

<b>PERSONAL PROFILE</b>		
Name	:	<b>Dr.K.Balasubramanian</b>
Date of Birth & Age	:	<b>01-06-1968, 48yrs</b>
Educational Qualification	:	<b>M.Sc.,Mphil.,B.Ed.,P.G.D.C.A.,Ph.D</b>
Designation	:	<b>Associate Professor</b>
Department	:	<b>Physics</b>
Date of Appointment	:	<b>24-02-1992(in Arivoli Iyakkam Vacancy) 18-06-1997</b>
Total Experience (As on June 2019)	:	<b>5+22 yrs = 27yrs</b>
Date of Retirement	:	<b>31-05-2026</b>
No.of Seminars/Conferences Attended/Paper presented	:	<b>79 ( Annexure - I)</b>
No.of papers published	:	<b>25 ( Annexure - II)</b>
No.of Major/Minor Projects	:	<b>1</b>
PhD(Registered/Completed) Title	:	<b>Completed 2012 Growth and studies of some ferroelectric crystals doped with some divalent impurities.</b>
Guide Ship	:	<b>Prist University, Thanjavur &amp;M.S.University,Tirunelveli</b>
No.of Candidates Registered	:	<b>6</b>
No.of Candidates Submitted	:	<b>---</b>
No.of Candidates Awarded	:	<b>---</b>
No.of.M.Phil.,projects completed	:	<b>8</b>
No.of.M.Phil.,projects guided	:	<b>---</b>
Doctoral Committee Member (No. of Candidates)	:	<b>4</b>
Extension Service	:	<b>(i) TDS Consultant Services to the Society. (ii) Sample Analysis (UV/FTIR/MicroHardness) to Various Academic Institutions. (iii) Create Awareness about renewable Energy Sources to the Students Community using 5KW Biomass Gasifier.</b>

Other Academic Services	:	<p><b>(i) Nominated as Coordinator for DST FIST project 2014 since 2015</b></p> <p><b>(ii) Nominated as Coordinator, IQAC from January 2019</b></p>
Any other Information	:	<p><b>(i) PG Students Scholarship has given to two first year meritorious PG Students who studied B.Sc., Physics Course in our College.</b></p> <p><b><u>Acted as</u></b></p> <p><b>(ii) Co-ordinator for DST-FIST project 2014.</b></p> <p><b>(iii) Organising Secretary for National conference on Recent Trends and Advances in Physics during 19-20 February 2015 at The M.D.T.Hindu College, Tirunelveli.</b></p> <p><b>(iv) External Examiner for M.Phil, Viva-Voce Examination on 17.08.2015 at VHNSN College, Virudhunagar.</b></p> <p><b>(v) Subject Expert in Doctoral committee Meeting for Ph.D., candidate held at Noorul Islam University, Thuckalay on 22.08.2015.</b></p> <p><b>(vi) Reviewer in the Journal of Materials Research and Innovation from December 2015 onwards. Three papers have been reviewed so far.</b></p> <p><b>(vii) Convener for State level Seminar on Nuclear Energy SSNE – 2016 in collaboration with KKNPP during 10 - 11 March 2016 at The. M.D.T.Hindu College, Trunelveli.</b></p> <p><b>(viii) Chief Invigilator for the TNPSC Examinations held on (a) 24.07.2016 F.N &amp; A.N.</b></p> <p><b>(b) 06.11.2016 F.N</b></p> <p><b>(ix) Subject Expert in Doctoral committee Meeting for Ph.D., candidate held at Noorul Islam University, Thuckalay on 09.08.2016.</b></p> <p><b>(x) Convener for State Level Intercollegiate Quiz Competition Zone 3 in collaboration with IGCAR during 12<sup>th</sup> October 2017</b></p> <p><b>(xi) Chief Examiner for UG Physics Board, Nov 2018 at Sarah Tucker College, Palayamkottai, Tirunelveli</b></p> <p><b>(xii) To Participate DST FIST Presentation Meet 2018, organised by Sanatana Dharma College on</b></p>

		<p><b>27<sup>th</sup> October 2018 at Alleppey</b></p> <p><b>(xiii) To participate Eye Donation Awareness Camp at The M.D.T.Hindu College organised by Lions Club of Sivakasi Cracker City on 06.02.2019</b></p>
Awards Received		<p>(i) Awarded with “<i>Science Enrichment Award in physics</i>” by Pearl – A foundation for Educational Excellence through Pearl foundation Educational Excellence Awards to Higher Education in India <b>2016</b></p> <p>(ii) Awarded as “<b>Dr. APJ Abdul Kalam Award for Teaching Excellence in 2017</b>” by MARINA LABS (Research &amp; Development), <b>Chennai on 21.10.2017.</b></p> <p>(iii) Awarded as “<b>Best Associate Professor Award in Physics</b>” by PEARL- A foundation for Educational Excellence Awards to Higher Education in India 2017, <b>Madurai on 10.12.2017</b></p> <p>(iv) Awarded as “<b>Best Academic Familiar Male Faculty of the Year 2018</b>” by South Indian Association of Scientists, Developers and Faculties (ASDF) Awards 2018 (SIAA Awards) on <b>07.04.2018 at Bengaluru.</b></p>
Residential Address	:	<p><b>Plot No.30,</b></p> <p><b>Sri Selva Balaji Nagar</b></p> <p><b>Salai Street, Udayarpatti</b></p>
Mobile No	:	<p><b>Tirunelveli Junction</b></p>
Email.Id	:	<p><b>9942888801</b></p> <p><b><a href="mailto:drkbmdt@gmail.com">drkbmdt@gmail.com</a></b></p>

## ANNEXURE – I

### Seminars/Conferences Attended / Presented Papers

#### **During - 2008**

1. Presented a paper entitled “Synthesis and studies of TGS crystals grown in water dispersed with CdS nanoparticles” in the National Seminar on Crystal Growth of Laser and NLO Materials (NSCGOM-2008) conducted by National College, Trichy, *25-26 September 2008*.
2. Presented a paper entitled “Studies of TGS crystals grown in water dispersed with CdS nanoparticles” in the National Conference on Nano Materials” (NCN-2008) conducted by Karunya University, Coimbatore, *17-18 October 2008*.
3. Presented a paper entitled “Characterization of CdS-ZnS nano composites Synthesized by Microwave-Assisted solution method” International Symposium for Research Scholars Metallurgy, Material Science and Engineering. (ISRS-2008) conducted by IIT, Madras, *10-12 December 2008*.

#### **During - 2009**

4. Presented a paper entitled “Characterization of Triglycine Sulphate (TGS) crystals added with CdS” in the National Seminar on Crystal Growth conducted by S.S.N.College, Kalavakkam, Chennai, *27-29 January 2009*.
5. Presented a paper entitled “XRD and Spectroscopic Studies of TGS crystals grown in water soluble CdS nano particles” National Conference on Recent Advancement and Development in Material Science (RAADIMS '09) conducted by MEPCO Engineering College, Sivakasi, *20-21 February 2009*.
6. Paper entitled “Growth and Studies of CdS added TGS” presented in International Conference on Photonics, Nanotechnology and Computer Applications (ICOPNAC-2009). *25-28 February 2009*, conducted by PRIST University, Vallam, Tanjore.
7. Paper entitled “Synthesis and XRD, FTIR, Dielectric studies of studies of TGS crystals grown in water dispersed with CdS nanoparticles” in National Seminar on Advances in Material Science (NSAMS-2009) conducted by M.S.University, Tirunelveli, *16-17 March 2009*.
8. Presented a paper in National Conference on Recent Trends in Crystal growth, Thin films and Nano-structured materials, conducted by Adithanar College of Arts and Science, Tiruchendur, *5-6 August 2009*.
9. Presented three papers in Ninth National Conference on Tamilnadu Science forum conducted by Alagappa University, Karaikudi, *11-13 September 2009*.
10. Presented a Paper entitled “Characterisation of  $Cd_{1-x}Zn_xS$  nano composite synthesized by microwave-assisted solution method” in the national conference conducted by Thiagarajar college of Engineering, Madurai, *2-4 December 2009*.

### **During - 2010**

11. Presented a Paper entitled “Synthesis and characterization of CdS nanoparticles capped with some capping agents” in the National Conference on “Recent and emerging developments in physics”, Conducted by women’s Christian college, Nagercoil, *7-9 January 2010*.
12. Presented a paper entitled “Herbs for sports injuries” in the National Conference conducted by Department of Physical Education, MDT Hindu College, Tirunelveli, on *29 January 2010*.
13. Presented a Paper entitled “Structural and optical studies of as grown Cu and Zn doped Lithium Ammonium Sulphate (LAS) crystals” in the National conference conducted by Vellore Institute of Technology on *10-12 March 2010*.
14. Presented a Paper entitled “Growth, Optical and Structural studies of as grown and cadmium sulphate doped Triglycine Sulphate (TGS) crystals” in the National conference conducted by Vellore Institute of Technology on *10 March 2010*.
15. Presented a Paper entitled “Synthesis and Characterization of CdS nanoparticles capped with Ethylene Glycol and Ethylene Diamine” in the National conference conducted by School of Physics, Alagappa University on *11 March 2010*.
16. Presented a Paper entitled “Structural and optical studies of as grown Cu and Zn doped Lithium Ammonium Sulphate (LAS) crystals” in the National conference conducted by School of Physics, Alagappa University, *11 March 2010*.
17. Presented a Paper entitled “Growth and structural studies of Cadmium Sulphate doped Triglycine Sulphate (TGS) crystals” conducted by Scott Research Forum on *13 March 2010*.
18. Presented a paper entitled “Growth and studies of Dye (Amaranth & Rhodamine) Doped TGS crystals” in National Conference conducted by Anna University, Chennai on *18 – 19 October 2010*.
19. Presented a paper entitled “Growth and studies of TGS crystals doped with somedyes” in a science conference in Tamil conducted by Iyntamil Ayvaalar Mandram, Madurai on *11<sup>th</sup> December 2010*.

### **During - 2011**

20. Presented a Paper entitled “Synthesis and structural analysis of CdS nano particle Capped with various stabilizers” in the International Conference conducted by St. Joseph’s College, Tiruchirapalli on *12-14 January 2011*.
21. Presented a paper entitled “Growth and various studies of LAS Crystals doped with copper Sulphate” in the National Conference conducted by Arignar Anna College, Aralvoymozhi on *28 -29 January 2011*.

22. Presented a paper entitled “Studies of Dye (Amaranth) doped TGS Crystals” in the National Conference, conducted by Bishop Heber College, Trichy on *14<sup>th</sup> February 2011*.
23. Presented a paper entitled “Structural and Dielectric Studies of as grown and Copper doped LAS crystals” in the XV National Seminar on Crystal growth conducted by PSN Engineering College, Tirunelveli on *23 -25 February 2011*.
24. Presented a paper entitled “Growth and Properties of Dye (Rhodamine) doped TGS crystals” in the XV National Seminar on Crystal growth conducted by PSN Engineering College, Tirunelveli on *23 -25 February 2011*.
25. Presented a paper entitled “Studies on the Spectral Behavior of Dye(RHODAMINE) Doped Triglycine Sulphate(TGS) Crystals” in National Conference on Exploring the frontiers of vibrational Spectroscopy conducted by Women’s Christian College, Nagarcoil, on *1-2 September 2011*.
26. Presented a Paper entitled “Growth and Structural studies of L-Asparagine admixed with Sodium chloride crystal” Conducted by Sadakuthulla Appa College, Palayamkottai, on *17<sup>th</sup> December 2011*.

#### **During – 2012**

27. Presented a paper entitled “Investigation of structural and optical properties of pure and copper doped lithium ammonium sulphate crystals” in **National Seminar** on Advances in Materials Science by Manonmaniam Sundaranar University, Tirunelveli, on *23–24 January 2012*.
28. Presented a Paper entitled “Growth and properties of Dye doped Triglycine Sulphate (TGS) Crystals” in **National Seminar** on Technologically Important Crystalline and Amorphous Solids (TICAS - 2012) by Kalasalingam University, Krishnankoil, on *2- 3 March 2012*.
29. Presented a Paper entitled “Influence of Dyes on the growth and properties of Triglycine Sulphate (TGS) Crystals” in **National Seminar** on Recent Trends in Crystal Growth and Nano Materials (NSCGNM- 2012) by National College (Autonomous), Tiruchirappalli, on *15 – 17 March, 2012*.
30. Presented a Paper entitled “Growth and properties of copper sulphate doped Lithium Ammonium Sulphate (LAS) crystals” in **National Seminar** on Recent Trends in Crystal Growth and Nano Materials (NSCGNM- 2012) by National college (Autonomous), Tiruchirappalli, on *15 – 17 March, 2012*.
31. Presented a Paper entitled “Growth and properties of Dye Doped Triglycine Sulphate (TGS) Crystals” in **National Seminar** on Recent Advancements In Materials Research (RAMR - 2012) by Scott Christian College (Autonomous), Nagarcoil, on *19 & 20 July 2012*.

### **During – 2013**

32. Presented a Paper entitled “Growth, Structural, Optical and Mechanical properties of Sodium Sulfanilate Dihydrate Crystals” in **National Seminar** on Recent trends in Crystal Growth & Nano Materials (NSCGNM - 2013) by National college (Autonomous), Tiruchirappalli, on *13 – 15, March 2013*.
33. Presented a Paper entitled “Effect of the addition of amino acids on the growth and properties of Triglycine Sulphate (TGS) Crystals” in **National Conference** on Innovative Trends In – Material Science ITMS – 2013 by Arignar anna college, Aralvoimozhi, on *23 – 24 August 2013*.
34. Presented a Paper entitled “Synthesis and Characterization of Pure and divalent impurities doped Triglycine Sulpho Phosphate (TGSP) Crystals” in **National Conference** on Innovative Trends In – Material Science ITMS – 2013 by Arignar anna college, Aralvoimozhi, on *23 – 24 August 2013*.

### **During – 2014**

35. Presented a Paper entitled “Investigation of the Growth, Structural, Optical and Mechanical Properties of as-grown TGS and Amino acid influenced TGS crystals” in **National Seminar** Recent Advances In Materials Science (RAMS 2014) by School of Physics, Bharathidasan University, Tiruchirappalli, on *3-4 February 2014*.
36. Presented a Paper entitled “Influence of dyes on the Growth, Structural, Optical and Mechanical properties of TGS crystal” in **National Seminar** on crystal growth (NSCG 2014) by SSN Engineering college, Chennai, on *24 – 26 February 2014*.

### **During – 2015**

37. Presented a Paper entitled “Effect of the addition of Aminoacids on the growth and properties of Triglycine Sulphate (TGS) single crystal” in **National Conference** Recent Trends and Advance in Physics (RTAP-15) conducted by The.M.D.T.Hindu College, Tirunelveli on *19-20 February 2015*.
38. Presented a Paper entitled “Effect of copper on the growth and properties of Lithium Ammonium Sulphate single crystal” in **National Conference** Recent Trends and Advance in Physics (RTAP-15) conducted by The.M.D.T.Hindu College, Tirunelveli on *19-20 February 2015*.
39. Presented a Paper entitled “Growth and Characterisation of sodium sulfanilate dehydrate single crystal” in **National Conference** Recent Trends and Advance in Physics (RTAP-15) conducted by The.M.D.T.Hindu College, Tirunelveli on *19-20 February 2015*.
40. Presented a Paper entitled “Influence of Sulphanilic acid on the growth, structural and optical properties of Triglycine Sulphate (TGS) single crystal” in **National Conference** Recent Trends and Advance in Physics (RTAP-15) conducted by The.M.D.T.Hindu College, Tirunelveli on *19-20 February 2015*.

41. Presented a Paper entitled “Growth and characterization of organic 4-Aminopyridinium oxalate single crystals” in the **International Conference** on Recent Advancements in Materials (ICRAM-15)” conducted by Anna university, Tiruchirappalli on *16<sup>th</sup> and 17<sup>th</sup> October 2015*.
42. Presented a Paper entitled “Synthesis, crystal growth and structural characterization of Lithium Fumarate semi-organic single crystals” in the **International Conference** on Recent Advancements in Materials (ICRAM-15)” conducted by Anna university, Tiruchirappalli on *16<sup>th</sup> and 17<sup>th</sup> October 2015*.

#### **During – 2016**

43. Presented a Paper entitled “Synthesis, growth and physical properties of semi-organic crystal: Potassium hydrogen malate monohydrate” in the **State Level Seminar** on Recent Trends in Material Science (RTMS-2016) conducted by Sadakathullah Appa College, Tirunelveli on *11<sup>th</sup> January 2016*.
44. Presented a Paper entitled “Growth and characterization of organic 4-Aminopyridine single crystals” in the **State Level Seminar** on Recent Trends in Material Science (RTMS-2016) conducted by Sadakathullah Appa College, Tirunelveli on *11<sup>th</sup> January 2016*.
45. Presented a Paper entitled “Growth and characterization of Sodium Sulfanilate Dihydrate (SSDH) Crystals” in the **State Level Seminar** on Recent Trends in Material Science (RTMS-2016) conducted by Sadakathullah Appa College, Tirunelveli on *11<sup>th</sup> January 2016*.
46. Presented a Paper entitled “Studies on growth, structural and optical properties of 4-Aminopyridinium oxalate single crystals” in the **State Level Seminar** on Recent Trends in Material Science (RTMS-2016) conducted by Sadakathullah Appa College, Tirunelveli on *11<sup>th</sup> January 2016*.
47. Presented a paper entitled “Growth and characterization of pure, L-Lysine doped and L-Leucine doped TGS Crystals” in the **National Conference** on preparation and characterisation of crystalline materials (NCPCCM-16) conducted by Government Arts College, Tiruvannamalai on *4<sup>th</sup> and 5<sup>th</sup> August 2016*.
48. Presented a paper entitled “Growth and characterization of L-Ascorbic Single Crystals” in the **National Conference** on Technology Advanced Materials conducted by Muslim Arts College, Thiruvithancode on *6<sup>th</sup> September 2016*.
49. Presented a paper entitled “Growth and characterization of L-ascorbic acid single crystals” in the **State Level Seminar** on Material Science and its Application (SSMSA-2016) conducted by Sri Vijay Vidyalaya College of Arts and Science (Women), Dharmapuri on *24<sup>th</sup> September 2016*.
50. Presented a paper entitled “E-Learning Resources and its utility in Library” in **National Conference** on Modern Perspectives and strategies in Teaching Learning and Evaluation (IQAC-2016) conducted by The M.D.T.Hindu College, Tirunelveli on *30<sup>th</sup> September and 1<sup>st</sup> October 2016*.



51. Presented a paper entitled “Need and Realization of Digital Library ” in **National Conference** on Modern Perspectives and strategies in Teaching Learning and Evaluation(IQAC-2016) conducted by The M.D.T.Hindu College, Tirunelveli on *30<sup>th</sup> September and 1<sup>st</sup> October 2016*.
52. Presented a paper entitled “ Importance of Online Test and Evaluation ” in **National Conference** on Modern Perspectives and strategies in Teaching Learning and Evaluation(IQAC-2016) conducted by The M.D.T.Hindu College, Tirunelveli on *30<sup>th</sup> September and 1<sup>st</sup> October 2016*.
53. Presented a paper entitled “Acts on Innovation teaching and learning ” in **National Conference** on Modern Perspectives and strategies in Teaching Learning and Evaluation(IQAC-2016) conducted by The M.D.T.Hindu College, Tirunelveli on *30<sup>th</sup> September and 1<sup>st</sup> October 2016*.
54. Presented a paper entitled “ Structural, optical and Mechanical Studies of Pure and Magnesium doped Lithium Sulphate Monohydrate single crystals” in **National Conference** on Material for Energy Devices (NCMED 2K16) conducted by SFR College for Women – Sivakasi on *23<sup>rd</sup> & 24<sup>th</sup> November 2016*.
55. Presented a paper entitled “ Growth and Characterization of 1H-Benzimidazolium Hydrogen Tartrate Single Crystal“ in **National Conference** on Material Science and Technology Recent Trends and Future Prospects ( NCMED: RTEP-2016) conducted by Arignar Anna Govt. Arts College, Villupuram on *29<sup>th</sup> & 30<sup>th</sup> December 2016*

#### **During - 2017**

56. Presented a paper entitled “Effect of Zinc Substitution on Structural, Optical and Mechanical Properties of Ninhydrin Crystals “ in **International Conference** on Advances in Materials Science (ICAMS) conducted by Holy Cross College- Thiruchirapalli on *6<sup>th</sup> & 7<sup>th</sup> January 2017*
57. Presented a paper entitled “ Effect of Aminoacid (L-Phenylalanine) on Growth and Characterization of Potassium Hydrogen Phthalate Crystals“ in **International Conference** on Advances in Materials Science (ICAMS) conducted by Holy Cross College- Thiruchirapalli on *6<sup>th</sup> & 7<sup>th</sup> January 2017*
58. Presented a paper entitled “ Synthesis, Growth, Structural, Optical, Mechanical and Dielectric properties of an organic crystal: 1H- Benzimidazolium Hydrogen tartrate“ in **International Conference** on Advances in Materials Science (ICAMS) conducted by Holy Cross College- Thiruchirapalli on *6<sup>th</sup> & 7<sup>th</sup> January 2017*
59. Presented a paper entitled “ Effect of  $Mg^{2+}$  ions on the linear & nonlinear optical properties of undoped Lithium Sulphate Monohydrate Crystals “ in **International Workshop** on Advanced Functional Material and Devices (IWAFFMD-2017) conducted by Manonmaniam Sundranar University on *8<sup>th</sup> – 12<sup>th</sup> January 2017*.
60. Presented a paper entitled “ Comparative analysis on the properties of ZnO thin films coated using Chemical bath deposition and SILAR Method “ in **International**

**Workshop** on Advanced Functional Material and Devices (IWAFMD-2017) conducted by Manonmaniam Sundranar University on 8<sup>th</sup> – 12<sup>th</sup> January 2017.

61. Presented a paper entitled “ Growth and Characterization of Pure and L-Phenylalanine doped Potassium Hydrogen Phthalate Crystals” in **National Conference** on current Advancement in Physics (Cap-2017) conducted by St.John’s College- Tirunelveli on 3<sup>rd</sup> & 4<sup>th</sup> February 2017
62. Presented a paper entitled “ Preparation and Characterization of ZnO Thin Films by using two Different Techniques“ in **National Conference** on current Advancement in Physics (Cap-2017) conducted by St.John’s College- Tirunelveli on 3<sup>rd</sup> & 4<sup>th</sup> February 2017
63. Presented a paper entitled “ Effect of Ni<sup>2+</sup> ions on the Structural, Optical and Mechanical Properties of Ninhydrin Crystals“ in **National Conference** on current Advancement in Physics (Cap-2017) conducted by St.John’s College- Tirunelveli on 3<sup>rd</sup> & 4<sup>th</sup> February 2017
64. Presented a paper entitled “ Effect of Cu<sup>2+</sup> ions on the Linear optical properties of Undoped Lithium sulphate Monohydrate” in **National Conference** on Current Advancements in Physics (Cap-2017) conducted by St.John’s College- Tirunelveli on 3<sup>rd</sup> & 4<sup>th</sup> February 2017
65. Presented a paper entitled “ Growth, Structural, Optical, Thermal and Mechanical properties of L-Ascorbic acid single crystals” in **National Level Seminar** on Recent Advancements in materials conducted by Jamal Mohamed College, Thirichy on 15<sup>th</sup> February 2017
66. Presented a paper entitled “ Studies on Growth, Structural, Optical and Mechanical Properties of L-Tryptophan doped Potassium Hydrogen Pthalate Crystals” in **International Conference** on Advances in Biological, Chemical and Physical Sciences conducted by Anna University – BIT Campus, Thirichy on 13-15<sup>th</sup> March 2017
67. Presented a paper entitled “ Effect of L-Phenylalanine Doping on Structural, Optical, Mechanical and NLO Properties of Potassium Hydrogen Pthalate Crystals” in National Conference on Advanced Materials and its applications conducted by SFR College for Women, Sivakasi on 6-7<sup>th</sup> July 2017

#### **During 2018**

68. Presented a paper entitled “Synthesis, Growth and Physical Properties of Lithium Fumarate Semi Organic Single Crystals” conducted by Theivanai Ammal College for Women, Villupuram on 02.02.2018
69. Presented a paper entitled “Growth and characterization of oxalic acid single crystals” in **National Conference** on Recent Developments in Effective Materials “REDEEMS-2018” conducted by Sarah Tucker College, Tirunelveli on 19.02.2018

70. Presented a paper entitled “Comparative Studies of Mechanical, Thermal and Photoluminescence Properties of Solution Grown Potassium Acid Phthalate with L-Asparagine and L- Tryptophan” in **National conference** on advanced materials chemistry at the interfaces of Energy, Environment and Medicine conducted by Department of Chemistry and Pharmaceutical, M.S.University on *21-23 February 2018*
71. Presented a paper entitled “Studies on Growth, Structural, Optical and Thermal Properties of L-Asparagine Doped Potassium Hydrogen Phthalate Crystals” in **4th National Seminar** on Technologically Crystalline and Amorphous solids conducted by Department of Physics and International Research Centre, Kalasalingam University on *2- 3 March 2018*.
72. Presented a paper entitled “Influence of magnesium on the growth and characterization of Ninhydrin crystals” in **National Seminar** on Recent Trends in Materials Science “NSRTMS-2018” conducted by Sadakathullah Appa College, Tirunelveli on *09.03.2018*
73. Presented a paper entitled “Structural and Thermal Characterization of a Semi Organic NLO Material KHP Doped L-Asparagine Single Crystals” in **International Conference** on Synthetic Materials for Science and Engineering Applications conducted by M.Kumaraswamy College of Engineering, Karur on *11th April 2018*.
74. Presented a paper “Growth, Spectral, Dielectric and Thermal Properties of Potassium Hydrogen Phthalate Crystals in the Presence of Amino acid Dopants L-Leucine and L-Phenylalanine in “International Conference on Recent Trends in Multi-Disciplinary Research held at A.P.C.Mahalaxmi College for Women, Thoothukudi on 20<sup>th</sup> & 21<sup>th</sup> December 2018.
75. Presented a paper “Effect of Aluminium on Growth, Structural, Mechanical and Thermal Properties of Ninhydrin Single Crystals” in International Conference on Recent Trends in Multi-Disciplinary Research held at A.P.C.Mahalaxmi College for Women, Thoothukudi on 20<sup>th</sup> & 21<sup>th</sup> December 2018.
76. To participate State Level Workshop on PFMS with special references to EAT Modules at VHNSN College, Virudhunagar on 7<sup>th</sup> & 8<sup>th</sup> August 2018
77. To Participate IQAC organizes NAAC Reforms ‘Outcome Based Education: An overview on 14<sup>th</sup> & 15<sup>th</sup> December 2018 at V.O.Chidambaram College, Tuticorin.
78. To participate One day Sensitization Program on Revised NAAC Accreditation Framework on 29<sup>th</sup> December 2018 at Manonmaniam Sundaranar University, Tirunelveli.

### **During 2019**

79. To participate “ The capacity Building Programme on ICT Enabled Effective Institutional Governance for improving processes be compliance, ready & adapt digital transformation on 24<sup>th</sup> June 2019 organized by “M.S.University & MasterSoft ERP Solutions Pvt.Ltd” at Hotel RR INN, Tirunelveli

## **ANNEXURE – II**

### **Paper published in the journals**

1. K.Balasubramanian et al., “Growth, Spectral Studies, Thermal and NLO Aspects of L- Asparagine Doped KHP Crystals” International Journal of Interdisciplinary Research and Innovations (IJIRI), Volume 6, Issue 3, P.No.350-356 (July-September 2018)
2. K.Balasubramanian et al., “Comparative Study of Mechanical, Dielectric and Thermal Properties of Solution Grown NLO Crystal Potassium Acid Phthalate doped with L- Phenylalanine and L-Tryptophan” International Journal of Scientific Research in Science, Engineering And Technology (IJSRSET), Volume-4, Issue 4, (March-April 2018).
3. K.Balasubramanian et al., ‘Studies on Various Properties of Undoped and L– Tryptophan Doped Potassium Hydrogen Phthalate” International Journal of Research in Applied Science and Engineering Technology, Volume-6, Issue II, February 2018.
4. K.Balasubramanian et al., “Growth, Structural, Optical and Mechanical Properties of oxalic acid single crystals” International Journal of Science , Engineering and Management (IJSEM), Vol 2, Issue 12, December 2017 .
5. K.Balasubramanian et al., “ Effect of  $\text{Ni}^{2+}$ - ions on the Structural, Optical and Mechanical Properties of Ninhydrin Crystals” IOSR Journal of Applied Physics (IOSR-JAP), ( February 2017) 19-25 (ISSN: 2278-4861/ PIF=3.15)
6. K.Balasubramanian et al., “ Effect of  $\text{Cu}^{2+}$  ions on the Linear optical properties of Undoped Lithium sulphate Monohydrate” IOSR Journal of Applied Physics (IOSR-JAP) ( February 2017) 105-108 (ISSN: 2278-4861/ PIF=3.15)
7. K.Balasubramanian et al., “ Preparation and Characterization of ZnO Thin Films by using two different Techniques” IOSR Journal of Applied Physics (IOSR-JAP) ( February 2017) 42-44 (ISSN: 2278-4861/ PIF=3.15)
8. K.Balasubramanian et al., “ Growth and Characterization of Pure and L- Phenylalanine doped Potassium Hydrogen Phthalate Crystals ” IOSR Journal of Applied Physics (IOSR-JAP) ( February 2017) 109-112 (ISSN: 2278-4861/ PIF=3.15)
9. K.Balasubramanian et al., “ Growth and Characterization of Pure and Amino acid doped KHP Crystals” International Journal of Latest Research in Engineering and Technology (IJLRET), ( November 2016) 64-64 (ISSN: 2454-5031/ PIF= 2.265)
10. K.Balasubramanian et al., “ Growth and characterization of pure and metal doped ninhydrin single crystals “International Journal of Latest Research in Engineering and Technology (IJLRET), ( November 2016) 100-113 (ISSN: 2454-5031/ PIF= 2.265)
11. K.Balasubramanian et al., “Growth and characterization of organic 4-Aminopyridinium oxalate single crystals” Journal of Chemical and Pharmaceutical Sciences (JCPS), 9, (2016)129-131 (ISSN: 0974-2115)

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