

Mrs.H.SIRAJNISHA

Assistant Professor,
Department of Physics,
Bishop Heber College,
Tiruchirappalli - 17.

E-mail : shiraj_habe@yahoo.co.in

Phone : 9994858921

Web:

Qualification

Degree	Branch	Institution / University	Year of Passing
M.Phil	Physics	Bharathidasan	2008
M.Sc	Physics	Bharathidasan	2006
B.Sc	Physics	Bharathidasan	2004

Ph.D. Details

Title of Thesis	Area of Specialization	Year of Award
Synthesis and Characterization of Hydroxyapatite Nanopowders and its Composites for Biomedical Applications	Nanomaterials	
Research Supervisor	Research Centre	
Dr.T.Balakrishnan	Periyar EVR College	

Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDCA	Bishop Heber College	2008	1 year

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Puthur, Trichy - 620017	Assistant Professor	21/6/2007	Till Dated
Periyar EVR College	Trichy	Guest Lecturer	5/9/2005	20/6/2006

Teaching / Research Experience

U.G. : 16 P.G. : 16 M.Phil. 5 Ph.D.

Table of Contents

1.	Conferences / workshops / Seminars Attended	84
2.	Research Papers Presented	26
3.	Publication in Journals	4
4.	Publication in Books	2
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	1
8.	Resource Person	0
9.	Consultancy	0
10.	Awards Recieved	1
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

1. International level Conference on **"ICFMEEBEA 2022"** sponsored by - organized by Bishop Heber College at BHC during 04/05/2022 to 06/05/2022.
2. International level Seminar on **"Seminar on Challenges and opportunities in Advanced Materials"** sponsored by Government Arts College, Trichy organized by Government Arts College at Trichy during 14/07/2021 to 14/07/2021.
3. International level Seminar on **"International level Seminar on Innovative Research in Chemical Sciences"** sponsored by Government Arts College, Trichy organized by Government Arts College at Trichy during 10/07/2021 to 01/01/1900.
4. National level Orientation on **"National level orientation on Problem Solving in Quantum Physics"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 23/06/2021 to 24/06/2021.
5. International level Seminar on **"International Webinar on Recent Trends in Physics"** sponsored by St Josephs College organized by St Josephs College at Chennai during 12/07/2020 to 01/01/1900.
6. National level Workshop on **"Technologies for the exploration of the inner space"** sponsored by SRM Institute of Science and Technology organized by SRM Institute of Science and Technology at Chennai during 11/07/2020 to 01/01/1900.
7. International level Seminar on **"Raman Spectroscopy Basics Instrumentation and Applications"** sponsored by Renishaw and Lab India Instruments organized by Sathyabama Institute of Science and Technology at Chennai during 02/07/2020 to 03/07/2020.
8. National level Seminar on **"Beauty of Physics in Engineering and Technology"** sponsored by SCAD Polytechnique College organized by SCAD Polytechnique College at Cheranmahadevi during 23/06/2020 to 01/01/1900.
9. International level Conference on **"International virtual conference on Photovoltaics and Material Science"** sponsored by Vellore Institute of technology organized by Vellore Institute of technology at Vellore during 23/06/2020 to 01/01/1900.
10. International level Seminar on **"International Webinar on Rectangular Tunnel Boring Machine"** sponsored by EGS Pillay Engineering College organized by EGS Pillay Engineering College at Nagapattinam during 14/06/2020 to 01/01/1900.
11. National level Orientation on **"Faculty Development Programme on Future Examinations Blooms Taxonomy and multiple assessment tools"** sponsored by G.T.N Arts College organized by G.T.N Arts College at Dindigul during 08/06/2020 to 01/01/1900.
12. National level Seminar on **"How to Shoot Better Photos"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 02/06/2020 to 01/01/1900.
13. State level Orientation on **"An online training programme for CSIR-NET exam in physical sciences"** sponsored by Nil organized by Pg & Research dept of physics, BHC at Trichy during 02/06/2020 to 05/06/2020.
14. National level Seminar on **"Additive Manufacturing and Its Applications"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 30/05/2020 to 01/01/1900.
15. National level Seminar on **"Industry 4.0 and Augmented Reality"** sponsored by MECON association SAEKRCT Collegiate Club organized by K.Ramakrishnan College of Technology at Trichy during 29/05/2020 to 01/01/1900.
16. National level Seminar on **"Global Oppurtunities in Space Exploration and Research"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 29/05/2020 to 01/01/1900.
17. National level Seminar on **"Moodle LMS Install, Create class, Add content and Enroll students"** sponsored by Ethiraj College and Enroll students organized by Ethiraj College and Enroll students at Chennai during 28/05/2020 to 01/01/1900.

18. National level Seminar on **"Future of Automotive Technology"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 28/05/2020 to 01/01/1900.
19. International level Seminar on **"Passive and Active Hyperbolic Metamaterials"** sponsored by SRM Institute of Science and Technology organized by SRM Institute of Science and Technology at Chennai during 26/05/2020 to 01/01/1900.
20. National level Seminar on **"3D Printing"** sponsored by MECON association SAEKRCT Collegiate Club organized by K.Ramakrishnan College of Technology at Trichy during 22/05/2020 to 01/01/1900.
21. College level Seminar on **"Webinar on Unlocking Online Evaluation"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 22/05/2020 to 01/01/1900.
22. College level Seminar on **"Webinar on Online Teaching : The New Norm"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 21/05/2020 to 01/01/1900.
23. National level Seminar on **"Emerging Technologies Redefining Automotive Industry"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Chennai during 21/05/2020 to 01/01/1900.
24. National level Seminar on **"Application of Space Technology in our Day Today Life"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 19/05/2020 to 01/01/1900.
25. National level Seminar on **"International Day of Light"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 16/05/2020 to 01/01/1900.
26. National level Workshop on **"NET/SET Workshop and Quiz"** sponsored by Sahyadri Shikshan Seva Mandals Arts and Commerce College organized by Sahyadri Shikshan Seva Mandals Arts and Commerce College at Juchandra Naigaon East Palghar during 16/05/2020 to 01/01/1900.
27. National level Seminar on **"How to Fast Track Your Operations in the Time of Social Distancing"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 14/05/2020 to 01/01/1900.
28. National level Seminar on **"Micro and Nanotechnology and its Applications"** sponsored by G.T.N Arts College organized by G.T.N Arts College at Dindigul during 14/05/2020 to 01/01/1900.
29. National level Seminar on **"Industrial Applications of Artificial Intelligence"** sponsored by Sri Venkateswaraa College Of Technology organized by Sri Venkateswaraa College Of Technology at Sriperumbuthur during 13/05/2020 to 01/01/1900.
30. National level Seminar on **"Assessment and Evaluation in Outcome Based Education"** sponsored by G.T.N Arts College organized by G.T.N Arts College at Dindigul during 11/05/2020 to 01/01/1900.
31. National level Seminar on **"Crystallography and Its Applications"** sponsored by Er Perumal Manimekalai College of Engineering organized by Er Perumal Manimekalai College of Engineering at Chennai during 08/05/2020 to 01/01/1900.
32. National level Workshop on **"Reviewing literature"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at during 07/05/2020 to 01/01/1900.
33. National level Workshop on **"Workshop On Research Methodology"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at during 06/05/2020 to 01/01/1900.
34. National level Workshop on **"Ethics in Research"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at during 05/05/2020 to 01/01/1900.

35. National level Workshop on **"Problem Identification in Research"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at during 04/05/2020 to 01/01/1900.
36. National level Workshop on **"Spectroscopy Techniques"** sponsored by Immaculate College for Women organized by at Kallakurichi during 30/04/2020 to 01/01/1900.
37. National level Orientation on **"Faculty Development Programme"** sponsored by University of Delhi organized by Ramanujan College University of Delhi at Delhi during 24/04/2020 to 06/05/2020.
38. National level Seminar on **"Popularization of Solar Energy and Materials for Solar Cell"** sponsored by TNSCST, NCST organized by Periyar EVR College at Trichy during 31/01/2020 to 31/01/2020.
39. International level Conference on **"ICABS 2019"** sponsored by UGC, NBHM organized by Bishop Heber College at Trichy during 19/11/2019 to 21/11/2019.
40. College level Orientation on **"Faculty Enrichment Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirapalli during 15/11/2019 to 16/11/2019.
41. State level Workshop on **"Intellectual Property Rights"** sponsored by TNSCST organized by Cauvery College for Women at Trichy during 26/09/2019 to 27/09/2019.
42. College level Workshop on **"IGNITE 2019"** sponsored by DBT organized by Bishop Heber College at Trichy during 24/06/2019 to 25/06/2019.
43. College level Orientation on **"Faculty Recharging Programme"** sponsored by IQAC, BHC organized by IQAC, BHC at Trichy during 12/06/2019 to 01/01/1900.
44. College level Orientation on **"FDP 2019"** sponsored by DBT organized by Bishop Heber College at Trichy during 06/06/2019 to 08/06/2019.
45. International level Conference on **"ICANEH 2019"** sponsored by Swansea University, United Kingdom organized by Bishop Heber College at Tiruchirapalli during 04/02/2019 to 06/02/2019.
46. International level Conference on **"ICONN 2019"** sponsored by Shizuoka University- Japan, NCTU-TAIWAN, GNS-New Zealand organized by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY at Kattankulathur, Chennai during 28/01/2019 to 30/01/2019.
47. National level Workshop on **"Faculty Development programme"** sponsored by UGC organized by IQAC, BHC at TIRUCHIRAPPALLI during 28/07/2018 to 28/07/2018.
48. National level Workshop on **"Faculty Development Programme in Experimental Physics"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 12/02/2018 to 13/02/2018.
49. International level Conference on **"International Conference on Material Physics (ICOMP - 2018)"** sponsored by UGC organized by Bishop Heber College at Trichy during 29/01/2018 to 29/01/2018.
50. -1 level Conference on **"INTERNATIONAL CONFERENCE ON MATERIAL PHYSICS ICOMP - 2018"** sponsored by UGC organized by BISHOP HEBER COLLEGE at TIRUCHIRAPPALLI during 29/01/2018 to 29/01/2018.
51. International level Conference on **"International Conference on Biological Applications of Nanoparticles (ICON - BIO 2017)"** sponsored by MagGenome, Charusat, BioEngineering, eppendorf organized by IIT Madras at Chennai during 04/12/2017 to 05/12/2017.

52. International level Conference on **"International Conference on Advanced Materials science(ICAMS-2017)"** sponsored by Holy Cross College organized by Holy Cross College at Trichy during 06/01/2017 to 07/01/2017.
53. National level Conference on **"2nd National Conference on Nanophotonics"** sponsored by Bharathidasan university organized by Bharathidasan university at Trichy during 18/03/2016 to 19/03/2016.
54. International level Conference on **"International Conference on Frontiers in Nanoscience & Nanotechnology (ICFNN - 2015)"** sponsored by Centre for Nanotechnology & Advanced Biomaterials Sastra University organized by Centre for Nanotechnology & Advanced Biomaterials Sastra University at Tanjore during 26/02/2016 to 28/02/2016.
55. State level Orientation on **" Faculty Enrichment Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 18/02/2016 to 19/02/2016.
56. State level Orientation on **" Faculty Development Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 27/10/2015 to 27/10/2015.
57. International level Conference on **"International Conference on Advancements in Micro/Nanotechnologies for Biomedical Applications (ICAMB - 2015)"** sponsored by PSG College of Engineering organized by PSG College of Engineering at Coimbatore during 07/08/2015 to 08/08/2015.
58. National level Summer School on **"Summer Research Training Programme (SRTP - 2015)"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 11/05/2015 to 18/05/2015.
59. National level Conference on **"National Conference on Advanced Materials for Energy Conservation and Environmental Applications (AMEEA - 2015)"** sponsored by Bharathiar University organized by Bharathiar University at Coimbatore during 18/03/2015 to 20/03/2015.
60. National level Conference on **"National Conference on Recent Trends in Physics of Materials (NCRTPM - 2015)"** sponsored by Pachaiyappa's College organized by Pachaiyappa's College at Chennai during 28/02/2015 to 28/02/2015.
61. National level Conference on **"Recent Trends in Advanced Materials Science (RAMS - 2015)"** sponsored by Periyar E.V.R. College organized by Periyar E.V.R. College at Trichy during 11/02/2015 to 11/02/2015.
62. National level Conference on **"NCAM - 2015"** sponsored by St.Josephs College organized by St.Josephs College at Trichy during 06/02/2015 to 06/02/2015.
63. Regional level Workshop on **" Advancements in crystalline materials"** sponsored by NIT organized by NIT at Trichy during 05/11/2014 to 05/11/2014.
64. National level Seminar on **"National Seminar on Advances in Materials Science"** sponsored by Manonmaniam Sundaranar University organized by Manonmaniam Sundaranar University at Tirunelveli during 29/09/2014 to 30/09/2014.
65. Regional level Workshop on **"Workshop on elemental,compound and phase analysis by XRD"** sponsored by NIT organized by NIT at Trichy during 19/09/2014 to 20/09/2014.
66. National level Conference on **"National Conference on Nano Photonics"** sponsored by Bharathidasan University organized by Bharathidasan University at Trichy during 06/03/2014 to 07/03/2014.
67. National level Workshop on **"Lecture Workshop on Nonlinear physics"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 23/01/2014 to 25/01/2014.
68. National level Conference on **"NCFTAM - 2013"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 11/03/2013 to 11/03/2013.

69. Regional level Workshop on **"Capacity Building Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 25/02/2012 to 25/02/2012.
70. Regional level Workshop on **"Examination Reforms and Evaluation"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 11/03/2011 to 12/03/2012.
71. National level Conference on **"National conference on perspectives in laser, optics, spectroscopy and nano science"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 14/02/2011 to 14/02/2011.
72. Regional level Seminar on **"Advances in Spectroscopic Techniques"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 07/09/2010 to 07/09/2010.
73. National level Conference on **"Nanomaterials for energy conversion and conservation"** sponsored by UGC organized by Bishop Heber College at Trichy during 26/03/2009 to 26/03/2009.
74. National level Seminar on **"Seminar on Director dynamics in nematic liquid crystals"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 28/02/2009 to 01/01/1900.
75. State level Seminar on **"Cryogenics and its applications"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 29/01/2009 to 29/01/2009.
76. State level Workshop on **"Workshop on Stochastic Differential equations"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 23/01/2009 to 24/01/2009.
77. State level Workshop on **"Faculty Development Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 12/06/2008 to 13/06/2008.
78. National level Conference on **"National conference on nanomaterials"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 22/02/2008 to 22/02/2008.
79. National level Workshop on **"Lecture Workshop on Frontier Topics in physics"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 04/02/2008 to 05/02/2008.
80. National level Conference on **"Recent Trends in chemistry"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 12/10/2007 to 12/10/2007.
81. National level Seminar on **"Recent Advances in Thin Film Technology"** sponsored by Jamal Mohammed College organized by Jamal Mohammed College at Trichy during 28/09/2005 to 28/09/2005.
82. -1 level Conference on **"Recent Advances in Materials Sciences"** sponsored by organized by at during 01/01/1900 to 01/01/1900.
84. -1 level Conference on **"International e-Conference on Advancements in Materials science and Technology(iCAM 2020)"** sponsored by organized by at during 01/01/1900 to 01/01/1900.

1. **"Cationic and Anionic substitutions in the antibacterial and biocompatibility properties of sol-gel derived hydroxyapatite nanocomposites"** in the International conference on *ICFMEEBA 2022* sponsored by , organized by Bishop Heber College at Trichy during 04/05/2022 to 06/05/2022.
2. **"Enhanced Biological and Mechanical properties of sol-gel derived HAp-Ti-rGO nanocomposites"** in the International conference on *International e-Conference on advancements in Materials Science and Technology (iCAM 2020)* sponsored by , organized by Sathyabama Institute of Science and Technology at Chennai during 23/11/2020 to 25/11/2020.
3. **"A comparative study of sol-gel synthesized hydroxyapatite nano composites for bone implant applications"** in the International conference on *ICABS 2019* sponsored by Bishop Heber College, organized by Bishop Heber College at Tiruchirappalli during 19/11/2019 to 21/11/2019.
4. **"Synthesis, Characterization and Biological Properties of HAp-Ti-rGO Nanocomposites"** in the International conference on *ICANEH 2019* sponsored by Swansea University,. United Kingdom, organized by Bishop Heber College at Tiruchirappalli during 04/02/2019 to 06/02/2019.
5. **"Synthesis, Characterization and Biological Properties of HAp-Zn-GO Nanocomposites"** in the International conference on *ICONN 2019* sponsored by Shizuoka University-Japan, NCTU-TAIWAN, GNS-NEW ZEALAND, organized by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY at Kattankulathur, Chennai during 28/01/2019 to 30/01/2019.
6. **"Effect of Zinc on the Biological properties of Hydroxyapatite Nanopowders"** in the International conference on *ICOMP - 2018* sponsored by UGC, organized by Bishop Heber College at Trichy during 29/01/2018 to 29/01/2018.
7. **"Structural Characterization and Biological properties of Zinc Substituted Hydroxyapatite Nanopowders by Sol Gel method"** in the International conference on *ICON - BIO 2017* sponsored by MagGenome, organized by IIT Madras at Chennai during 04/12/2017 to 05/12/2017.
8. **"Synthesis and characterization of Pure and Doped Hydroxyapatite nanopowders"** in the International conference on *ICAMS-2017* sponsored by , organized by Holy Cross college at Trichy during 06/01/2017 to 07/02/2017.
9. **"Synthesis and Characterization of Hydroxyapatite and Zinc Doped Hydroxyapatite Nanopowders with Antimicrobial Properties"** in the International conference on *ICFNN-2016* sponsored by , organized by SASTRA University at Tanjore during 26/02/2016 to 28/03/2016.
10. **"Developement of Zinc doped Hydroxyapatite Nanopowders for Bone implant applications"** in the International conference on *ICAMB-2015* sponsored by , organized by PSG College of Engineering at Coimbatore during 07/08/2015 to 08/08/2015.
11. **"Snthesis and Characterization of Zinc doped hydroxyapatite nanoparticles with antimicrobial properties"** in the Select conference on *AMEEA - 2015* sponsored by , organized by Bharathiar University at Coimbatore during 18/03/2015 to 20/03/2015.
12. **"Snthesis and Characterization of hydroxyapatite nanoparticles for biomedical Applications"** in the National conference on *NCRTPM-2015* sponsored by , organized by Pachiappas college at Chennai during 28/02/2015 to 28/02/2015.
13. **"Developement of Hydroxyapatite Nanoparticless for Biomedical applications"** in the National conference on *NCAM-2015* sponsored by , organized by St.Josephs college at Trichy during 06/02/2015 to 06/02/2015.
14. **"Synthesis of Nickel Aluminate Nano Particles by Chemical Capping Method"** in the National conference on *National Seminar on Advances in Materials Science* sponsored by , organized by Manonmaniam Sundaranar University at Tirunelveli during 29/09/2014 to 29/09/2014.

15. **"Synthesis and Characterisation of Manganese Oxide Nano powder"** in the National conference on *NCNP-2014* sponsored by UGC, DST, CSIR, organized by Bharathidasan University at Trichy during 06/03/2014 to 01/01/1900.
16. **"Synthesis and Characterisation of Aluminium Oxide Nano Powder"** in the National conference on *NCNP-2014* sponsored by UGC, DST, CSIR, organized by Bharathidasan University at Trichy during 06/03/2014 to 01/01/1900.
17. **"Chemical Capping Synthesis of Nickel Oxide and Nickel Aluminium Mixed Oxide Nano Powders"** in the National conference on *NCNP-2014* sponsored by UGC, DST, CSIR, organized by Bharathidasan University at Trichy during 06/03/2014 to 01/01/1900.
18. **"Preparation and characterisation of Flurohydroxyapatite Nanopowder by Sol Gel Method"** in the National conference on *NCFTAM - 13* sponsored by , organized by Bishop Heber College at Trichy during 11/03/2013 to 11/03/2013.
19. **"Synthesis and Characterisation of hydroxyapatite powder by Sol Gel Method"** in the National conference on *NCFTAM - 13* sponsored by , organized by Bishop Heber College at Trichy during 11/03/2013 to 11/03/2013.
20. **"Structural and Optical Properties of Mg Doped ZnO Thin films"** in the National conference on *NCLOSN - 2011* sponsored by , organized by Bishop Heber College at Trichy during 14/02/2011 to 14/02/2011.
21. **"Structural and Optical Properties of ZnO Nano films Prepared by Sol Gel Method"** in the National conference on *NCLOSN - 2011* sponsored by , organized by Bishop Heber College at Trichy during 14/02/2011 to 14/02/2011.
22. **"Laser Surface Modification on AISI 304L SS coated with SiC-Zr-Ti"** in the National conference on *NMPCD-08* sponsored by , organized by Bishop Heber College at Trichy during 14/03/2008 to 14/03/2008.
23. **"Characterization of Magnetic Nano Particle by Dynamic Light Scattering"** in the National conference on *NMPCD-08* sponsored by , organized by Bishop Heber College at Trichy during 14/03/2008 to 01/01/1900.
24. **"Structural, Optical and Electrical Properties of Tin Oxide Thin films by Spray Pyrolysis Method"** in the National conference on *RAMS - 2008* sponsored by , organized by Cauvery Collge at Trichy during 23/01/2008 to 23/01/2008.
25. **"Structural, Optical and Electrical Properties of Magnesium Tin Oxide Thin films by Spray Pyrolysis Method"** in the National conference on *RAMS - 2008* sponsored by , organized by Cauvery Collge at Trichy during 23/01/2008 to 23/01/2008.
26. **"Structural, Optical, Electrical and Magnetic Properties of Indium Oxide Thin films by Spray Pyrolysis Method"** in the National conference on *NCRTC-2007* sponsored by , organized by Bishop Heber College at Trichy during 12/10/2007 to 12/10/2007.

Publication in Journals

- 4

1. **"Enhanced Corrosion resistance, antibacterial and biocompatibility properties of Ti-rGO-HAp nanocomposites"** published in Chemical Physics Impact (PEER REVIEW) Vol. 6, Issue No. , January 2023 ISSN : 2667-0224.
Impact factor , Scopus Index Web of Science, h - index , Citation index .5
2. **"Cationic and anionic substitutions in the antibacterial and biocompatibility properties of sol-gel derived hydroxyapatite nanocomposites"** published in Journal of Scientific Research (PEER REVIEW) Vol. 66, Issue No. 5, October 2022 ISSN : 0447-9483.
Impact factor , Scopus Index UGC Care list, h - index , Citation index 0.5
3. **"Structural, Photoluminescence, antibacterial and biocompatibility features of zinc incorporated hydroxyapatite nanocomposites"** published in Journal of Materials Science: Materials in Electronics (PEER REVIEW) Vol. , Issue No. , January 2021 ISSN : 1573-482X.
Impact factor , Scopus Index , h - index 63, Citation index 63.30
4. **"Synthesis and characterization of pure and doped hydroxyapatite nanopowders by sol-gel method"** published in International journal of scientific & engineering research (CONFERENCE PROCEEDING) Vol. 8, Issue No. 10, October 2017 ISSN : 2229-5518.

Publication in Books

- 2

1. **Structural and Optical Properties of Hydroxyapatite Nanopowders Prepared by Sol Gel Method.** Proceedings of the National Conference on Frontier Topics in Advanced Materials. Trichy :PG and Research Department of Physics, Bishop Heber College, March 2015.
2. **Synthesis of Nickel Aluminate Nano Particles by Chemical Capping Synthesis.** National Seminar on Advances in Materials Science. Tirunelveli :Department of Physics and Publication Division, Manonmaniam Sundaranar University, September 2014.

Awards Recieved

- 1

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Best Paper award	Bishop HeberCollege	06/05/2022	INTERNATIONAL	Bishop Heber College	Nil

RESEARCH PROJECTS

- 1

1. Minor project entitled **"Synthesis and Characterization of Pure and Zinc Doped Hydroxyapatite Nano Powders For Bone Implant applications"** (PRINCIPAL INVESTIGATOR), Sponsored by UGC/SERO, during 22/01/2015 to 6/20/2017 [Completed].

JOURNAL REFEREE

1. **Member** of International Journal "Optical materials for Engineering Applications and Recent Trends in Computational Fluid"(vol.) at during 13/08/2021 - 9/20/2021.



Signature of Staff
(H.SIRAJNISHA)