Dr. G. RAMALINGAM
Assistant Professor

Contact

Address : Group Leader-Quantum Materials Research Lab(QMRL)
Department of Nanoscience and Technology
Alagappa University, Science Campus
Karaikudi – 630 003
Tamil Nadu, INDIA

Employee Number : Employee No.35403
Contact Phone (Office) : +91 4565-225630 /374(Ext)
Contact Phone (Mobile) : +91 9445295572
Contact e-mail(s) : ramanloyola[at]gmail[dot]com
/ramalingamg[at]alagappauniversity[dot]ac[dot]in

Academic Qualifications: M.Sc, M.Phil, B.Ed, Ph.D

Degree	Name of University/Institute	Year of Passing
M.Sc(Physics)	University of Madras/Loyola College	2006
B.Ed(Physical Science)	University of Madras	2007
M.Phil(Physics)	University of Madras/Loyola College	2009
Ph.D(Physics)	University of Madras	2012

Teaching Experience: 4 Years 6 Months

Designation	Institute	Department	Duration
Assistant Professor	Alagappa University	Nanoscience & Technology	11-02-2016 to till date
Assistance Professor (Adhoc)	National Institute of Technology (NIT), Calicut-Kerala	Physics	6-Months
Guest Faculty	Central University of Tamil Nadu, Thiruvarur.	Physics	1-year
Lecturer	Sathyabama University, Chennai	Physics	3-years

Research Experience: 12- Years

Additional Responsibilities

1. Digital Education Cell & NPTEL, Local Chapter Coordinator
2. Virtual Lab(V-Lab) Nodal Center Coordinator

Areas of Research

1. Quantum/Nanomaterials Research (QMR)
2. Semiconductor Nanomaterials for Solar cell, Quantum LEDs (Q-LEDS) and Other Energy harvesting application.
3. Graphane Quantum Dots for Industrial Application
4. H_2 storage, CO_2 capture, and make useful products through C-H activation chemistry
5. Highly luminescence Nanomateials for Bio-imaging, Bio-Tagging and Nano Drug Delivery system for anti-cancer Treatment etc.,

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	1	3
	M.Phil.	2	-
Project	PG	35	4
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
83	20	-	30	03

Events organized in leading roles

1. **2nd** International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2023), 18-21th Feb 2023**, Convener & Organizing Secretary, DST-SERB Sponsor**
2. Indo - UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020), 16-18th Sep 2020**, Convener & Organizing Secretary**
3. Three Days International Virtual Seminar on The Role of Nanotechnology Against COVID-19**,** Date : 20 -22 May 2020, **Organizing Secretary**
4. International Conference Advanced Nanomaterials (ICAN-2018) Feb 2018- **Organizing Secretary**
5. National seminar on Nanomaterials for specialized application –(NMSA 2017)- **Org.commite**
6. National seminar on World Standards day(WSD-2016) –**Organizing Secretary**
7. National Conference on Recent Advances in Materials and Technology(NCRAMAT-2012)- **Org.commite.**
8. Workshop on virtual lab and MOOCS, **Organizing Secretary**

Funded Research Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	**DST-SERB**	2017-2020		**Fabrication of One Dimensional (1-D) Nanomaterial with Quantum Dots (QDs) for Solar Cell Application**	**25.00**
2	**AURF-** Start up grant	2017-2019		**Quantum Dots for Bio-Imaging Applications**	**1.00**
3.	**MHRD-SPARC, UKERI**	2019-2023		**2D-QDs (Two Dimensional QDs): Synthesis and Applications in Electroluminescent diodes, Sensors and Solar Cells**	**60+12=72**
4.	**RUSA-TBRP**	2019-2023		**Advanced Nanomaterials for Energy and Environmental Application**	**10.00**
5.	**DST-SERB**	2022-2023		**ICANEE-2023**	**1.50**
6.	**RUSA-EIR**	2022-2023		**Mxene Based Nanoink for Pervioskite Solar Cell (Co-PI: *Janana Priya V*)**	**0.50**
7.	**RUSA-EIR**	2022-2023		**Preparation of Novel Transition metal carbides and composites for hydrid super capacitor application(Co-PI: *T.Keerthana*)**	**0.50**
8.	**TNSCST**	2017-2018		**Publication assistant of Tamil magazine**	**0.10**
9.	**TNSCST**	2023-2024		**Student project on developing Nano Ink**	**0.75**
10	**TNSCST**	2019-2020		**Young scientist visiting fellowship**	**0.15**

Distinctive Achievements / Awards

1. Best Research paper award at iCAM-2022 @Sathayabama University-Chennai
2. **Promising Researcher award-2022** by Alagappa University
3. Alagappar **Research Recognizing Award-2020, 2 2023** by Alagappa University
4. Award of **Young Scientist** Fellowship from Tamil Nadu State Science and Technology (Government of Tamil Nadu) **TNSCST-2019.**
5. Innovative Scientific Research Technologist & Dedicated Academician (Nanoscience &Tech.) award by global awards-Malaysia**(2018)**
6. Best Research paper award at IIT-Madras (**ISRS 2010**)
7. Award and prize of General Proficiency in Physics(B.Sc) –Voorhees College Vellore
8. Prize of Best Student award (B.Sc) -Voorhees College Vellore

Resource persons in various capacities

Number of Invited / Special Lectures/FDP delivered: **20+**

1. St.Joseph College, Trichy
2. Sriram arts and college, Thiruvallur-Chennai
3. Mother Thresa Woman University. Kodikanoal-
4. St.Joseph college of arts and Science, Cuddalore
5. Govt.Arts Collge, Salem-7
6. The Seethalakshmi Achi College for women, karaikudi
7. Aditanar College of Arts and Science, Tiruchendur
8. Holy Cross women College-Trichy
9. SSN College of Engineering, Chennai
10. Kamaraj College of Arts and Science- Tuticorin
11. Adikavi Nannaya University, Rajahmundry, Andhra Pradesh
12. Elavenil-Bharathidasan University-Trichy
13. SSN-Engineering College -Chennai
14. Karpagam Academy of Higher Education -Coimbatore
15. PPG college of arts and science – Coimbatore
16. Sacred Heart College (Autonomous) Tiruppattur, Vellore
17. St. Xavier's college Palayamkottai
18. Sun Arts and science college-Tiruvannamalai
19. Sri Sarada College for Women- Salem
20. Cardamom planter's association college- Bodinayakanur -Theni
21. SRM Madurai College for Engineering and Technology

22. Country Visited (Official) :02

1. University of Mara Technological University -**Malaysia**
2. National University of Singapore (NUS)-**Singapore**

Research Collaborating Country

3. Brunel University, **London**
4. INL – International Iberian Nanotechnology Laboratory, **Portugal**
5. CSIR lab-Pretoria, **South Africa**
6. Ural Federal University, **Russia**
7. Delaware State University -**USA**
8. Copperbelt University (CBU)- **Zambia**
9. National Water & Energy Center, UAE University, **UAE**
10. Adolfo Ibanez University, **CHILE**

Others

1. Articles published in Newspapers / Magazines : ஆற்றல் Editor-in Chief Science Magazine in Tamil (Monthly)

Recent Publications(as on Dec. 20223)

Book and Articles Publications

Book & Chapter

1. Introduction of Nanoscience (Publisher: LAP Lambert Academic Publishing (14 August 2012) Language: English, ISBN-10: 3659176672, ISBN-13: 978-3659176678
2. Quantum Confinement Effect of 2D nanomaterials, http://dx.doi.org/10.5772/intechopen.90140 (https://www.intechopen.com/chapters/70534), ISBN978-1-83880-919-5
3. Photocatalytic oxygen evolution reaction for energy conversion and storage of functional nanomaterials, K.Kaviyarasu C. MariaMagdalane A.Raja N.Matinise N.Mayedwa N.Mongwaketsi DouglasLetsholathebe G.T.Mola NaifAbdullahAl-Dhabi Mariadhas ValanArasu **G.Ramalingam** S.B.Mohamed Abdulgalim B.Isaev K.Kanimozhi A.K.H.Bashir J.Kennedy M.Maaza, *Handbook of Functionalized Nanomaterials for Industrial Applications, Micro and Nano Technologies* (2020) https://doi.org/10.1016/B978-0-12-816787-8.00003-X, Pages 55-81

Articles Publications (As on 15th Dec.2023)

83. Efficient Processed Carbon Soot@MoS_2 Hybrid Bi-functional Electrode for Dye-sensitized Solar Cell and Asymmetric Supercapacitor Devices, accepted *Nano Materials Science* (2024) : IF:9.9

82. Solid state synthesis of the RGO-Ba(OH)2/CeO_2/TiO_2 novel electrode for energy storage performance, CALE-D-23-00348R1, accepted in *Carbon Letters* (2024), IF:3.117

81. Synthesis and characterization of transition metals (Mn, Fe, Co, Ni) doped tin oxide for magnetic and antimicrobial studies, T Amutha, M Rameshbabu, S Sasi Florence, **G Ramalingam**, S Muthupandi, K Prabha, *Materials Science and Engineering: B(2024)*, https://doi.org/10.1016/j.mseb.2023.117047, IF:3.407

80. Enhanced pursuance of dye-sensitized solar cell for indoor and outdoor stability using reduced graphene oxide@ Mn2O3 nanocomposite, B Arjun Kumar, **G Ramalingam**, Salah Addin Burhan Al Omari, Nanda Kumar Reddy Nallabala, P Sakthivel, Saifudeen Kabeer, Sambasivam Sangaraju, *Carbon Letters*, 2023, 1-10, https://doi.org/10.1007/s42823-023-00646-5, IF:3.117

79. Synthesis of highly efficient (Cr, Gd) co-doped CdS quantum dots for photocatalytic H2 evolution beneath artificial solar light irradiation, B Poornaprakash, B Purusottam Reddy, P Reddy Prasad, A Subba Reddy, K Subramanyam, M Siva Pratap Reddy, Ammar M Tghezza, Sambasivam Sangaraju, Si-Hyun Park, Min-Woo Kwon, YL Kim, **Ramalingam Gopal**, *Ceramics International*, IN PRESS 2023, https://doi.org/10.1016/j.ceramint.2023.11.318, IF:5.2

78. Synthesis and characterization of lamellar-like Cu2(OH)3NO3 nanosheets integrated with Mg (OH)2 nanoparticles heterojunction for photocatalytic activity, Karthigaimuthu Dharmalingam, Vijayakumar Gurudevan, Gokulnath Dhanasekaran, Deepak Sekar, **Ramalingam Gopal**, Dalal

Alshamsi, Elangovan Thangavel, Sangaraju Sambasivam, *Journal of Materials Research*, 1-17, 2023, https://doi.org/10.1557/s43578-023-01218-z, IF:2.70

77. Correlation between the particle size, structural and photoluminescence spectra of nano NiCr2O4 and La doped NiCr2O4 materials, C Ragupathi, S Narayanan, P Tamizhdurai, TA Sukantha, **G Ramalingam**, MP Pachamuthu, VL Mangesh, Nadavala Siva Kumar, Ahmed S Al-Fatesh, Samsudeen Olajide Kasim, *Heliyon*, 9, 11,2023,E21981 https://doi.org/10.1016/j.heliyon.2023.e21981, IF:4.0

76. Redox-active pigeon excreta mediated metal oxides nanosheets for enhancing co-catalyst for photovoltaic performance in dye-sensitized solar cells, D Karthigaimuthu, B Arjun Kumar, T Elangovan, **Gopal Ramalingam**, Sujith Kalluri, Salah Addin Burhan Al Omari, Sambasivam Sangaraju, *Journal of Materials Research and Technology*, 27, 4440-4451, 2023, https://doi.org/10.1016/j.jmrt.2023.10.244, IF:6.267

75. CdSe Quantum Dots Bedecked on ZnO/TiO_2/CuO Ternary Nanocomposite for Enhanced Photocatalytic and Photovoltaic Applications, B Arjun Kumar, Thangavel Elangovan, Dharmalingam Karthigaimuthu, D Aravinth, **Gopal Ramalingam**, Fen Ran, Sambasivam Sangaraju, *ACS-Langmuir*, 2023, 39, 45, 15864–15877, IF:4.331

74. Synthesis, Structure, Morphology, Element composition, Electrochemical, and Optical studies of Zn0.98-XMn0.02CeX Quantum dots, P Sakthivel, RV Mangalaraja, **G Ramalingam**, K Sakthipandi, V Gowtham, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 303, 123140, 2023. IF: 4.831

73. In situ addition WS2 quantum dots on polymer films for white emission LED applications, B Arjun Kumar, P Subalakshmi, Mohammed Mujahid Alam, **Gopal Ramalingam**, Sambasivam Sangaraju, *Materials Letters*, 352, 135135, 2023. IF: 3.574

72. Europium decorated hierarchical TiO2 heterojunction nanostructure with enhanced UV light photocatalytic activity for degradation of toxic industrial effluent, Y Nirmal Rajeev, C Maria Magdalane, S Hepsibha, **Gopal Ramalingam**, B Arjun Kumar, L Bhushan Kumar, Sangaraju Sambasivam, *Inorganic Chemistry Communications*, 157, 111339, 2023. IF: 3.428

71. Facile one-pot synthesis of ternary Ni-Mn-Zn oxide nanocomposites for high-performance hybrid supercapacitors, S Suganya, M Mujahid Alam, F Kousi, **G Ramalingam**, M Ramesh Prabhu, S Sudhahar, *Journal of Energy Storage*, 71, 108176, 2023 IF: 8.9

70. Mesostructured Graphitic Carbon Nitride Composites with Silver Nanoparticle Decoration as the Best Visible-Light-Driven Photocatalysts for Dye Degradation and H2 Production, Guru Prakash Nunna, P Rosaiah, Sangaraju Sambasivam, **Gopal Ramalingam**, Ahmad Jwuiyad, Adem Sreedhar, Tae Jo Ko, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*,Oct 2023 in press IF:

69. Third-order NLO properties and optical limiting behavior of p-toluidinium 2, 4-dichlorobenzoate organic single crystal, V Kousalya Devi, F Kousi, M Mujahid Alam, S Sambasivam, **G Ramalingam**, M Abith, TC Sabari Girisun, S Sudhahar, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*,305, 123527,2024 IF:

68. Green Solvent exfoliation of few layers 2D-MoS_2 nanosheets for efficient energy harvesting and storage application. B.Arjun Kumar,Thangavel Elangovan, Kumar Raju, **Gopal Ramalingam**, Sangaraju Sambasivam, Mohammed Mujahid Alam. *Journal of Energy Storage*, 65, 107336, 2023. IF:8.9

67. Study of Ce-doping effects on optical, morphological, magnetic, structural, and antibacterial properties of NiCr2O4 ceramics, C Ragupathi, VT Geetha, S Narayanan, P Tamizhdurai, **G Ramalingam**, VL Mangesh, R Kumaran, Amer M Alanazi, Aboud Ahmed Awadh Bahajjaj, Mani Govindasamy, *Materials Science and Engineering: B*, 291, 116358, 2023. IF 3.40

66. Surfactant FeCo2O4 nanostructure: An efficient counter electrode for dye sensitized solar cell assisted hexagonal and photocatalyst for dye degradation, Baskaran Palanivel, **Ramalingam Gopal**, Fatemah H Alkallas, Mohd Shkir, S AlFaify, *Optik*, 170786, 2023, IF:2.84

65. Effects of Different Precursors on Particle Size and Optical–Magnetic Properties of $ZnCr_2O_4$ Nanoparticles Prepared by Microwave-Assisted Method, P Sankudevan, RV Sakthivel, K Poonkodi, **Gopal Ramalingam**, C Raghupathi, Mohammed Mujahid Alam, Baskaran Rangasamy, *Journal of Nanomaterials*, 2023, IF:3.791

64. Fabrication of highly efficient and cost-effective dye-sensitized solar cells using ZnO/MWCNT nanocomposite as photoanode Vijayanath S.;Janaki K.;**Gopal R**.;Ragupathi C.;Rangasamy B.;Alam M.M. *Journal of Solid State Electrochemistry*, Volume 27, Year 2023, Pages 183-194 DOI:10.1007/s10008-022-05312-w., ISSN Number: Electronic ISSN 2044-5326, Print ISSN0884-2914 IF: 2.747

63.Effects of Different Precursors on Particle Size and Optical-Magnetic Properties of ZnCr2O4 Nanoparticles Prepared by Microwave-Assisted Method Sankudevan P.;Sakthivel R.V.;Poonkodi K.; **Ramalingam G**.;Raghupathi C.; Alam M.M.;Rangasamy B. *Journal of Nanomaterials*, Volume 2023, Year 2023 https://doi.org/10.1155/2023/2856806 ., ISSN Number: ISSN: 2356-6140 (Print)., ISSN: 1537-744X ., IF:3.791

62. Structural and optical properties of Eu3+ doped Sr3Gd[PO4]3 phosphor white-LED application Indumathi K.; Tamilselvan S.; Rajasekaran L.; David A.D.J.;Muhammad G.S.; **Ramalingam G**.; Biruntha M. *Materials Letters,* Volume 309, Year 2022 https://doi.org/10.1016/j.matlet.2021.131371., ISSN Number: 0167-577X ., IF.3.423

61. Synthesis of MoS_2/$Mg(OH)_2$/$BiVO_4$ hybrid photocatalyst by ultrasonic homogenization assisted hydrothermal methods and its application as sunlight active photocatalyst for water decontamination Karthigaimuthu D.;Ramasundaram S.;Nisha P.;Arjun Kumar B.;Sriram J.;**Ramalingam G**.;Vijaibharathy P.;Oh T.H.;Elangovan T. *Chemosphere*, Volume 308, Year 2022., https://doi.org/10.1016/j.chemosphere.2022.136406., ISSN Number: 0045-6535., IF :7.086

60. Eco-Friendly Synthesis of Multishaped Crystalline Silver Nanoparticles Using Hill Garlic Extract and Their Potential Application as an Antifungal Agent Nallal V.U.M.;Razia M.;Duru O.A.;**Ramalingam G**.;Chinnappan S.;Chandrasekaran

M.;Gengan R.M.;Chung W.J.;Chang S.W.;Ravindran B. *Journal of Nanomaterials*, Volume 2022, Year 2022 ., https://doi.org/10.1155/2022/7613210., ISSN Number: series ISSN: 1612-1317 , Series E-ISSN1868-1212 , IF:2.98

59. Structural and Optical Properties of CdSe/CdTe Core-Shell Quantum Dots **Ramalingam G**.;Ragupathi C.;Rangasamy B.;Colak I.;Vetrivelan V.;Poudineh N.;Ravindran B.;Chang S.W.;Gengan R.M. *Journal of Nanomaterials*, Volume 2022, Year 2022. https://doi.org/10.1155/2022/6316716., series ISSN1612-1317 , Series E-ISSN1868-1212 ., IF:2.986

58. The role of sodium dodecyl sulfate mediated hydrothermal synthesis of MoS2 nanosheets for photocatalytic dye degradation and dye-sensitized solar cell application Dharamalingam K.;Arjun Kumar B.;**Ramalingam G**.;Sasi Florence S.;Raju K.;Senthil Kumar P.;Govindaraju S.;Thangavel E. *Chemosphere*, Volume 294, Year 2022. https://doi.org/10.1016/j.chemosphere.2022.133725, ISSN Number: 0045-6535. IF:7.08

57. Optical, Thermal and Magnetic Properties of Strontium Ferrite Nanoparticles Saravanan S.;Sivanandan T.;**Ramalingam G**. *International Journal of Nanoscience and Nanotechnology*, Volume 18, Year 2022, Pages 275-284. DOI :10.22034/IJNN.2022.697998, ISSN:2455-0191, IF:1.28

56. Investigation of Lithium Iodide Intercalated 2D-nanosheets for DSSC Applications Babu J.;Raj A.A.;Asghar J.;Kumar B.A.;Sigamani S.;**Ramalingam G**. International *Journal of Renewable Energy Research*, Volume 12, Year 2022, Pages 1662-1669. DOI:10.20508/ijrer.v12i3.13251.g8552, ISSN: 1309-0127, IF:

55. Cerium-based metal sulfide derived nanocomposite-embedded rGO as an efficient catalyst for photocatalytic application Narthana Kandhasamy., Govindhasamy Murugadoss ., Thiruppathi Kannappan ., Kamalan Kirubaharan ., Rajesh Kumar Manavalan ., **Ramalingam Gopal** ., *Environmental Science and Pollution Research*, Volume , Year 2022. DOI: 10.1007/s11356-022-24311-y, ISSN:2348-392X, IF:5.19

54. Catalytic and Photocatalytic Degradation Activities of Nanoscale MnDoped ZnCr2O4 Sankudevan P.;Sakthivel R.V.;**Gopal R**.;Raghupathi C.;Ambika S.;Mujahid Alam M.;Rangasamy B. *Advances in Materials Science and Engineering*, Volume 2022, Year 2022. https://doi.org/10.1155/2022/7056380, ISSN: 16878442, 16878434, IF:2.03

53. Blue Emissive Carbon Quantum Dots (CQDs) from Bio-waste Peels and Its Antioxidant Activity Rajamanikandan S.;Biruntha M.;**Ramalingam G.** *Journal of Cluster Science*, Volume 33, Year 2022, Pages 1045-1053, DOI:10.1007/s10876-021-02029-0, Electronic ISSN: 1572-8862, Print ISSN: 1040-7278, I.F :3.061

52. Enhanced visible light-driven photocatalytic performance of CdSe nanorods **Ramalingam G**.;Magdalane C.M.;Arjun Kumar B.;Yuvakkumar R.;Ravi G.;Jothi A.I.;Rotte N.K.;Murugadoss G.;Ananth A. *Environmental Research*, Volume 203, Year 2022. DOI: 10.1016/j.envres.2021.111855, ISSN: 1098-8408, I.F: 8.431

51. Fabrication and characterization of $Th(MoO_4)_2/TiO_2$ nanocomposite for potential use in photocatalytic degradation of toxic pollutants Amanulla M.;Magdalane C.M.;**Ramalingam G**.;Sundaram R.;Tamam N.;Somaily H.H.;Al-Buriahi M.S. *Applied Physics A: Materials Science and Processing*, Volume 128, Year 2022. DOI:10.1007/s00339-022-05504-1, E-ISSN:1432-0630, Print ISSN: 0947-8396. I.F: 2.983 .

50. Enhanced α-Mn_2O_3 nanorods synthesized by one-pot hydrothermal route for supercapacitors Arjun Kumar B.;Ramalingam G.;Rangasamy B.;Lahiri A.;Somaily H.H.;Alzahrani J.S.;Al-Buriahi M.S. *Journal of Materials Science: Materials in Electronics*, Volume 33, Year 2022, Pages 11067-11077. DOI:10.1007/s10854-022-08084-1, Electronic ISSN: 1573-4803, Print ISSN :0022-2461 I.F: 4.682.

49. Photocatalytic activity of hierarchical CTAB-assisted TiO2 nanoparticles for polluted water treatment using solar light illumination Rajeev Y.N.;Magdalane C.M.;**Ramalingam G**.;Kumar L.B.;Alwadai N.;Al-Buriahi M.S. Applied Physics A: Materials Science and Processing, Volume 128, Year 2022. DOI:10.1007/s00339-022-05406-2, Electronic ISSN :1432-0630, Print ISSN :0947-8396, I.F: 2.983.

48. Facile synthesis of polymer-based magnesium hydroxide nanocomposites for photocatalytic degradation for methylene blue dye and antibacterial application Dharamalingam K.;Ramasundaram S.;Ponnusamy V.K.;Bhuvaneswari K.;**Ramalingam** G.;Balasankar A.;Jeyaram S.;Pazhanivel T.;Florence S.S.;Thangavel E.;Oh T.H. Biomass Conversion and Biorefinery, Volume , Year 2022. DOI:10.1007/s13399-022-02770-0, Electronic ISSN :2190-6823, Print ISSN : 2190-6815, I.F: 4.103

47. Structure, Morphological, Magnetic, and Antibacterial Studies of Undoped and Ce/Mg-Doped NiO Nanoparticle Semiconductors Synthesized by Microwave Method Geetha V.T.;**Ramalingam G**.;Pachamuthu M.P.;Gopinath S.;Ragupathi C.;Sukantha T.A. *Journal of Superconductivity and Novel Magnetism*, Volume 35, Year 2022, Pages 2021-2027. DOI:10.1007/s10948-022-06277-7, Electronic ISSN :1557-1947, Print ISSN: 1557-1939, IF:1.506

46. Computational studies and experimental fabrication of DSSC device assembly on 2D-layered TiO2 and MoS2@TiO2 nanomaterials Kumar B.A.;Vetrivelan V.;**Ramalingam G.**;Manikandan A.;Viswanathan S.;Boomi P.;Ravi G. Physica B: Condensed Matter, Volume 633, Year 2022. https://doi.org/10.1016/j.physb.2022.413770, Print ISSN: 0921-4526, IF:2.436.

45. Fabrication of self charging supercapacitor based on two dimensional bismuthene-graphitic carbon nitride nanocomposite powered by dye sensitized solar cells Maheshwaran G.;Pandi P.;Suganya S.;Kumar B.A.;**Ramalingam G**.;Prabhu M.R.;Sudhahar S. *Journal of Energy Storage*, Volume 56, Year 2022. https://doi.org/10.1016/j.est.2022.105900, Print ISSN: 2352-152X, Online ISSN: 2352-1538, IF :8.9

44. Crystal growth, structural, optical, thermal, dielectric, mechanical and NLO studies of L-tyrosine zinc carbonate single crystals Aishwarya P.;Ilango E.;**Ramalingam**

G.;Vetrivelan V. *Materials Today: Proceedings*, Volume 49, Year 2021, Pages 2574-2579. https://doi.org/10.1016/j.matpr.2021.05.556, Online ISSN: 2214-7853, IF : 0.943

43. Growth and characterization of L-tyrosine magnesium chloride single crystal: A promising NLO crystal Aishwarya P.;Ilango E.;**Ramalingam G**.;Vetrivelan V. *Materials Today: Proceedings*, Volume 49, Year 2021, Pages 2563-2568. https://doi.org/10.1016/j.matpr.2021.05.551, Online ISSN: 2214-7853 IF : 0.943

42. Surface functionalization of core-shell QDs for solar photovoltaic and anticancer applications Kumar B.A.;Kumar P.;Elangovan T.;**Ramalingam G**.;Ravi G.;Mohanapriya P.;Natarajan T.S. *Applied Surface Science Advances*, Volume 5, Year 2021. https://doi.org/10.1016/j.apsadv.2021.100122, ISSN: 2666-5239, IF : 7.392

41. Fabrication of natural dye sensitized solar cell using tridax procumbens leaf and beetroot extract mixer as a sensitizer Arjun Kumar B.;**Ramalingam G**.;Karthigaimuthu D.;Elangovan T.;Vetrivelan V. *Materials Today: Proceedings*, Volume 49, Year 2021, Pages 2541-2545. DOI:10.1016/j.matpr.2021.04.221, Online ISSN: 2214-7853 IF : 0.943

40. Preparation of Fe-SnO2@CeO2 nanocomposite electrode for asymmetric supercapacitor device performance analysis Asaithambi S.;Sakthivel P.;Karuppaiah M.;Yuvakkumar R.;Balamurugan K.;Ahamad T.;Khan M.A.M.;**Ramalingam G**.;Mohammed M.K.A.;Ravi G. *Journal of Energy Storage*, Volume 36, Year 2021. DOI:10.1016/j.est.2021.102402, Online ISSN: 2352-1538,Print ISSN: 2352-152X. IF :8.907

39. Recent advances and need of green synthesis in two-dimensional materials for energy conversion and storage applications Ponraj J.S.;Narayanan M.V.;Dharman R.K.;Santiyagu V.;**Gopal R**.;Gaspar *J. Current Nanoscience*, Volume 17, Year 2021, Pages 554-571. DOI: 10.2174/1573413716999210101122503, ISSN Print: 1573-4137, ISSN online: 1875-6786, IF :1.513

38. Copper and zinc oxide anchored silica microsphere: A superior pseudocapacitive positive electrode for aqueous supercapacitor applications Kandhasamy N.;**Ramalingam G**.;Murugadoss G.;Rajesh Kumar M.;Manibalan G.;Jothi Ramalingam R.;Yadav H.M. *Journal of Alloys and Compounds*, Volume 888, Year 2021. https://doi.org/10.1016/j.jallcom.2021.161489, Print ISSN: 0925-8388, Online ISSN: 1873-4669, IF :6.371

37. rGO supported g-C3N4/CoFe2O4 heterojunction: Visible-light-active photocatalyst for effective utilization of H2O2to organic pollutant degradation and OH radicals production Palanivel B.;Lallimathi M.;Arjunkumar B.;Shkir M.;Alshahrani T.;Al-Namshah K.S.;Hamdy M.S.;Shanavas S.;Venkatachalam M.;**Ramalingam G**. *Journal of Environmental Chemical Engineering*, Volume 9, Year 2021. https://doi.org/10.1016/j.jece.2020.104698, Print ISSN: 2213-2929 ,Online ISSN: 2213-3437, IF :7.968

36. Electrical and chemical stability of CuS nanofluids for conductivity of water soluble based nanocomposites **Ramalingam G**.;Vignesh R.;Ragupathi C.;Magdalane C.M.;Kaviyarasu

K.;Kennedy *J. Surfaces and Interfaces*, Volume 19, Year 2020. https://doi.org/10.1016/j.surfin.2020.100475,Online ISSN: 2468-0230, IF :6.137

35. Investigations on solid-state parameters of third-order nonlinear optical Ni1-xZn xFe2O4 nanoparticles synthesized by microwave-assisted combustion method Surendran P.;Lakshmanan A.;Priya S.S.;Balakrishnan K.;Rameshkumar P.;Hegde T.A.;Vinitha G.;**Ramalingam G.;**Raj A.A. *Applied Physics A: Materials Science and Processing*, Volume 126, Year 2020. DOI: 10.1007/s00339-020-3435-6, E-ISSN - 1432-0630, Print- 0947-8396, IF : 2.983

34. Facile preparation of high fluorescent carbon quantum dots from orange waste peels for nonlinear optical applications Surendran P.;Lakshmanan A.;Vinitha G.;Ramalingam G.;Rameshkumar P. *Luminescence*, Volume 35, Year 2020, Pages 196-202. https://doi.org/10.1002/bio.3713, ISSN: 1098-8408, IF :2.98

33. Facile synthesis and defect optimization of 2D-layered MoS2 on TiO2 heterostructure for industrial effluent, wastewater treatments **Gopal R**.;Chinnapan M.M.;Bojarajan A.K.;Rotte N.K.;Ponraj J.S.;Ganesan R.;Atanas I.;Nadarajah M.;Manavalan R.K.;Gaspar *J. Scientific Reports*, Volume 10, Year 2020. doi: 10.1038/s41598-020-78268-4. ISSN: 1098-8408, IF :4.8

32. Effect of fuel content on nonlinear optical and antibacterial activities of Zn/Cu/Al2O4 nanoparticles prepared by microwave-assisted combustion method Lakshmanan A.;Surendran P.;SakthyPriya S.;Balakrishnan K.;Hegde T.A.;Vinitha G.;**Ramalingam G**.;Ravindran B.;Chang S.W.;Elshikh M.S.;Mahmoud A.H.;Al Farraj D.A.;Rameshkumar P. *Journal of King Saud University - Science*, Volume 32, Year 2020, Pages 1382 1389. https://doi.org/10.1016/j.jksus.2019.11.031, Print ISSN: 1018-3647,Online ISSN: 2213-686X, IF:3.829

31. Investigation of uni-directional nanorods composed microspheres and branched TiO2 nanorods towards solar cell application Arjunkumar B.;**Ramalingam G**.;Ramesh M.;Ponraj J.S.;Rao K.V. *Materials Letters*, Volume 273, Year 2020. DOI:10.1016/j.matlet.2020.127900, Print ISSN: 0167-577X, Online ISSN: 1873-4979, IF:3.574

30. Synthesis of titanium oxide nanoparticles using Aloe barbadensis mill and evaluation of its antibiofilm potential against Pseudomonas aeruginosa PAO1 Rajkumari J.;Magdalane C.M.;Siddhardha B.;Madhavan J.;**Ramalingam G**.;Al Dhabi N.A.;Arasu M.V.;Ghilan A.K.M.;Duraipandiayan V.;Kaviyarasu K.*Journal of Photochemistry and Photobiology B: Biology*, Volume 201, Year 2019. doi: 10.1016/j.jphotobiol.2019.111667, ISSN: 1098-8408

29. Efficacy of dye degradation of contaminated soil microbial isolates Biruntha M.;Archana J.;Kavitha K.;Vanimuthu K.;Selvi B.K.;John Paul J.A.;Vithyavathy R.M.;Kaviyarasu K.;**Ramalingam G**. *Materials Today: Proceedings*, Volume 36, Year 2019, Pages 167-170. DOI:10.1016/j.matpr.2020.02.692, Online ISSN: 2214-7853 IF : 0.904

28. Synthesis and characterization of CeO_2 nanoparticles by hydrothermal method Maria Magdalane C.;Kaviyarasu K.;Siddhardha B.;**Ramalingam G**.

Materials Today: Proceedings, Volume 36, Year 2019, Pages 130-132. DOI:10.1016/j.matpr.2020.02.283, Online ISSN: 2214-7853 IF : 0.904

27. Investigations on structural, electrical, and third order nonlinear optical properties of benzimidazolium maleate single crystal Sakthy Priya S.;Balakrishnan K.;Surendran P.;Lakshmanan A.;Pushpalatha S.;**Ramalingam** G.;Rameshkumar P.;Kaviyarasu K.;Ashok Hegde T.;Vinitha G. *Materials Today: Proceedings*, Volume 36, Year 2019, Pages 163-166. DOI: 10.1016/j.matpr.2020.02.680, Online ISSN: 2214-7853 IF :0.904

26. Optical and nonlinear optical properties of $Zn0.96Cu0.04Al_2O_4$ nanocomposites prepared by combustion method Surendran P.;Lakshmanan A.;Sakthy Priya S.;Balakrishnan K.;Hegde T.A.;Vinitha G.;**Ramalingam G**.;Rameshkumar P.;Kaviyarasu K. *Materials Today: Proceedings*, Volume 36, Year 2019, Pages 175-178. DOI:10.1016/j.matpr.2020.02.722, Online ISSN: 2214-7853 IF : 0.904

25. Structural and morphological properties of CO_3O_4 nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment Magdalane C.M.;Kaviyarasu K.;Arularasu M.V.;Kanimozhi K.;**Ramalingam G**. *Surfaces and Interfaces*, Volume 17, Year 2019. https://doi.org/10.1016/j.surfin.2019.100369 , Online ISSN: 2468-0230, IF :6.137

24. Self-cleaning mechanism of synthesized SnO2/TiO2 nanostructure for photocatalytic activity application for waste water treatment Magdalane C.M.;Kanimozhi K.;Arularasu M.V.;**Ramalingam G.**;Kaviyarasu K. *Surfaces and Interfaces*, Volume 17, Year 2019. https://doi.org/10.1016/j.surfin.2019.100346, Online ISSN: 2468-0230, IF :6.137

23. Green synthesis of ZnO nanoparticle using Prunus dulcis (Almond Gum) for antimicrobial and supercapacitor applications Theophil Anand G.;Renuka D.;Ramesh R.;Anandaraj L.;John Sundaram S.;**Ramalingam G**.;Magdalane C.M.;Bashir A.K.H.;Maaza M.;Kaviyarasu K. *Surfaces and Interfaces*, Volume 17, Year 2019. https://doi.org/10.1016/j.surfin.2019.100376 , Online ISSN: 2468-0230, IF :6.137

22. Investigation on antibacterial and photocatalytic degradation of Rhodamine-B dye under visible light irradiation by titanium molybdate nanoparticles prepared via microwave method Mobeen A.;Maria Magdalane C.;Jasmine Shahina S.K.;Lakshmi D.;Sundaram R.;**Ramalingam G**.;Raja A.;Madhavan J.;Letsholathebe D.;Bashir A.K.H.;Maaza M.;Kaviyarasu K. *Surfaces and Interfaces*, Volume 17, Year 2019. DOI:10.1016/j.surfin.2019.100381, Online ISSN: 2468-0230, IF :6.137

21. Mechanical and thermal properties of fiber reinforced styrene-ethylenebutylene-styrene (SEBS) composite doped with CuO, MgO and ZnO nanoparticles Ravichandran S.;Murugesan S.;**Ramalingam G**. Asian Journal of Chemistry, Volume 31, Year 2019, Pages 714-718. DOI:10.14233/ajchem.2019.21778 , ISSN: 9707077, IF :0.158

20. Superficial preparation of biocompatible carbon quantum dots for antimicrobial applications Lakshmanan A.;Surendran P.;Manivannan N.;Sathish M.;Balalakshmi C.;Suganthy N.;Rameshkumar P.;Kaviyarasu K.;**Ramalingam G**. Materials Today: Proceedings, Volume 36, Year 2019, Pages 171-174. DOI:10.1016/j.matpr.2020.02.694, Online ISSN: 2214-7853 IF : 0.943

19. Unstable cell efficiency in CdS quantum dot sensitized solar cell using low cost lugols iodine aqueous electrolyte Vignesh R.;Arjun Kumar B.;Muthuvinayagam A.;Elangovan T.;Kaviyarasu K.;Theophil Anand G.;Ramalingam G. *Materials Today: Proceedings*, Volume 36, Year 2019, Pages 159-162. DOI:10.1016/j.matpr.2020.02.674, Online ISSN: 2214-7853 IF :0.943

18. Synthesis of water-soluble and bio-taggable CdSe@ZnS quantum dots **Ramalingam G**.;Saravanan K.V.;Vizhi T.K.;Rajkumar M.;Baskar K. *RSC Advances*, Volume 8, Year 2018, Pages 8516-8527. DOI https://doi.org/10.1039/C7RA13400B, ISSN: 20462069, IF: 4.036

17. Structural, Morphological and Methanol Sensing Properties of Jet Nebulizer Spray Pyrolysis Effect of TiO_2 Doped SnO_2 Thin Film for Removal of Heavy Metal Ions N Manjula, K Kaviyarasu, A Ayeshamariam, G Selvan, A Diallo, **G Ramalingam**, SB Mohamed, D Letsholathebe, M Jayachandran *Journal of Nanoelectronics and Optoelectronics*, Volume , Year 2018, Pages. DOI:10.1166/jno.2018.2384, ISSN (Print): 1555-130X EISSN: 1555-1318, , IF:0.697

16. Global Strategy and Preparedness Plan for Accelerating Research and Development During Health Emergency Situations - New Threat of Disease X, **G. Ramalingam**, C. Ragupathi, K. Kaviyarasu, *International Journal of Nanotechnology in Medicine & Engineering*, Volume , Year 2018, Pages. ISSN: 2474-8811, IF:

15. Up-Scalable Synthesis of Size-Controlled White-Green Emitting Behavior of Core/Shell (CdSe/ZnS) Quantum Dots for LED Applications, **G.Ramalingam**, C Ragupathi, K Kaviyarasu, D Letsholathebe, SB Mohamed, C Maria Magdalane, GT Mola, Abdulgalim B Isaev, M Maaza , *Journal of nanomaterials*, Volume , Year 2018, Pages. doi: 10.1166/jnn.2019.16298 , ISSN: 1098-8408, IF :

14. Insight into the Bio-Approach of Claims for Quantum Dots by Using BioWaste (Rice Husk) E. Arivuselvi and **G.Ramalingam** *journal for Advance Research in Applied Sciences*, Volume, Year 2017, Pages. https://www.academia.edu/download/63493975/33-61-389-jaras-december20200601-18477-1yqdsnh.pdf , ISSN : 2394-8442, IF : 5.8

13. Preparation and Physicochemical Characterization of Ag Nanorods Phytosynthesis by the Petroselinum crispum Plant Extract C Ragupathi, R Azhagu Raj, **G Ramalingam**, K Arun Kumar, N Mohamed Basith *Advanced Science, Engineering and Medicine*, Volume , Year 2016, Pages. DOI: https://doi.org/10.1166/asem.2016.1927 , ISSN: 2164-6627 (print); EISSN: 2164-6635 (online), IF :

12. Bio-Encapsulated CdSe/ZnSe Composite Nanorods, G.RAMALINGAM, *Journal of Nanoscience and Technology*, Volume, Year 2016, Pages. https://jacsdirectory.com/journal-of-nanoscience-and-technology/articleview.php?id=34#.ZFIB0PjYVVU.link, ISSN: 2455-0191, IF :0.115

11. Synthesis, optical and morphological studies of Sol-Gel derived ZnO/PVP one dimensional Nano-composite. Subramanian Ravichandran, **G Ramalingam** *Journal of NanoScience and NanoTechnology*, Volume, Year 2013, Pages. ISSN: 2455-0191, IF:

10. Synthesis and characterization of CdSe/ZnSe nanorods, **Ramalingam G**.;Prasad S.S.;Madhavan J. *AIP Conference Proceedings*, Volume 1447, Year 2012, Pages 325-326. DOI: 10.1063/1.4710011, ISSN: 1551-7616, IF:

9. Growth, spectral and thermal studies of organic NLO crystals of DSAS by SNM technique Gunaseelan R.;Vijay R.;**Ramalingam G**.;Sagayaraj P. *AIP Conference Proceedings*, Volume 1349, Year 2011, Pages 206-207. https://doi.org/10.1063/1.3605808, ISSN:0094 -243X, IF:0.40

8. Synthesis of CdSe@ZnS quantum dots via non-TOPO hydrothermal techniques **Ramalingam G**.;Madhavan J.;Vijay R.;Vimalan M.;Sagayaraj P. *AIP Conference Proceedings*, Volume 1349, Year 2011, Pages 379-380. DOI:10.1063/1.3605893, ISSN: 0094243X, 15517616, IF:0.40

7. Development of CdS nanorods of high aspect ratio under hydrothermal conditions with PEG template Nirmala Jothi N.;Dennis Christy P.;Baby Suganthi A.;**Ramalingam G**.;Sagayaraj P. *Journal of Crystal Growth*, Volume 316, Year 2011, Pages 126-131. DOI:10.1016/j.jcrysgro.2010.12.055, Online ISSN: 1873-5002,Print ISSN: 0022-0248, IF:1.83

6. Investigation on the structural and morphological behaviour of CdSe nanoparticles by hydrothermal method **G Ramalingam,** *J Madhavan Archives of Applied Science Research*, Volume, Year 2011, Pages. http://scholarsresearchlibrary.com/archive.html , ISSN: 9075-508X, IF:

5. Synthesis and characterization of one dimensional semiconducting nanorods and nanobelts **Ramalingam G**.;Madhavan J.;Sagayaraj P.;Selvakumar S.;Gunaseelan R.;Jerald Vijay R. *Transactions of the Indian Institute of Metals*, Volume 64, Year 2011, Pages 217-220. DOI:10.1007/s12666-011-0043-3, Electronic ISSN: 0975-1645, Print ISSN: 0972-2815, IF:1.391

3. Structural and optical property studies of CdSe crystalline nanorods synthesized by a solvothermal method **Ramalingam G.;**Melikechi N.;Dennis Christy P.;Selvakumar S.;Sagayaraj P. *Journal of Crystal Growth*, Volume 311, Year 2009, Pages 3138-3142, DOI:10.1016/j.jcrysgro.2009.03.017, ISSN: Online ISSN: 1873-5002,Print ISSN: 0022-0248, IF:1.83

2. Optical and Structural Properties of Fluorine Doped SnO_2 on Si (100) for Photovoltaic Application S Nivetha, K Kaviyarasu, A Ayeshamariam, N Punithavelan, R Perumalsamy, A Diallo, **G Ramalingam,** SB Mohamed, D Letsholathebe, C Maria Magdalane, M Jayachandran *Journal of Nanoelectronics and Optoelectronics*, Volume , Pages. DOI: https://doi.org/10.1166/jno.2018.2383, ISSN: 1555-130X (Print): EISSN: 1555-1318 (Online) , IF:0.697

1. Influences of Temperature on Synthesis of α-Iron Oxide Nanoparticles, Characterization and Catalytic Activity Ragupathi, C.; Narayanan, S.; Pachamuthu, M. P.; Basith, N. Mohamed; Kannapiran, R.; **Ramalingam, G**. *Advanced Science, Engineering and Medicine*, , Volume 10, Pages 882-886. DOI: https://doi.org/10.1166/asem.2018.2188, ISSN: 2164-6627 (print); EISSN: 2164-6635 (online), IF:1.521

Membership in

Professional Bodies

1. Membership in IEEE
2. Member of Physics today- USA
3. Member International Nanoscience community
4. Member of Science and Engineering Institute
5. Life member of Material Research Society India (MRSI)
6. Life Member of Indian Science Congress Association (INSCA)
7. Life Member International Nanocrystal
8. Life Member in Australian Nanotechnology Network
9. Members in International Science Community
10. Member of reviewer board in, international journal of nanodimension, Journal of materials in electronic (JMRC), ionics, Arabian Journal of Chemistry, ACS applied nano materials, RSC Advances, PLOS one, Material chemistry physics letter, Current Nanomaterial -Bentham Science Publishers, Next sustainability, Molecules, Surfaces and interfaces, Inorganic chemistry communications, Heliyon, Environmental research, International journal of environmental research and public health etc.,

Events Participated (46)

Conferences / Seminars / Workshops: 37

List of papers presented in International Conferences/Seminar/Workshop Participated

1. Attended and presented paper at 5th International conference on Nanoscience and Technology (**ICONN 2019**) entitled " Design synthesis and physical of (core/shell) Quantum dots" at SRM institute of science and technology kattankulathur during **28th – 30th Jan 2019**
2. Presented a paper at **India – Uk** second international conference on " Advance nanomaterial for energy environment and healthcare application (ANEH – 2019)" organized by Bishop Heber College India and Swansea University UNITED KINGDOM from **4th to 6th Feb 2019**
3. Participated in International Conference on Advance Semiconductor Material and Devices (ICASMD- 2018)organized by C –Met Hyderabad during 8-10 March 2018.
4. International Conference on sustainable Energy Technology (I-SET 2018) organized by school of physics and school of Chemistry Bharathidasan University Tiruchirappalli on June 27 & 282018
5. International lecture workshop on Advanced Materials Engineering (PiE-IV)

6. International workshop on "Molecular Physiology, Therapeuties and Experimental Medicine" **MPTEM 2016**.
7. Internal conference on Recent Trends in Microbiology, **RTM-2016**

8. Attended and presented papers at **INDIA –UK** joint networking international scientific seminar on "Nanomaterials and Devices for Energy and Environment**"** held at Loyola College, Chennai on 16-18 December 2013. International Symposium on Nanotechnology- Present and Future Trends (**INSYN2010**), Center for Nano technology Research, VIT University, Vellore, Tamilnadu , 25 to 26 August 2010.
9. **INDO-ITALIAN** advanced level workshop on semiconductor nanostructures, ultra thin films and applications, organized by Anna University Chennai and Embassy of Italy, on Sep-8-10, 2010.
10. Synthesis, Structural and Optical properties of CdSe nanrods for nano photonics applications, **G. Ramalingam**, P. Dennis Christy, N.SNirmalaJothi, T. Rajesh Kumar, S. Selvakumar and P. Sagayaraj, International Conference on Fiber Optics and Photonics, **IIT Delhi**, 13 -17 December 2008, **ISBN: 978-81-309-1203-5.**
11. Synthesis and characterization of one-dimensional CdSe nanobelts by Hydrothermal method **G.Ramalingam**, P.Dennis Christry, N.S.Nirmala Jothi and P. Sagayaraj, International Conference on Nanoscience and Nanotechnology(**ICONN-2010**) SRM University, Kattankulathur-Chennai 603203, 24 Feb 2010. **ISBN: 978-8424-578-3.**

12. One step synthesis of spherical Gold Nanoparticles via wet chemical reduction method**,** Belina Xavier, P. Dennis Christy, **G. Ramalingam**, A. Ramanand, and P. Sagayaraj, International Conference on Nanoscience and Nanotechnology (**ICONN-2010**), SRM University, Kattankulathur- 603203 Chennai, 24 Feb 2010. **ISBN: 978-8424-578-3.**
13. Preparation and characterization of cadmium sulfidenanocrystals, N.S Nirmala Jothi, P. Dennis Christy, **G. Ramalingam**, A. Muthuvinayagam and P. Sagayaraj, 3rd International symposium for research scholars on metallurgy, materials science and Engineering(**ISRS 2010), IIT Madras**, Chennai, 10 - 12 December 2008 (**Best Paper awarded**).
14. Growth and Structure Evolution of Tin dioxide for Gas Sensor Application, A. Muthuvinayagam, P. Dennis Christy, N.S.Nirmala Jothi, **G. Ramalingam** and P. Sagayaraj, International Conference on "Recent trends in sensor- Development for the assessment and management of the environment", Loyola College, Chennai, 8 -10 January 2009.

15. Synthesis And Characterization Of One Dimensional Semiconductor Nanorods And Nanobelts, **G.Ramalingam**, J.Madhavan, S.Selvakumar, R.Gunaseelan, R.Jerald Vijay, P.Sagayaraj, International Symposium for Research Scholars (**ISRS 2010**) Organized by Department of Metallurgical and Materials Engineering, IIT Madras, December 20 – 22, 2010.
16. Activitely participated short term programme on "Nanostructured Materials Processing & Characterization" held at National Insistute of Technology Tiruchirappalli on 7 & 8 November, 2014.
17. International Seminar and Workshop on **Medical and Pharmaceutical Nanotechnology**, Anna University, Tiruchippalli, Tamil Nadu on Nov 25-27, 2009.

Other Training Programs

List of National Conference/Seminar/Workshop Participated

1. RUSA sponsored one day workshop on " Technical and Scholarly Writing" on 14th Feb 2019
2. 1st Two days National workshop on "Indigenous Cow management and their value added products " (ICMVAP 2018) held on 18th – 19th Dec 2018 organized by the Department of Animal Health and Management Alagappa University Karaikudi
3. One day workshop on "Design and development of MOOCs for the faculty members of Alagappa University and Affiliated Colleges held on 8th Nov 2018.
4. Participated in UGC Sponsored 102nd Orientation Programme from 18.05.2018 to 14.06.2018 and obtained the grade **A**
5. Participated lecture workshop on "topology and Quantum Mechanics held at P.B Siddhartha college of arts and science Vijayawada A.P on 9th to 10th Feb 2018.
6. Participated in the NPTEL workshop clonducted on July 15 2017 by IIT at Central Lecture Theare (CLT) IITM.
7. Participated and presented the "National Conference On Enhancing Entrepreneurship and Innovation in Biotechnology for sustainable Development" organized by TNSRO Pudukottai held on 28 and 29 July 2017 at H.H Thr Rajahs college Pudukotta. Paper title " Coreshell Preparation of cdse/zns Quantum Dots for Bio Imaging Application.
8. Participated in the World Animal day celebration organized by the department of Animal Health and Management Alagappa University Karaikudi held on 4th Oct 2017.
9. Participated in a one week short term training programme on research Publication and anti – Plagiarism organized by the Department of English and Foreign Languages and Centre for Technical and Academic Writing Alagappa University karaikudi on 9 – 15 Oct 2017.
10. Participated in the Kalam Young Researchers Conference (KYRC) – 01 held on 16th October 2017 at CSIR - CECRI karaikudi
11. Frontier Areas in Chemical Technologies FACTS-2016.
12. National Conference on Preparation and Characterization of Crystalline Materials (NCPCCM-2016)
13. Activitelly participated short term programme on "Nanostructured Materials Processing & Characterization" held at National Institute of Technology Tiruchirappalli on 7 & 8 November, 2014.
14. Synthesis, structural, optical and morphological studies of CdSe/CdTe core shell nanocrystals, **G.Ramalingam,** J.Madhavan, Recent advances in materials and technology, Sathayabama University, Chennai, 6-7 Jan**,** 2012.
15. CdSe/ZnSe composite nanorods synthesis and its structural, optical and morphological studies S.Shri Prasad, **G.Ramalingam**, J.Madhavan, national conference on nanoscience and nanotechnology (NCNN-2011), organized by university of madras, Chennai, August 25-27, 2011.
16. Synthesis and characterization of colloidal CdSe NRs,NBs and CdSe/ZnS QDs, **G.Ramalingam**, J.Madhavan, 98th Indian science congress, SRM university, Chennai, January 3-7, 2011.

17. Growth, Spectral and Thermal Studies of Organic NLO crystals of DSAS by SNM Technique, R. Gunaseelan, R. Jerald Vijay, **G. Ramalingam** and P. Sagayaraj, 55th DAE Solid State Physics Symposium (2010).

18. Growth, structural, linear and nonlinear optical and thermal studies of SR method grown LPM crystal, R. Gunaseelan,P. Ramesh Kumar, S. Selvakumar, **G. Ramalingam** and P. Sagayaraj, 15th National Seminar on Crystal Growth, PSN College of Engineering, Thiruneleveli, Tamil Nadu, March, 24-26, 2011.

19. Third order nonlinear optical properties of 4-N, N-dimethylamino-4'-N'- methyl-stilbazolium iodide (DMSI) single crystal, R. Gunaseelan, A. Antony Raj **G. Ramalingam**, R. Jerald Vijay and P. Sagayaraj, National Seminor on "Recent trends in nonlinear optical materials and characterization", Post Graduate Dept.of.Physics, Sacred Heart College, March 10-11, 2011, Chalakudy, Kerala.

20. Unidirectional growth, rocking curve, linear and nonlinear optical properties of LPHCl single crystals, P. Ramesh Kumar,R.Gunaseelan**,** S. Kumararaman **G. Ramalingam** and P. Sagayaraj, RASH'11, National Conference on recent advancements in Science and Humanities, 18-19 march 2011 UIT, Coimbatore-641020.

21. Synthesis of CdSe@ZnS Quantum Dots via Non-TOPO Hydrothermal Techniques, **G.Ramalingam**, J.Madhavan, R.Jerald Vijay, M.Vimalan,55th DAE Solid State Physics Symposium, Manipal University, December 26 – 30, 2010.

22. Growth, spectral and thermal studies of organic NLO crystal of DSAS by SNM technique, R. Gunaseelan, **G. Ramalingam**, R. Jerald Vijay and P. Sagayaraj, 55th DAE Solid State Physics Symposium, Manipal University, December 26 – 30, 2010

23. UGC sponsored workshop on "Recent Trends in Crystal Growth" Organized by crystal growth centre, Anna university Chennai on 30th march 2010.

24. National conference on "Advances in Nanomaterials in Catalysis" Organized by department of chemistry, Loyola College, Chennai on Dec 18-19, 2010.

25. Selective synthesis of CdSe nanoparticles through a novel Solvothermal route, A.R. Baby Sunganthi, N.S. NirmalaJothi, **G. Ramalingam**, P. Dennis Christy, P. Sagayaraj, DAE Solid State Physics Symposium 2009 (DAE-SSPS-2009), Maharaja Sayajirao University of Baroda was held during December 14-18, 2009 at the Maharaja Sayajirao University of Baroda, Vadodara.

26. Low temperature hydrothermal synthesis of CdS sub micro and micro sphere self assembled from nanoparticles, N. S. NirmalaJothi, P. Dennis Christy, **G. Ramalingam**, A. Muthuvinayagam and P. Sagayaraj, Eighth DAE-BRNS National Laser Symposium, LASTEC, Delhi, January 7-10, 2009.

27. Investigation on low temperature growth and structural properties of highly crystalline titania nanoparticles, P. Dennis Christy, N. S NirmalaJothi, **G. Ramalingam,** A. R Baby Suganthi and P. Sagayaraj, 13th National Seminar on Crystal Growth, SSN College of Engineering, Kalavakkam, Tamil Nadu, January 27 – 29, 2009.

28. Preparation of highly crystalline titania nanoparticles using solvothermal method, P. Dennis Christy, **G. Ramalingam** and P. Sagayaraj, National Seminar on Recent Advances in Physics, Department of Physics, St. Xavier's College (Autonomous), Palayamkottai, Tamil Nadu, February 26-27, 2009.

29. 13th National Seminar on Crystal Growth 27-29 Jan 2009, by centre for crystal growth, SSN College of Engineering

Training courses and conferences / Seminars / Workshop attended

Event	Organizer / Place	Period / Duration
Refresher Courses / Training programmes	102 nd orientation programme , Bharathidasan University, Trichy	18-05-2018 TO 14-06-2018
Methodology workshop	Teaching and learning of fabrication of thin film & optoelectronic devices through hands on experience , NIT Warangal,	3-07-2018 TO 8-07-2018
	NPTEL- structural analysis of nanomaterials	Aug 2018-Sep 2018,
Teaching-learning-evaluation programme	FED for accreditation Preparedness engagement , Alagappa University	18-23th Sep 2016
	Accreditation quality enhancement , Alagappa University	6^{th}-12^{th} Jan 2017
Soft skill development	Traning programme on research publication and anti-plagiarism, Alagappa University	9-15^{th} Oct.2017

Academic Activates

S. No	Member/Positions held	Name of the Institutions	Duration	
			From	To
1.	Department NAAC & IQAC coordinator	Alagappa University	2016	2019
2.	University Dy.Coordinator SWAYAM	Alagappa University	9-02-2018	Till date
3.	NEHEJRF to NFHESRF Expert committee	Periyar EVR college, Trichy	23-03-2018	Till date
4.	Stock verification officer	Alagappa University	30-07-2018	Till date
5.	SPDF/PDF Scrutiny committee	Alagappa University	6-07-2019	Till date
6.	Co-coordinator of Entrepreneurship, Innovation and Career Hub	Alagappa University	30-09-2019	Till date
7	Doctoral committee member	VIT, Vellore	14-10-2019	Till date
8	Doctoral committee member	Bharathidasan University	09-02-2018	Till date
9	Curriculum Development cell –Dept. coordinator	Alagappa University	27-11-2019	Till date
10	Village Extension Programme(VEP) coordinator	Alagappa University	3-10-2018	Till date

Academic Identity

1. https://orcid.org/0000-0001-6337-0437
2. https://www.scopus.com/authid/detail.uri?authorId=57206136779
3. https://scholar.google.co.in/citations?user=https://scholar.google.com/citations?user=I9TsAbIAAAAJ&hl=en&user=I9TsAbIAAAAJ

4. https://www.researchgate.net/profile/Ramalingam-Gopal
5. https://vidwan.inflibnet.ac.in/profile/68065?fbclid=IwAR0pqMwrbN3pgTNVnfLwhyj_5mUiabz4G0iGsDWnTYWxZEyr6OjjZaDpGhQ
6. https://www.facebook.com/ramalingam.gopal/