

# RESUME



**Name: Dr. D. Prem Anand**

**Designation: Associate Professor & Dean of Research and UGC Affairs**

**Department: Physics**

**Address : Plot 30, Narasimmapuram, Kakalur, Tiruvellore,  
Tiruvellore District, Tamilnadu - 602001**

## PERSONAL DETAILS

Date of Birth : 22.11.1974

Qualification : M.Sc., M.Phil., Ph.D.,

Designation : Associate Professor & Dean of Research and UGC Affairs

Department : Physics

Community : BC

Religion : R.C. Christian

Nationality : INDIAN

Mobile : +91 9994292586

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## ACADEMIC QUALIFICATIONS

| Degree  | Specialization | College                              | University           | Year of Passing |
|---------|----------------|--------------------------------------|----------------------|-----------------|
| B.Sc.   | Physics        | Loyola College (Autonomous), Chennai | University of Madras | 1994            |
| M.Sc.   | Physics        | Loyola College (Autonomous), Chennai | University of Madras | 1996            |
| M.Phil. | Physics        | Loyola College (Autonomous), Chennai | University of Madras | 2001            |
| Ph.D.   | Physics        | Loyola College (Autonomous), Chennai | University of Madras | 2006            |

## ACADEMIC IDENTITY

|                            |   |
|----------------------------|---|
| *VIDWAN ID                 | <a href="https://vidwan.inflibnet.ac.in/profile/347869">https://vidwan.inflibnet.ac.in/profile/347869</a> |
| *ORCID ID                  | <a href="https://orcid.org/0000-0002-2488-6884">https://orcid.org/0000-0002-2488-6884</a>                 |
| *SCOPUS ID                 | 54881896300   |
| *RESEARCHER ID/ PUBLONS ID |   |
| GOOGLE SCHOLAR LINK        |   |

## TEACHING EXPERIENCE

|                     |   |
|---------------------|---|
| Date of Appointment | 22.10.2007                                    |
| Date of Retirement  | 21.10.2034                                    |
| Teaching Experience | UG - 20 Years, PG – 10 Years, MPhil – 7 Years |
| Research            | Guided Ph D: 14, Guiding PhD Scholar: 4       |

| COURSES/CLASSES TAUGHT | NAME OF THE INSTITUTIONS | DURATION |           | Years |
|------------------------|--------------------------|----------|-----------|-------|
|                        |                          | From     | To        |       |
| B.Sc., M.Sc.,          | St. Xavier,s College     | 2007     | Till Date | 15    |
| B.Sc., M.Sc., MPhil.,  | Loyola College, Chennai  | 2001     | 2006      | 5     |

| <b>ADMINISTRATIVE EXPERIENCE</b> |                                  |                      |                  |
|----------------------------------|----------------------------------|----------------------|------------------|
| <b>S. No</b>                     | <b>DESIGNATION</b>               | <b>INSTITUTIONS</b>  | <b>YEAR</b>      |
| 1                                | HoD of Physics                   | St. Xavier's College | 2017-2022        |
| 2                                | Dean of Research and UGC Affairs | St. Xavier's College | 2023 – Till date |
|                                  |                                  |                      |                  |
|                                  |                                  |                      |                  |
|                                  |                                  |                      |                  |

| <b>MEMBERSHIP</b> |                    |                    |
|-------------------|--------------------|--------------------|
| <b>S. No</b>      | <b>Designation</b> | <b>Particulars</b> |
| 1.                |                    |                    |
| 2.                |                    |                    |
| 3.                |                    |                    |
| 4.                |                    |                    |
| 5.                |                    |                    |

| <b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )</b> |                             |                                      |                       |
|--|-----------------------------|--------------------------------------|-----------------------|
| <b>S. No</b>   | <b>Name of the Training</b> | <b>Name of the Sponsoring Agency</b> | <b>Place and Date</b> |
| 1  | Orientation Course          | Himachal Pradesh University, Shimla  | Shimla, 2009          |
| 2  | Refresher Course - 1        | Jawaharlal Nehru Univeristy, Delhi   | Delhi, 2012           |
| 3  | Refresher Course - 2        | Central University of Hyderabad      | Hyderabad, 2020       |

| <b>DETAILS OF RESEARCH WORK</b> |   |  |
|---------------------------------|---|--|
| <b>Research Stages</b>          | <b>Title of the Thesis</b>  | <b>University where the work was carried out</b> |
| M.Phil.                         | <i>Study of Physico-Chemical parameters and Processing of Oasis pure Drinking Water</i>               | Madras University                                |
| Ph.D.                           | <i>An Investigation on the growth and Characterization of Organic NLO crystals of BG, NMU and LAF</i> | Madras University                                |
|                                 |   |  |

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- **AREAS OF RESEARCH**

- Nano Materials
- Crystal Growth
- Materials Science

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| <b>RESEARCH PROJECTS CARRIED OUT</b> |  |  |                 |
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| <b>S. No</b>                         | <b>Title of the Project</b>  | <b>Name of the Funding Agency &amp; Amount</b> | <b>Duration</b> |
| 1                                    | <i>An Investigation on the growth and characterisation studies of organic Imine family of NLO crystals for photonics device Fabrication.</i> | Funded by UGC, <b>Rs. 15,80,000/-</b>          | 2011-2014       |
| 2                                    | <i>Synthesis and characterisation of MgO, CoO and TiO<sub>2</sub> nanaomaterials for optoelectronic applications</i>                         | Funded by TNSCST, <b>Rs. 2,00,000/-</b>        | 2011-2013       |
| 3                                    | <i>Studies on swift heavy ion irradiated 2-Amino 5-Nitro Pyridine single crystals adducts for laser generation.</i>                          | Funded by BRNS-DAE, <b>Rs. 16,00,000</b>       | 2013-2016       |

| <b>PUBLICATIONS</b>  |                             |  |   |                   |
|----------------------|-----------------------------|--|---|-------------------|
| <b>BOOKS</b>         | <b>BOOK CHAPTERS</b>        | <b>SCOPUS</b>  | <b>WEB OF SCIENCE</b>                         | <b>UGC LISTED</b> |
|                      |                             |  |   |                   |
| <b>OTHER INDEXED</b> | <b>AS A RESOURCE PERSON</b> | <b>PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS</b> | <b>WEBINARS, SEMINARS, WORKSHOPS ATTENDED</b> |                   |
|                      |                             |  |   |                   |

| BOOK CHAPTERS () |                    |                  |                 |
|------------------|--------------------|------------------|-----------------|
| S. No            | Title of the Paper | Name of the Book | ISSN No., Pg.No |
|                  |                    |                  |                 |
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| PUBLICATIONS: SCOPUS INDEXED JOURNALS (WEB OF SCIENCE) |  |  |  |
|--|--|--|--|
| S. No  | Title of the Paper   | Name of the Journal  | ISSN No., Volume, Issue, Impact factor & Pg. No                      |
| 1  | The role of metallic dopants on the optical and photoconductivity properties of pure and doped potassium pentaborate (KB5) single crystals.                      | <i>Materials Chemistry and Physics</i>                       | <i>Materials Chemistry and Physics</i> 84 (2004)157.                 |
| 2  | Effect of metallic substitution on the optical, mechanical and photoconducting properties of L-arginium diphosphate single crystals.                             | <i>Indian Journal of Pure and Applied Physics</i>            | <i>Indian Journal of Pure and Applied Physics</i> 43 (2005) 463.     |
| 3  | Growth and characterization of pure and aniline doped Benzoyl Glycine single crystals.   | <i>Indian Journal of Pure and Applied Physics</i>            | <i>Indian Journal of Pure and Applied Physics</i> 43 (2005) 863-868. |
| 4  | Growth, optical and thermal characterization of pure and doped (Mg <sup>2+</sup> , Cu <sup>2+</sup> , Ni <sup>2+</sup> , Ca <sup>2+</sup> ) KDP single crystals. | <i>Convergence</i> 7 (2005) 45-51.                           | <i>Convergence</i> 7 (2005) 45-51.                                   |
| 5  | Growth and characterization of semiorganic Non-linear Optical LHB single crystal.  | <i>Materials Chemistry and Physics</i> 93 (2005) 272-276.    | <i>Materials Chemistry and Physics</i> 93 (2005) 272-276.            |
| 6  | Growth and optical characterization of Cu- and Mg- substituted L-arginine di phosphate single crystals.  | <i>Journal of Crystal Growth</i> , 280 (1-2) (2005) 271-278. | <i>Journal of Crystal Growth</i> , 280 (1-2) (2005) 271-278.         |
| 7  | Growth and characterization of pure and metal doped BTZC single crystals, ,  | <i>Crystal Research Technology</i> , 41 (2006) 766-770.      | <i>Crystal Research Technology</i> , 41 (2006) 766-770.              |
| 8  | Crystal growth, optical, mechanical and electrical properties of organic NLO material $\gamma$ -glycine.,  | <i>Crystal Research Technology</i> 41 (2006) 671-677.        | <i>Crystal Research Technology</i> 41 (2006) 671-677.                |

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|----|---|---|---|
| 9  | Growth and characterization of pure, Benzophenone and Iodine doped Benzoyl Glycine single crystals.                                 | <i>Materials Chemistry and Physics</i> 97 (2006) 501-505.                 | <i>Materials Chemistry and Physics</i> 97 (2006) 501-505.                 |
| 10 | Growth and Characterization of dichloro tetrakis thiourea nickel single crystals.   | <i>Crystal Research Technology</i> 41 (2006) 1082.                        | <i>Crystal Research Technology</i> 41 (2006) 1082.                        |
| 11 | Growth and characterization of N-methyl urea single crystals.   | <i>Convergence</i> 7 (2006) 52-58.  | <i>Convergence</i> 7 (2006) 52-58.  |
| 12 | Growth and characterization of gel grown single crystals of cadmium mercury thiocyanate.  | <i>Indian Journal of Pure and Applied Physics</i> , 44 (2006) 243-247.    | <i>Indian Journal of Pure and Applied Physics</i> , 44 (2006) 243-247.    |
| 13 | Growth and Characterization of pure and acetanilide doped HA crystals.  | <i>Convergence</i> 8 (2006) 47-53.  | <i>Convergence</i> 8 (2006) 47-53.  |
| 14 | Study of optical, electrical and magnetic properties of Tetrakis thioioura nickel chloride single crystals.                         | <i>Materials and Manufacturing Processes</i> . 22 (2007) 346-350.         | <i>Materials and Manufacturing Processes</i> . 22 (2007) 346-350.         |
| 15 | Growth and characterization of a new nonlinear optical L-Histidine acetate single crystals.   | <i>Optical Materials</i> , 29 (2007) 1211-1216.                           | <i>Optical Materials</i> , 29 (2007) 1211-1216.                           |
| 16 | Growth, synthesis and spectral studies of N-phenylbenzamide NLO single crystals.  | <i>Convergence</i> 9 2007   | <i>Convergence</i> 9 2007   |
| 17 | Influence of Metallic Substitutions on the optical and mechanical properties of NLO Benzoyl Glycine crystals.                       | <i>Journal of Material Science and Technology</i> , 24 (6) 2008, 891-894. | <i>Journal of Material Science and Technology</i> , 24 (6) 2008, 891-894. |
| 18 | Photoconductivity, dielectric and thermal investigation of pure, benzophenone and iodine doped benzoyl glycine NLO single crystals. | <i>Journal of Physics and Chemistry of Solids</i> 69 (2008) 2634-2638.    | <i>Journal of Physics and Chemistry of Solids</i> 69 (2008) 2634-2638.    |
| 19 | Investigation on the mechanical, dielectric and photoconductivity properties of N-Methyl Urea NLO single crystals.                  | <i>Indian Journal of Physics</i> , 82 (10) 1-6 (2008).                    | <i>Indian Journal of Physics</i> , 82 (10) 1-6 (2008).                    |
| 20 | Dielectric and photoconductivity studies of N-phenylbenzamide, cadmium and copper doped benzoylglycine NLO single crystals.         | <i>Convergence</i> 10(1-4) (2008) 17-20                                   | <i>Convergence</i> 10(1-4) (2008) 17-20                                   |

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|----|--|--|--|
| 21 | Spectral, dielectric and thermal properties of Triketohydrindane hydrate single crystals.  | <i>Crystal Growth and Design</i> 9 (5) (2009) 2061-2064.                             | <i>Crystal Growth and Design</i> 9 (5) (2009) 2061-2064.                             |
| 22 | Growth and spectroscopic studies of L-argininum formate NLO single crystals.   | <i>Indian Journal of Pure and Applied Physics</i> 47 (2009) 332-336.                 | <i>Indian Journal of Pure and Applied Physics</i> 47 (2009) 332-336.                 |
| 23 | Growth, Spectral and Thermal Properties of Organic Nonlinear Optical Active Morpholin-4-ium-hydroxybenzoate Single Crystal.                | <i>Materials and Manufacturing Procesess</i> ,(2010) 978-981.                        | <i>Materials and Manufacturing Procesess</i> ,(2010) 978-981.                        |
| 24 | An Investigation on the Spectral and Microhardness studies of novel Morpholin-4-ium 3 carboxy-2, 3-dihydroxypropanoate NLO Single Crystal. | <i>Materials and Manufacturing Proceses</i> ,(2010) Article in press.                | <i>Materials and Manufacturing Proceses</i> ,(2010) Article in press.                |
| 25 | Synthesis, Growth and Characterization of 4-Benzeneazoaniline Single Crystal.  | <i>J. Minerals and Materials characterization and Engineering</i> 9,11(2010) 961-972 | <i>J. Minerals and Materials characterization and Engineering</i> 9,11(2010) 961-972 |
| 26 | Characterization of a newly synthesized organic non-lineart optical crystal: Benzoyl Valine.   | <i>Eur.Phys.J. Applied Physics</i> 50 (2010) 20                                      | <i>Eur.Phys.J. Applied Physics</i> 50 (2010) 20                                      |
| 27 | Synthesis, growth, optical and thermal properties of a new organic crystal semicarbazone of p-anisaldehyde (SPAS).                         | <i>Ind. J. Science &amp; Tech.</i> 3 (2010) 885-889.                                 | <i>Ind. J. Science &amp; Tech.</i> 3 (2010) 885-889.                                 |
| 28 | Studies on the Growth and Characterization of an Optoelectronic Triketohydrindane Hydrate NLO Single Crystal.                              | <i>Indian Journal of Physics</i> ,(2011), Communicated                               | <i>Indian Journal of Physics</i> ,(2011), Communicated                               |
| 29 | The influence of metallic substitution on the physico-chemical properties of 8-hydroxyquinoline NLO single crystals.                       | <i>J.Phys. Chem. Solids</i> (2011) Communicated                                      | <i>J.Phys. Chem. Solids</i> (2011) Communicated                                      |
| 30 | A facile synthesis and characterization studies of pure MgO and CD doped MgO nanocrystals for modern materials design.                     | <i>J.Nanoscience &amp;Nanotechnology</i> (2011) Communicated                         | <i>J.Nanoscience &amp;Nanotechnology</i> (2011) Communicated                         |
| 31 | One pot synthesis and characterization studies of cesium doped SnO <sub>2</sub> nanocrystals via a hydrothermal process.                   | <i>J. Material Science and Technology</i> (2011) Article in Press                    | <i>J. Material Science and Technology</i> (2011) Article in Press                    |
| 32 | Synthesis, Growth, optical transmission and TG studies of M4CDP NLO single crystals.   | <i>Eur.Phys.J. Applied Physics</i> (2011) Communicated                               | <i>Eur.Phys.J. Applied Physics</i> (2011) Communicated                               |
| 33 | An Investigation on the spectral and microhardness studies of novel M4CDP NLO single crystals.   | <i>Brazilian J. Physics</i> (2011) Communicated                                      | <i>Brazilian J. Physics</i> (2011) Communicated                                      |

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|----|---|--|--|
| 34 | Synthesis and characterization studies of cadmium doped MgO nanocrystals for optoelectronics application  | Pelagia Research Library Advances in Applied Science Research, 2011, 2 (6):131-138 | Pelagia Research Library Advances in Applied Science Research, 2011, 2 (6):131-138 |
| 35 | One Pot Synthesis and Characterization of Cesium Doped SnO <sub>2</sub> Nanocrystals via a Hydrothermal Process                                 | J. Mater. Sci. Technol., 2012, 28(1), 15-20.                                       | J. Mater. Sci. Technol., 2012, 28(1), 15-20.                                       |
| 36 | A facile hydrothermal route to synthesize novel PbI <sub>2</sub> nanorods   | J. Phys. and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400              | J. Phys. and Chem of Solids, Volume 73, Issue 11, (2012) p. 1396-1400              |
| 37 | A rapid and versatile method for solvothermal synthesis of Sb <sub>2</sub> O <sub>3</sub> nanocrystals under mild conditions                    | Applied Nanoscience (2012): 1-5  | Applied Nanoscience (2012): 1-5  |
| 38 | Morpholin-4-ium hydrogen L-tartrate monohydrate   | Acta cryst. (2012), E68, o299  | Acta cryst. (2012), E68, o299  |
| 39 | An Investigation on the Physico-chemical characterization of THH single crystals for NLO applications.  | J. Phys. & Chem. Of Solids, (2011) Communicated                                    | J. Phys. & Chem. Of Solids, (2011) Communicated                                    |
| 40 | Studies on the growth and characterization of Benzoyl Alanine NLO single crystal  | Scientia Acta Xaveriana 2(2), (2011) 61-72   | Scientia Acta Xaveriana 2(2), (2011) 61-72   |
| 41 | An investigation on the spectral and microhardness studies of novel Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal      | Scientia Acta Xaveriana 2(2), (2011) 73-80   | Scientia Acta Xaveriana 2(2), (2011) 73-80   |
| 42 | Synthesis, Growth, Optical transmission and thermogravimetric studies of Morpholin-4-ium, 3-carboxy-2,3-dihydroxy propanoate NLO Single Crystal | Scientia Acta Xaveriana 2(2), (2011) 81-90   | Scientia Acta Xaveriana 2(2), (2011) 81-90   |
| 43 | Studies on the growth and characterization of a new nonlinear opticalcopper guanidinium single crystals   | Scientia Acta Xaveriana 3(1), (2012) 11-26   | Scientia Acta Xaveriana 3(1), (2012) 11-26   |
| 44 | Synthesis and characterization studies of CdO nano rods by wet chemical method  | Scientia Acta Xaveriana 3(1), (2012) 61-66   | Scientia Acta Xaveriana 3(1), (2012) 61-66   |
| 45 | Structural and Spectral studies of Sulphamic Acid NLO single crystal  | Scientia Acta Xaveriana 3(1), (2012) 67-72   | Scientia Acta Xaveriana 3(1), (2012) 67-72   |
| 46 | Studies on the growth and characterization of Sodium 4-nitrophenolate dehydrate (S4NP) NLO single crystals                                      | Scientia Acta Xaveriana 3(1), (2012) 73-78   | Scientia Acta Xaveriana 3(1), (2012) 73-78   |
| 47 | Growth and Characterization studies of 4-Nitrophenol doped Benzoyl Glycine NLO single crystal   | Scientia Acta Xaveriana 3(1), (2012) 79-86   | Scientia Acta Xaveriana 3(1), (2012) 79-86   |
| 48 | Uniaxial Growth and Characterization studies of [(para methoxy phenyl)imino]benzene NLO crystal by Sankaranarayanan-Ramasamy Method             | Res. J. Recent Sci. 1(10), 37-44, (2012)   | Res. J. Recent Sci. 1(10), 37-44, (2012)   |



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| 49 | The influence of Benzophenone substitution on the physico-chemical characterization of 8-hydroxy Quinoline NLO single crystal                                      | J. Minerals and Materials Characterization Engineering(2012) 11(8), 769-773. | J. Minerals and Materials Characterization Engineering(2012) 11(8), 769-773. |
| 50 | Studies on the Synthesis, Growth and Characterization of([Paranitrophenyl]Imino) Benzene NLO Crystal By Sankaranarayanan-Ramasamy Method                           | <i>J. Minerals and Materials Characterization Engineering(2012)</i>          | J. Minerals and Materials Characterization Engineering(2012)                 |
| 51 | Preparation and characterization studies of nano graphene oxide  | <i>Materials Today : Proceedings</i>   |  |
| 52 | Synthesis and characterization of chitosan encapsulated nickel oxide nanoparticles modified with folic acid  | <i>Materials Today : Proceedings</i>   |  |
| 53 | Synthesis, Characterisation and Antibacterial Activity of Aluminium Oxide Nano Particles   | <i>Journal of Natural Xi'an Shiyou University, Natural Science Edition</i>   | ISSN : 1673-064X , Vol 8, Issue 14, pp 263-267                               |
| 54 | Synthesis, characterizations and Antibacterial Studies of Chromium trioxide Nanoparticles  | <i>International Journal for Modern Trends in Science and Technology</i>     | ISSN :2455 3778Vol 8 (1),pp 252-258  |
| 55 | Preparation and characterization studies of Mn <sub>3</sub> O <sub>4</sub> Nanoparticles/<br>Graphene sheet composites   | <i>Journal of Natural Xi'an Shiyou University, Natural Science Edition</i>   | ISSN : 1673-064X , Vol 17(12), pp 404-413                                    |
| 56 | Synthesis and Characterization studies of Mesostructured Chitosan coated CuO Nanoparticles with Folic Acid   | <i>Journal of Natural Xi'an Shiyou University, Natural Science Edition</i>   | ISSN : 1673-064X , Vol 17(12), pp 274-285                                    |
| 57 | Investigation on the Growth and Characterization of Silver Nitrate Doped Zinc Pottasium Phosphate Hexahydrate NLO Single Crystal                                   | <i>IJSRET</i>  | Volume 4   Issue 1   Print ISSN: 2395-1990                                   |
| 58 | Photoluminescence, Photoconductivity, Thermal, Microhardness and Dielectric Properties of Silver Nitrate Doped Potassium Zinc Phosphate Hexahydrate Single Crystal | <i>IJSRET</i>  | Volume 4   Issue 1   Print ISSN: 2395-1990                                   |
| 59 | Synthesis and Characterization Studies of Pure ZnO and Bentonite Doped ZnO Nanocrystals  | <i>Journal of Emerging Technologies and Innovative Research</i>              | Vol 8(9), ISSN 2349-5162   |

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|----|--|---|--|
| 60 | Dielectric, Microhardness and Thermal Properties of Swift Ion (Au <sup>3+</sup> ) Irradiated NLO Single Crystal: 2-Amino-5-Nitropyridinium Sulfamate (2A5NPS)  | <i>IOP Conf. Series: Materials Science and Engineering</i>                    |  |
| 61 | <u>Antibacterial Activities of Guanidine Family Single Crystals against Bacillus Subtilis and Staphylococcus Aerus</u>   | <i>Journal of Chemical, Biological and Physical Sciences</i>                  | <u>Vol 8(1), pp 46-50</u>                |
| 62 | <u>STUDY ON SECOND ORDER NONLINEAR PROPERTIES OF ORGANIC MATERIAL: GUANIDINE HYDROGEN MALEATE SINGLE CRYSTALS</u>  | <i>Journal of Chemical, Biological and Physical Sciences</i>                  |  |
| 63 | <u>Irradiation effect of Au<sup>3+</sup> on 2-amino-5-nitropyridinium sulfamate (2A5NPS) NLO single crystal</u>  | <i>AIP Conference Proceedings</i>   | <u>2270(1), 100002</u>                   |
| 64 | <u>A UV Transmittable NLO crystal Hydrofluoric Acid Mixed Sulphamic acid (FASA) : Synthesis, Growth and Characterization</u>   | <i>International Journal of Scientific Research in Science and Technology</i> |  |
| 65 | <u>Structural, Optical and Dielectric Characterization of Guanidine Acrylate (GuAcr) NLO Single Crystals</u>   | <i>Journal of Surface Science and Technology</i>                              | <u>Vol 34(3-4), pp 98-103</u>            |
| 66 | <u>Crystal growth and characterization of Au<sup>3+</sup> ion irradiated 2-amino-5-nitropyridinium hydrogen oxalate (2A5NPHO)</u>  | <i>Molecular Crystals and Liquid Crystals</i>                                 | <u>Vol 664(1) Pp 195-217</u>             |
| 67 | <u>Crystal growth and characterizations of an efficient semiorganic nonlinear optical (NLO) single crystal: 2-amino 5-nitropyridinium chloride (2A5NPCl) by assembled temperature reduction apparatus (ATR) method</u> | <i>Materials Research Innovations</i>   | <u>ISSN: 1432-8917 Vol 23(2), pp 1-6</u> |
| 68 | <u>Growth and characterization studies of an efficient semiorganic NLO single crystal: 2-Amino 5-nitropyridinium sulfamate (2A5NPS) by assembled temperature reduction (ATR) method</u>                                | <i>Optical Materials</i>  | <u>55:153-159</u>                        |
| 69 | <u>Growth and Characterization Studies of Pure and Tartaric Acid Doped Benzilic Acid Crystals</u>  | <i>Journal of Crystal Growth</i>  |  |
| 70 | <u>Growth and characterization studies of an efficient semiorganic NLO single crystal: 2-Amino 5-Nitropyridinium Dihydrogen Phosphate (2A5NPDP) by Sankaranarayanan-Ramasamy method</u>                                | <i>International Journal for Light and Electron Optics</i>                    | <u>127(2), November 2015</u>             |
| 71 | <u>Growth and characterization of l-Histidinium chloroacetate (LHCA): A new nonlinear optical material</u>   | <i>International Journal for Light</i>  | <u>127(2), October 2015</u>              |

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|    |  | <i>and Electron Optics</i>   |                                      |
| 72 | <u>Growth and Characterization studies of L-threonine phosphate (LTP) a new semiorganic NLO crystal</u>  | <i>International Journal for Light and Electron Optics</i>               | <u>126(24), Sep 2015</u>             |
| 73 | <u>The Effect of Succinic Acid on the Physico-Chemical Characterization Studies of Benzil NLO Single Crystal</u>   | <i>International Journal for Light and Electron Optics</i>               | <u>126(24), Sep 2015</u>             |
| 74 | <u>Growth and Characterization studies of a New NLO single crystal Potassium L-asparaginate</u>  | <i>International Journal for Light and Electron Optics</i>               | <u>126(23), Aug 2015</u>             |
| 75 | <u>Growth and Characterization Studies of Triphenyl Methane Single NLO Crystals</u>  | <i>International Journal of Engineering and Technical Research</i>       | <u>Vol 4(07), Jul 2015</u>           |
| 76 | <u>Crystal structure of 2-amino-5-nitropyridiniumsulfamate</u>   | <i>Crystallographic Communucations</i>                                   | <u>ISSN 2056-9890 E71, 231–233</u>   |
| 77 | <u>Synthesis, growth and characterization of nitramino sulphonic acid (NASA) NLO single crystals</u>   | <i>International Journal for Light and Electron Optics</i>               | <u>126(1), November 2014</u>         |
| 78 | <u>Investigation of the Ionic conductivity and dielectric measurements of poly (N-vinyl pyrrolidone)-sulfamic acid polymer complexes</u>                   | <i>Physica B Condensed Matter</i>  | <u>458, Nov 2014</u>                 |
| 79 | <u>Ionic conductivity studies on plasticized proton conducting solid polymer electrolyte complexes PVA - NH<sub>2</sub>SO<sub>3</sub>H-PEG</u>             | <i>International Journal of ChemTech Research</i>                        | <u>6(13):5235-5240</u>               |
| 80 | <u>Growth and characterization of a new organic nonlinear optical crystal: Vanillylideneaniline</u>  | <i>International Journal for Light and Electron Optics</i>               | <u>125(16):4295-4301</u>             |
| 81 | <u>2-Amino-5-nitro-pyridinium hydrogen oxalate</u>   | <i>Acta Crystallographica Section E: Crystallographic Communications</i> | <u>ISSN 1600-5368 E70, o473–o474</u> |
| 82 | <u>Measurement of Natural Radioactivity and Evaluation of Radiation Hazards in Coastal Sediments of East Coast of Tamilnadu using Statistical Approach</u> | <i>Journal of Taibah University for Science</i>                          | <u>8(4), Mar 2014</u>                |
| 83 | <u>A phase matchable nonlinear optical crystal salicylideneaniline: Synthesis, growth and characterization</u>   | <i>International Journal for Light and Electron Optics</i>               | <u>125(1):333-337</u>                |

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| 93 | <u>Preparation and characterization of Chitosan-Encapsulated Cobalt Oxide Nanoparticles modified with folic acid</u>  | <u>Journal of Inorganic and Organometallic Polymers and Materials</u>     | <u>Volume 33 Issue 2 Pages 555-561 Publisher Springer US</u> |
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| 95 | <u>HYDROTHERMAL SYNTHESIS AND CHARACTERIZATION STUDIES OF NANO GRAPHENE OXIDE/COPPER OXIDE (CuO) NANOCOMPOSITES SUITABLE FOR SUPERCAPACITOR APPLICATIONS</u>                            | <u>Rasayan Journal of Chemistry</u>                                       | <u>Volume 16 Issue 1</u>                                     |

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#### AS A RESOURCE PERSON

| S. No | Name of the Event        | Name of the Sponsoring Agency     | Place and Date |
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**Date: 11.03.2023**

**Name: Dr. D. Prem Anand**