

BIO DATA



Name : Dr. P. Thiruramanathan

Designation : Assistant Professor

Department : Physics

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1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.Sc	Physics	VHNSN College	2010
M.Sc	Physics	VHNSN College	2012
M.Phil	Physics	VHNSN College	2013
Ph.D	Nanocomposites	Mepco Schlenk Engg. College	2018

2. Professional/ Industry Experience

: (in chronological order)

S.No	Designation	Institution/Organization	Period	
			From	To
1.	Assistant Professor	Ramco Institute of Technology, Rajapalayam	13.06.2021	Till date
2.	Ph.D, Full-Time Research	Mepco Schlenk Engg. College	18.01.2015	28.08.2017
3.	JRF, DRDO Project	Mepco Schlenk Engg. College	18.01.2013	17.01.2015

3. Research Interest

Nanocomposites, thin films, microwave and microelectronic devices

4 Publications

Updated as on 31.08.2021

4.1 JOURNAL PUBLICATIONS

1. Hikku. G.S, Jeyasubramanian. K, Jacobjose. J. Thiruramanathan. P, Pandiyarasan. V, Ikeda. H, (2019) “Alkyd resin based hydrophilic self-cleaning surface with self-refreshing behaviour as single step durable coating”, Journal of colloid and interface science, vol. 531, pp. 628-641 Impact factor: 6.361, DOI: 10.1016/j.jcis.2018.07.089.
2. Jeyasubramanian. K, William. R.V, Thiruramanathan. P, Hikku. G.S, Vimal Kumar. M, Ashima. B, Pandiyarasan. V, Ikeda. H (2019) “Dielectric and magnetic properties of nanoporous nickel doped zinc oxide for spintronic applications” Journal of Magnetism and Magnetic Materials, vol. 485, pp. 27-35, Impact factor: 2.683, DOI: 10.1016/j.jmmm.2019.04.032.
3. Thiruramanathan. P, Marikani. A, Madhavan. D, (2019) Improvement in dielectric properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin film over Pt(111)/Ti/SiO₂/Si substrate by spin coating method, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences,), vol. 89 no.3 pp. 593-601, Impact factor: 0.681, DOI: 10.1007/s40010-018-0491-9.
4. Thiruramanathan. P, Marikani. A, Ravi. S, Madhavan. D, Hikku. GS, (2018) “Fabrication of miniaturized high bandwidth dielectric resonator on patch (DRoP) antenna using high dielectric $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ nanoparticles” Journal of Alloys and Compounds, vol. 747, pp. 1033-1042, Impact factor: 4.175, DOI: 10.1016/j.jallcom.2018.03.015.
5. William. RV, Marikani. A, Thiruramanathan. P, (2018) “Investigation of molar concentration impact on the optical and photovoltaic properties of $(\text{BiFeO}_3)_x-(\text{BiCrO}_3)_{1-x}$ nanocomposite thin film” Journal of Materials Science: Materials in Electronics, vol. 29 no. 12, pp. 10129-10140, Impact factor: 2.195, DOI: 10.1007/s10854-018-9059-3.
6. Thiruramanathan. P, Sankar. S, Marikani. A, Madhavan. D, Kim. D.Y, (2017) “Thickness dependent structural and dielectric properties of calcium copper titanate thin films produced by spin-coating method for microelectronic devices”, Journal of Electronic Materials, vol. 46, no.7, pp. 4468-4477. Impact factor: 1.676, DOI: 10.1007/s11664-017-5430-z.
7. Thiruramanathan. P, Marikani. A, Madhavan. D, (2017) “Development of high dielectric dual phase $[\text{Bi}_4\text{Ti}_3\text{O}_{12}]_x-[\text{CaCu}_3\text{Ti}_4\text{O}_{12}]_{1-x}$ nanocomposite thin films for

- modern microelectronic device applications”, *Thin Solid Films*, vol. 628, pp.117–126. Impact factor: 1.888, DOI: 10.1016/j.tsf.2017.03.021.
8. William. R.V, Marikani. A, Madhavan. D, Thiruramanathan. P, Reddy. R, (2017) “Multiferroic consequence of porous $\text{BFO}_x\text{-BCO}_{1-x}$ composite thin films by novel sol-gel method”, *Acta Metallurgica Sinica (English Letters)*, vol. 31 no.3 pp. 1–9, Impact factor: 1.828, DOI: 10.1007/s40195-017-0593-4.
 9. Thiruramanathan. P, Sharma. S.K, Sankar. S, Sankar Ganesh. R, Marikani. A, Kim. D.Y, (2016) “Synthesis of Bismuth titanate (BTO) nanopowder and fabrication of microstrip rectangular patch antenna”, *Applied Physics A*, vol. 122, pp. 1006–1016, Impact factor: 1.874, DOI: 10.1007/s00339-016-0549-y.
 10. Thiruramanathan. P, Marikani. A, Madhavan. D, Gokul Raja. T.S, (2016) “Development of performance-improved global positioning system (GPS) patch antenna based on sol-gel-synthesized dual-phase $(\text{Bi}_4\text{Ti}_3\text{O}_{12})_x - (\text{CaCu}_3\text{Ti}_4\text{O}_{12})_{1-x}$ composites”, *Crystal Research and Technology*, vol. 51, no. 6, pp. 366–379. Impact factor: 1.090, DOI: 10.1002/crat.201500213.
 11. Thiruramanathan. P, Marikani. A, Madhavan. D, Bharadwaj. S, Awasthi. A.M, (2016) “Influence of calcination temperature on sol–gel synthesized single-phase bismuth titanate for high dielectric capacitor applications”, *International Journal of Materials Research*, vol. 107, no. 5, pp. 484–492, Impact factor: 0.851, DOI: 10.3139/146.111361.
 12. Thiruramanathan. P, Marikani. A, Madhavan. D, Gangatharan. K, (2016) “Phase investigation and multi objective optimization of dielectric behaviour of bismuth titanate-calcium copper titanate nanocomposites using grey relational” *Transactions of the Indian Institute of Metals*, vol. 69, no. 10, pp. 1819–1832, Impact factor: 1.176, DOI: 10.1007/s12666-016-0845-4.
 13. Thiruramanathan. P, Marikani. A, Madhavan. D, (2016) “A comparative study of nanostructured calcium copper titanate thin film and powder and their properties”, *International Journal of Materials Research*, vol. 106, pp. 1189–1195, 2015. Impact factor: 0.851, DOI: 10.3139/146.111294.
 14. Hikku. G.S, Krishna Sharma. R, William. R.V, Thiruramanathan .P, S. Nagaveena, (2017) “Al-Sn doped ZnO thin film nanosensor for monitoring NO_2 concentration”, *Journal of Taibah University for Science*, vol. 11, no.4, pp. 576–582, Impact factor: --, DOI: 10.1016/j.jtusci.2016.02.002.

15. Thiruramanathan. P, Hikku. G.S, Ramkumar. T, Amalraj. L, (2016) "Study of transparent conducting oxide nature of SnO₂ thin film prepared by nebulizer spray pyrolysis at 573 K", Journal of Advanced Physics, vol. 5, pp. 1–3, Impact factor: ---, DOI: 10.1166/jap.2016.1236
16. Thiruramanathan. P, Hikku. G.S, Krishna Sharma. R, Amalraj. L, (2015) "Optical and electrical properties of nanocrystalline transparent conducting SnO₂ thinfilms grown by nebulized spray pyrolysis technique at different substrate temperature", Materials Focus, vol. 4, pp. 1–8, Impact factor: ---, DOI: 10.1166/mat.2015.1286.

4.2 CONFERENCE PUBLICATIONS

1. Thiruramanathan. P, Amalraj. L, (2013) "Preparation and characterization of Transparent conducting SnO₂ thin film grown by Nebulized spray pyrolysis technique, International conference on thin films and applications, Sastra University, Tanjavur.
2. Thiruramanathan. P, Marikani. A, Madhavan. D, (2015) Preparation and characterization of Bi₄Ti₃O₁₂ thin film, Third international symposium on semiconductor materials and devices, Anna University, Chennai.
3. Thiruramanathan. P, Deva Arunkumar. K, Amalraj. L, (2015) A study of transparent conducting nature of SnO₂ thin film at 573K by Nebulized spray pyrolysis, First international conference on opto-electronics and photonic materials, Sastra University, Tanjavur.
4. Thiruramanathan. P, Marikani. A, Madhavan. D, (2015) Giant permittivity Bi₄Ti₃O₁₂ ceramics for high frequency tunable devices, Innovative trends in mechanical and civil engineering, PET engineering College, Vallioor.
5. Marikani. A, Thiruramanathan. P, Madhavan. D, (2015) Structural and AC Electrical Properties of Sol Gel Synthesized Bismuth Titanate Nanoplates, Innovative trends in mechanical and civil engineering, PET engineering College, Vallioor.
6. Thiruramanathan. P, Marikani. A, Madhavan. D, (2015) Investigation on the growth, structural, and dielectric properties of 0.8Bi₄Ti₃O₁₂ – 0.2CaCu₃Ti₄O₁₂ nanocompoiste, International conference on recent advances in materials and chemical sciences, Gandhigram Rural University, Dindigul.
7. Hikku. G.S, Gangatharan. K, Ramkumar. T, Sankar. Thiruramanathan. P, (2015) Tribological and mechanical behaviour of magnesium based hybrid composites, Innovative trends in mechanical and civil engineering, PET engineering College, Vallioor.
8. Ramkumar. T, Gangatharan. K, Krishnasharma. R, Hikku. G.S, Thiruramanathan. P, (2015) Investigation of al metal matrix composites prepared by squeeze infiltration

technique, Innovative trends in mechanical and civil engineering held at PET engineering College, Vallioor.

9. Thiruramanathan. P, Amalraj. L, (2013) Structural and optical properties of Tin Dioxide thin film by nebulized spray pyrolysis technique, National Conference on recent trends in advanced materials, Jayaraj Annapackiam College for Women, Periyakulam.
10. Thiruramanathan. P, Marikani. A, Madhavan. D, (2014) AC impedance studies of bismuth titanate nanopowders, National conference on advanced functional materials, Bharathiar University, Coimbatore.
11. Thiruramanathan. P, Marikani. A, Madhavan. D, (2015) High dielectric $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin film capacitor for packaged electronic applications, Recent frontiers in bioinorganic and medical chemistry, Sri Sowdambika Engineering College, Aruppukottai.
12. Thiruramanathan. P, Hikku. G.S, (2020) Phase growth investigation and thickness impact on the bismuth titanate thin film for microelectronic device application, International Web Conference On Smart Engineering Technologies-2020, Ramco Institute of Technology, Rajapalyam.
13. Thiruramanathan. P, Vigneswari. T, Srinivasan. R, Jeyapappa. K, (2021), Synthesis and Characterization of $(\text{BTO})_{0.2}-(\text{CCTO})_{0.8}$ Nanocomposite Thick Films, International Conference on Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and other Applications-2021, National Institute of Technology, Tiruchirappalli.
14. Srinivasan. R, Jeyapappa. K, Vigneswari. T, Thiruramanathan. P (2021), Structural and optical studies of La_2O_3 nanoparticles, International Conference on Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and other Applications-2021, National Institute of Technology, Tiruchirappalli.
15. Vigneswari. T, Thiruramanathan. P, Srinivasan. R, Jeyapappa. K, (2021), Copper Doped Nickel Ferrite Nanoparticles for Waste Water Treatment, International Conference on Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and other Applications-2021, National Institute of Technology, Tiruchirappalli.
16. Jeyapappa. K, Vigneswari. T, Thiruramanathan. P, Srinivasan. R, (2021), A Study of Thermal and Dielectric properties of iodine acid doped L-asparagine L-tartaric acid Crystal, International Conference on Novel Engineering Materials for Biomedical, Energy, Environment, Sensing and other Applications-2021, National Institute of Technology, Tiruchirappalli.

17. Jeyapappa. K, Vigneswari. T, Thiruramanathan. P, Srinivasan. R, (2021), A Study of Thermal and Third order NLO Properties of Ammonium Sulfate doped L-asparagine L-tartaric acid crystal, International Interdisciplinary Virtual Conference on "Breakthroughs and Approaches in Contemporary Scientific Research, PSGR Krishnammal College for Women, Coimbatore.

4.3 Book/Book chapter publications: NIL

5 Funded Projects: NIL

S.No.	Title of the project	Funding Agency	Duration	Amount	Status

6. Ph.D. guidance: NIL

Sl.No	Scholar name	University	Topic	Status

7. Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Recent Advancement in Astrophysics	VVV College for Women, Virudhunagar	10.10.2010	
2.	Current Trends of Research in Condensed Matter Physics	ANJA College, Sivakasi.	03.01.2013	04.01.2013
3.	Innovative Strategy for Technological Developments and Designing New Business Model in Renewable Energy Sector	VHNSN College, Virudhunagar.	03.03.2014	04.03.2014
4.	National Seminar on Materials Research (NSMR-2013)	VHNSN College, Virudhunagar.	08.02.2013	09.02.2013
5.	Recent Issues in Antenna Design and Testing	Mepco Schlenk Engg. College, Sivakasi.	24.09.2013	25.09.13
6.	Nuclear Energy Powering the Future	VHNSN College, Virudhunagar.	21.02.2013	22.02.2013
7.	Seminar on Research Methodology	VHNSN College, Virudhunagar.	23.07.2016	

8.	Nuclear Power – an Economical Source for Energy	Mepco Schlenk Engineering College, Sivakasi	19.08.2016	
9.	Nanomaterials and Characterization Techniques	VVV College for Women, Virudhunagar	11.01.2012	
10.	Workshop on Frontier Areas in Materials Chemistry	Mepco Schlenk Engg. College, Sivakasi.	20.01.2018	
11.	Three days training program Art of Counseling (Training program)	Ramco Institute of Technology, Rajapalayam	19.06.2018	21.06.2018
12.	Three days Faculty Development Program for Student Induction (FDP)	Francis Xavier Engineering College, Tirunelveli.	26.07.2018	28.07.2018
13.	One day Workshop on Recent Trends in Green Chemistry (Workshop)	Ramco Institute of Technology, Rajapalayam	11.08.2018	
14.	Two day on Materials Synthesis and Characterization (Workshop)	Mepco Schlenk Engineering College, Sivakasi.	03.01.2019	04.01.2019
15.	Two day Congress on Higher Education Conclave 2019	Kumaraguru College of Technology, Coimbatore.	13.02.2019	14.02.20219
16.	Thermoelectric Material and its Applications (Refreshment Course)	Indian Institute of Science, Bengaluru	13.05.2019	17.05.2019
17.	Yoga for Holistic Life Course (Refreshment Course)	Temple of Consciousness, Aliyar	12.06.2019	16.06.20219
18.	The Excitement of College Physics 2019. (Workshop)	VIT, Chennai	06.07.2019	
19.	FDP on Team Building. (FDP)	Ramco Institute of Technology, Rajapalayam	18.11.2019	20.11.2019
20.	Five Days Course on Stress Management. (Certificate Course)	Department of Management and Research, AVS College of Arts and Science, Salem	13.04.2020	17.04.2020
21.	Household Electrical Devices & Appliances. (Certificate Course)	Department of Physics, AVS College of Arts	20.04.2020	21.04.2020

		and Science, Salem		
22.	How to Publish a High Quality Technical Journal Paper. (Webinar)	IEEE	24.04.2020	
23.	Three Days Online Assessment on Improve your Skills. (Certificate Course)	Department of Mathematics (SF), V.H.N.S.N.College (Autonomous), Virudhunagar	27.04.2020	29.04.2020
24.	Webinar On Cyber Security in Lockdown Times. (Webinar)	SAIT- Indore, M.P.	30.04.2020	
25.	Online certificate course on Elemental Arts: Evolution of Modern Periodic Table. (Certificate Course)	Sri Krishna College of Engineering and Technology, Coimbatore	01.05.2020	02.05.2020
26.	International FDP on How to write Effective case Study. (FDP)	Atmiya University, Gujarat	02.05.2020	
27.	Webinar Series Combatting COVID 19. (Webinar)	Saveetha Engineering College, Chennai	02.05.2020	
28.	Online Workshop for Enhancing Research Communication Skills through ScienceDirect and Mendeley. (Workshop)	Dayalbagh Educational Institute, Agra	03.05.2020	
29.	The Power of a Teacher. (Webinar)	ICT Academy	04.05.2020	
30.	Importance Materials in Engineering. (Webinar)	Ramco Institute of Technology,	04.05.2020	
31.	Principle and Applications of Electronic Spectroscopy. (Webinar)	Department of Chemistry, Annai College of Arts and Science, Kovilacheri, Kumbakonam	07.05.2020	

32.	Crystallography and its Application. (Webinar)	PMC TECH, Hosur	08.05.2020	
33.	Industry 4.0. (Webinar)	Saveetha Engineering College, Chennai	08.05.2020	
34.	Effective use of LMS. (Webinar)	Ramco Institute of Technology,	09.05.2020	
35.	Effective use of LMS. (Webinar)	Ramco Institute of Technology,	09.05.2020	
36.	Projects to Patent. (Webinar)	Ramco Institute of Technology,	10.05.2020	12.05.2020
37.	Webinar on Disruptive technology. (Webinar)	Saveetha Engineering College, Chennai	10.05.2020	
38.	Virtual classroom Management using Microsoft Teams. (Webinar)	Lakireddy Bali Reddy College Of Engineering, Mylavaram, Ap	11.05.2020	
39.	International Faculty Development Program on Novel Materials for Energy and Biomedical (Covid-19) Healthcare Applications. (FDP)	Department of Science & Humanities, M.Kumarasamy College of Engineering, Karur	11.05.2020	16.05.2020
40.	Short Term Online Course on Computational Physics. (STTP)	Department of Physics, Bodoland University	12.05.2020	18.05.2020
41.	Awareness on Pandemic COVID 19. (Webinar)	Ramco Institute of Technology,	12.05.2020	
42.	Ennam Pol Vaazhkai. (Webinar)	Saveetha Engineering College, Chennai	12.05.2020	
43.	How to formulate a Research Problem?. (Webinar)	Ramco Institute of Technology,	13.05.2020	
44.	E-Governance Amid Covid 19 Pandemic. (Webinar)	PSR Engineering College	13.05.2020	
45.	Automotive Digital Sculpting. (Webinar)	Ramco Institute of Technology,	13.05.2020	

46.	Micro & Nanotechnology. (Webinar)	GTN Arts College, Dindigul	14.05.2020	
47.	Unlocking the potential- Role of Unnat Bharat abhiyan in the development of the aspirational districts in Tamilnadu. (Webinar)	KLU	14.05.2020	
48.	Super Session on Good Teacher to Great Teacher. (Webinar)	ICT	14.05.2020	
49.	Towards... Effective Teaching and Learning. (Webinar)	PKN	14.05.2020	15.05.2020
50.	Functional Novel Materials for Electrochemical Sensors and Energy Storage Devices. (Webinar)	TCE Madurai	15.05.2020	
51.	Let's Get Back to Routine with Ease. (Webinar)	SRM	15.05.2020	
52.	Webinar on Post COVID Academic Structure and IP. (Webinar)	SFR College, Svakasi	16.05.2020	
53.	FDP on Nanomaterial for Energy Harvesting and Biomedical Applications. (FDP)	Godavari Institute of Engineering and Technology, AP	18.05.2020	22.05.2020
54.	Secrets of Lateral Flow Immunoassay analysis (Rapid Test Kit) for coronavirus detection: Role of TPNT to fight against COVID-19. (Webinar)	Annai College of Arts & Science, Tirchy	21.05.2020	
55.	Recent trends in Energy Materials and Technology: Research and Applications. (Webinar)	S.T.Hindu College, Nagercoil	25.05.2020	

56.	Super Session on Change is the Essence of Life. (Webinar)	ICT	25.05.2020	
57.	Online Learning: 21st Century Education at Crossroads. (Webinar)	Sri Jai Narain P.G. College (KKC), Lucknow	26.05.2020	
58.	Emerging Nano-technological Advancement in Light Emitting Diodes. (Webinar)	Sona College of Technology	26.05.2020	
59.	Molecular Level Investigations On Organic Materials. (Webinar)	S.T.Hindu College, Nagercoil	29.05.2020	
60.	What the best college teachers do. (Webinar)	Ramco Institute of Technology,	29.05.2020	
61.	Two Day Hands - on Training On Technology Assisted Teaching Tools. (Hands - on Training)	Coimbatore Institute of Technology	29.05.2020	30.05.2020
62.	Reflections on Globalization. (Webinar)	Ramco Institute of Technology, Rajapalayam	1.06.2020	
63.	Waste heat recovery with absorption heat transformers and its applications. (Webinar)	Ramco Institute of Technology, Rajapalayam	03.06.2020	
64.	Open Access Educational E-Resources. (Webinar)	Ramco Institute of Technology, Rajapalayam	06.06.2020	
65.	Latex and Overleaf - Powerful Tools for writing Research Articles. (Webinar)	Ramco Institute of Technology, Rajapalayam	08.06.2020	
66.	Webinar on Solar Eclipse. (Webinar)	VHNSNC Virudhunagar	20.06.2020	
67.	National Level E Workshop on Open Internet Resources. (Workshop)	Sai Spurthi Institute of Technology, Telangana	03.07.2020	

68.	Webinar on Funding projects, consultancies and book writing. (Webinar)	Vimal Jyothi Engineering College, Kannur	08.07.2020	
69.	Webinar on Digital Transformation in Higher Education by using MS Teams. (Webinar)	The American College, Madurai	10.07.2020	
70.	Hands on Workshop Google Sites for Educators. (Workshop)	Sphoorthy Engineering College	11.07.2020	12.07.2020
71.	Webinar on Innovative Online Pedagogies - Teaching 2.0. (Webinar)	Entercon Private Limited	19.07.2020	
72.	FDP on Assessment, Accreditation and Quality Assurance in Higher Education Institutions. (FDP)	V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar	20.07.2020	24.07.2020
73.	Webinar Series (Basic) on Transforming Teaching Learning Process using ICT Tools. (Webinar)	PGDAV College, University of Delhi,	23.07.2020	25.07.2020
74.	Webinar on Hands on Training: Virtual Laboratory. (Webinar)	Ramco Institute of Technology, Rajapalayam	23.07.2020	
75.	Introduction to Online Teaching. (Webinar)	Arts, Commerce and Science College, Onde	25.07.2020	
76.	FDP on Role of Faculty Challenge Situation. (FDP)	Ramco Institute of Technology, Rajapalayam	26.07.2020	
77.	Higher Studies and Career Scope after B.Sc Physics. (Webinar)	E.M.G. Yadava Women's College, Madurai	30.07.2020	
78.	National Webinar on Making Students Habitual for Online Learning. (Webinar)	Sadashivrao Mandlik Mahavidyalaya, MurÅud	30.07.2020	

79.	Advanced Online Pedagogies – Teaching 2.0. (Workshop)	Entercon Private Limited	01.08.2020	
80.	Awareness Programme on Yoga and Natural Way of Living. (Webinar)	Anna University, Tiruchirappalli	02.08.2020	
81.	Project Proposal development for Rural Development. (Webinar)	Solamalai College of Engineering, Maduria	04.08.2020	
82.	Webinar On Enhancing NAAC/NIRF Score by International Educational Standard - Educational Organizations Management System (EOMS)-ISO 21001:2018. (Webinar)	ISDE Academy	19.08.2020	
83.	FDP on High Impact Teaching Skills and Mind Mapping for Better Teaching. (FDP)	Manipal Academy of Higher Education	19.08.2020	20.08.2020
84.	One Week Immunity Development Program - Yogic Way of Living. (Webinar)	University College of Engineering, Anna University - BIT Campus, Tiruchirappalli	24.08.2020	28.08.2020
85.	Webinar Series. (Professional) on Transforming Teaching-Learning Process using ICT Tools. (Webinar)	PGDAV College, University of Delhi,	28.08.2020	30.08.2020
86.	Effective and efficient writing of research papers for the web of science, Scopus indexed journal and Conference papers using typeset Research studio & Nexus	Ramco Institute of Technology, Rajapalayam	29.08.2020	

	International company. (Webinar)			
87.	Smart Approach in Vermicompost production & Management. (Webinar)	Ramco Institute of Technology, Rajapalayam	14.09.2020	
88.	E-certificate courses on Novel Exploration in Research Writing. (Certificate Courses)	PSNA College of Engineering and Technology, Dindigul	12.10.2020	16.10.2020
89.	FDP on Emotional Intelligence. (FDP)	ICT Academy	13.10.2020	17.10.2020
90.	Nuances of Resume Writing. (Webinar)	Ramco Institute of Technology, Rajapalayam	14.10.2020	
91.	International FDP on Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development. (FDP)	Bipin Tripathi Kumon Institute of Technology, Utrakhnad	26.10.2020	07.11.2020
92.	ATAL FDP on Novel Materials. (FDP)	SRM Institute of Science and Technology.	09.11.2020	13.11.2020
93.	ATAL FDP on Photonics. (FDP)	Thakur College of Engineering & Technology.	23.11.2020	27.11.2020
94.	Webinar series on Tools for Effective Research. (Webinar)	Coimbatore Institute of Technology, Coimbatore	29.11.2020	
95.	Webinar on Plastic Waste Management - The way Ahead. (Webinar)	Ramco Institute of Technology, Rajapalayam	22.12.2020	
96.	FDP on Foundation Program on ICT for Education. (FDP)	Sri Ramakrishna Polytechnic College, Coimbatore	28.01.2021	31.01.2021
97.	Webinar on Career Opportunities in Physics. (Webinar)	Noorul Islam Centre for Higher Education	02.06.2021	

98.	FDP on Engineering Physics (FDP)	Indira Ganesan College of Engineering	14.07.2021	19.07.2021
99.	Webinar on Recent Advances in Nanoscience and Nanotechnology. (Webinar)	Rathinam College of Arts and Science I	12.08.2021	13.08.2021
100.	Webinar on Green Audit & Environment Audit for Educational Institution	Nehru Institute of Engineering & Technology	19.08.2021	

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	One day Workshop on Recent Trends in Green Chemistry	RIT	11.08.2018	
2.	Two days National Conference on Materials for Sustainable Development	RIT	11.01.2019	12.01.2019
3.	International Web Conference On Smart Engineering Technologies-2020	RIT	26.06.2020	27.06.2020
4.	Research Webinar on How to Publish Good Research Articles in High Impact Journals	RIT	12.01.2021	
5.	Webinar on Nanomaterials for Energy & Environmental Applications	RIT	29.01.2021	
6.	National Web Conference on Challenges and Innovation in Engineering & Technology	RIT	19.03.2021	20.03.2021
7.	Studies on Our Nearest Star-Sun using Space Telescopes	RIT	22.07.2021	

8.	FDP on Synthesis, Characterization and Applications of Novel Materials	RIT	02.08.2021	06.08.2021
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9. Online Courses

Sl. No	Course title	University	Date
1.	Materials Science: 10 Things Every Engineer Should Know	University of California, USA	2018-2019
2.	Electricity and Magnetism , Part 1	Rice University, USA	2018-2019
3.	Basics of Transport Phenomenon Part-I	TU Delft, Netherland	2019-2020
4.	Cosmic Rays, Dark Matter, and the Mysteries of the Universe	WASEDA University, Japan	2020-2021
5.	Particle Physics: An introduction	University of Geneva, Switzerland	2019-2020
6.	Solar energy	TU Delft, Netherland	2020-2021
7.	Understanding Nuclear Energy	TU Delft, Netherland	2020-2021
8.	Introduction to Differential Equations	MIT, USA	2020-2021
9.	Vector Calculus for Engineers	The Hong Kong University of Science and Technology, Hong Kong	2020-2021
10.	How Things Work: An Introduction to Physics	University of Virginia, USA	2020-2021

10. Patents filed: 1

A. Marikani, P. Thiruramanathan, D. Madhavan, Homemade Patch Antennas Based on Dual Phase $[\text{Bi}_4\text{Ti}_3\text{O}_{12}]_x - [\text{CaCu}_3\text{Ti}_4\text{O}_{12}]_{1-x}$ Composite Thick Films, Indian Patent, (Application No.: 201641026195, CBR No.: 18558), 2016.

11. Membership in Professional societies

- International Association of Advanced Materials (IAAM), Membership Number: 90615191557.

12. Awards, Recognition & Achievements

- Dr.P.Thiruramanathan is an Anna University, Chennai recognized Ph.D supervisor (Ref. No. 3170043) from 2018 onwards.
- Dr.P.Thiruramanathan received an International appreciation certificate for the contribution of one powder diffraction data 2019 release issued by International Centre for Diffraction Data, Joint Commission of Powder Diffraction Software (JCPDS), USA.

Updated as on 31.08.2021

Any others (Board of studies/Governing Council/Staff Selection/Reviewer/other duties)

JOURNAL REVIEWER

1. Journal of Materials Science: Materials in Electronics.
2. Journal of ACS Applied Materials & Interfaces.

GUEST LECTURES DELIVERED

1. Dr.P.Thiruramanathan has acted as a resource person and delivered a special lecture on the topic “Scope of Physics” to the B.SC Physics students of G.Venkataswamy Naidu College, Koviplatti on 05.02.2019.
2. Dr.P.Thiruramanathan have delivers a guest lecture entitled “What next Scope for higher studies and Carrier after B.SC Physics” to the B.SC Physics students of V.H.N.S.N. College, Virudhunagar on 15.02.2020.
3. Dr.P.Thiruramanathan have delivers a guest lecture entitled “Hands on Training: Virtual Laboratory” organized by PALS IITM-NITK VLAB, Ramco Institute of Technology, Rajapalayam on 08.08.2020.
4. Dr.P.Thiruramanathan acted as a resource person and delivered a special lecture for the online webinar entitled “Concepts & Applications of Physics” organized by the IEI Student chapters, Ramco Institute of Technology, Rajapalayam on 06.09.2020.
5. Dr.P.Thiruramanathan has delivered a lecture for the STTP on "Hands on Training: Virtual Laboratory” organized by Ramco Institute of Technology, Rajapalayam on 03.11.2020.
6. Dr.P.Thiruramanathan has delivered a guest lecture on “Learning Physics is So Easy” organized by Rajapalayam Raju’s College, Rajapalayam on 31.07.2021.

SESSION CHAIR

1. Dr.P.Thiruramanathan acted as a Session Chair in the “International Virtual Conference on “Recent Trends and Innovations in Science, Engineering and Social Sciences” organized by V.H.N.Senthikumara Nadar College (Autonomous), Virudhunagar during 04.09.2020 – 6.09.2020