.V.R. College, Tiruchirappalli)		2017

### Area of research

- Antioxidant stability of oil
- Thin film Deposition and Characterization.

## Ph.D Programme

Thesis submitted to Bharathidasan University entitled “*Deposition and characterization of metal (Pb/Sn) doped CdS thin films through chemical bath method*”

## M.Phil Programme

Entitled “*Study of Adulteration in olive oil using ultrasonic and spectroscopic methods*”

## M.Sc Programme

Entitled “*A study of antioxidant stability in edible oil using physical parameters*”

## List of Publications

1. **A. Angelin Prema**, R. John Xavier, P. Arockia Sahayaraj, C. Pragathiswaran and V. Dharmalingam, Characterization of cadmium sulfide thin film grown by chemical bath deposition technique with SEM, XRD, EDAX and AFM analysis, Der Pharma Chemica, 8(4), 2016, 96-100.
2. **A. Angelin Prema**, R. John Xavier, P. Arockia Sahayaraj, C. Pragathiswaran, A. John Amalraj, V. Dharmalingam, Influence of Ammonia Concentration on Optical, Structural and Electrical Properties of CdS Thin Films Grown by CBD Method, Der Pharma Chemica, 9(5), 2017, 92-97.
3. **A. Angelin Prema**, R. John Xavier, P. Arockia Sahayaraj, C. Pragathiswaran, A. John Amalraj, V. Dharmalingam, A. Imayavalli, Effect of Ammonia concentration on structural and optical properties of CdS thin films prepared by CBD method, International Journal of ChemTech Research, 10(3), 2017, 714-722.
4. V. Dharmalingam, P. Arockia Sahayaraj, A. John Amalraj, **A. Angelin Prema**, Poly (acrylic acid) and as effective Potassium Sodium Tartrate inhibitors for mild steel in aqueous environment, Journal of advanced Electrochemistry, 2(1), 2016, 37-41.
5. V. Dharmalingam, P. Arockia Sahayaraj, A. John Amalraj, **A. Angelin Prema**, S. Rajendran, Electrochemical Study and Spectroscopic Methods used for Self Assembling Nanofilm Formed by Polyacrylic Acid on Mild Steel in Aqueous Environment, Asian Journal of Research in Chemistry, 9(1), 2016, 40-46.
6. S. Ramanan, P. Arockia Sahayaraj, **A. Angelin Prema**, Fabrication and Anti-cancer Activity of Natural Ingredient/Extract Loaded Polycaprolactone (PCL) Nanofibres Enhanced by plasma Treatment, Nano science and Nanotechnology Letters, 8, 2016, 1-7.

7. J.Gowri, P. Arockia Sahayaraj A.Sheik Dawood and **A.Angelin prema**. Evaluation of phytochemical qualitative and quantitative Analysis of *Sphenoclea Zeylanica*, world journal of pharmacy and pharmaceutical Sciences, Vol.5 (4), 2016, 1637-1646.
8. P. Arockia Sahayaraj, V. Dharmalingam, R. Shobana, J. Gowri, **A. Angelin Prema**, A. John Amalraj, Concentration of Lead in Paddy Straw, Soil, Hair and Milk of Cows in Tiruchirappalli District, International Journal of Nano Corrosion Science and Engineering, 2(5), 2015, 413-421.
9. P. Arockia Sahayaraj, J. Gowri, V. Dharmalingam, R. Shobana, **A. Angelin Prema**, Phyto-chemical screening by FT-IR spectroscopic analysis of leaf and stem Extracts of *Wedelia Biflora*, International Journal of Nano Corrosion Science and Engineering, 2(5), 2015, 322-334.
10. P. Arockia Sahayaraj, R. Shobana, V. Dharmalingam, R. Soruba, **A. Angelin Prema**, Isothermal, Kinetics and thermodynamic study of Copper (II) removal from aqueous solution using Activated *Kigelia Pinnata* fruit carbon, International Journal of Nano Corrosion Science and Engineering, 2(5), 2015, 429-446.
11. R. John Xavier, **A. Angelin Prema**, P. Arockia Sahayaraj, C. Pragathiswaran and V. Dharmalingam, The properties of chemical bath deposited cadmium sulfide thin films with the effect of ammonia salt concentration, Advances in Applied Science Research, 7(2), 2016, 178-182.
12. S. Rubalya valantina, P.Arockia sahayaraj, and **A. Angelin Prema**, Antioxidant stability in plam and rice bran oil simple parameters, Rasayan Journal of chemistry vol.2 No.4 Oct-Dec (2009)
13. A. Sharmila **A.Angelin Prema** and P. Arockia Sahayaraj, Influence of *Murraya Koenigi* (curry leaves) extract on the corrosion inhibition of carbon steel in HCl solution'', Rasayan Journal of chemistry vol.2 No.2 oct-Dec(2009)
14. A. Imayavallia, **A. Angelin Prema**, R. John Xavier, P. Arockia Sahayaraj, A. John Amalraj, Preparation and characterization of chemically deposited Al doped CdS film with 0.5 N of NH<sub>3</sub>, Int J Nano Corr Sci and Engg 3(4) (2016) 724-734.
15. A. Angelin prema, N. Manimaran, P.Arockiasahayaraj, C.Pragatjiswaran, A.Sheik Dawood, Structural properties of lead doped Cds thin films prepared with different concentration of ammonia by chemical bath deposition. (IJRAR November 2018 vol 5, issue 4 )E-ISSN 2348-1269, P-ISSN2349-5138
16. A. Angelin prema, N. Manimaran, P.Arockiasahayaraj, C.Pragatjiswaran, A.Sheik Dawood, Optical and electrical properties of lead doped Cds thin films prepared with different concentration of ammonia by chemical bath deposition (IJRAR December 2018 vol5, issue 4 )E-ISSN 2348-1269, P-ISSN2349-5138

**Seminar and workshops attended**

1. Rubalya valantina, S. Malini, **Angelin Prema.A** and Vidhya .S (2009) Determination of thermal degradation in groundnut oil National Seminar on advances in Materials Science NSAMS-2009. Department of Physics Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, March 16-17, 2009.
2. Rubalya Valantina.S, **Angelin Prema.A** and Ragamathunnisa.M (2009) study of antioxidant stability in palm and rice bran oil using physical parameters. National seminar on Advances in Materials Science NSAMS-2009, Department on physics Manonmaniam Sundaranar University. Tirunelveli. Tamil Nadu. March 16-17, 2009.
3. Rubalya Valantina.S, **Angelin Prema.A** and Ragamathunnisa.M (2009) study of antioxidant *stability in* edible oil using physical parameters. State Level Seminar on Recent Advances in Chemistry SLSRAC-2009. Post Graduate Department of Chemistry, Periyar E.V.R. College. Trichy-23, Tamil Nadu. March 16-17.2009.
4. **A.Angelin prema**, “National seminar on New Perspectives in science and technology”, Structural, optical and photo luminescence properties of Lead doped CdS thin film deposited using chemical bath method (NPST-2016), organized by Department of Chemistry on 07<sup>th</sup> October 2016.

## Declaration

I hereby declare that the statements in the applications are true to the best of my knowledge and belief.

A. Angelin Prema