



NAME : Dr. G. RAMALINGAM
DESIGNATION :Assistant Professor

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Academic Qualifications

Degree	Institution	Year	Branch	Class
M.Sc(Physics)	University of Madras/Loyola College	2006	Physics	First class
B.Ed(Physical Science)	University of Madras	2007	Physics	First class
M.Phil(Physics)	University of Madras/Loyola College	2009	Physics	First class
Ph.D(Physics)	University of Madras	2012	Physics	Degree awarded

Teaching Experience:

Total Teaching Experience : 10 Years and 6 months

Position	Institution	Duration
Assistance Professor	Alagappa University	11-02-2016 to till date
Assistance Professor (Adhoc)	National Institute of Technology (NIT), Calicut-Kerala	6-Months
Guest Faculty	Central University of Tamil Nadu, Thiruvavur.	1-year
Lecturer	Sathyabama University, Chennai	3-years

Research Experience

Total Research Experience : Years 12

Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	To
1	Department IQAC coordinator	Alagappa University	2016	Till date
2	University Coordinator SWAYAM	Alagappa University	9-02-2024	Till date
4	Stock verification officer	Alagappa University	30-07-2018	Till date

Areas of Research

Quantum/Nanomaterials Research (QMR)

- ❖ Semiconductor Nanomaterials for Solar cell, Quantum LEDs (Q-LEDS) and Other Energy harvesting application.
- ❖ Graphane Quantum Dots for Industrial Application
- ❖ H₂ storage, CO₂ capture, and make useful products through C-H activation chemistry
- ❖ Highly luminescence Nanomaterials 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	4
	M.Phil	2	-
	PG	35	4
Project	UG/ Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
90	20	4	30	03

Cumulative Impact Factor (as per JCR) :322.725+

h-index :26+

i10 index :58+

Total Citations :2457+

Ongoing Projects:

Funded Research Projects

S.No	Agency	Period		Project Title	Budget (Rs.)
		From	To		
1	TBRP-RUSA 	2022-2024		Advanced Nanomaterials for Energy and Environmental Application	6,00,000/-
2	UGC-DAE-CSR 	2025-2027		Room Temperature Ferromagnetic Behaviour of Vanadium based 2D nanomaterials	Accepted for Funding

Completed Projects:

S. No	Agency	Period		Project Title	Budget (Rs.)
		From	To		
1	AURF-Start up grant 	2017-2019		Quantum Dots for Bio-Imaging Applications	1,00,000/-
2	 TNSCST	2019-2020		TNSCST-Young Scientist Fellowship	15,100/-
3	DST-SERB 	2017-2020		Fabrication of One Dimensional (1-D) Nanomaterial with Quantum Dots (QDs) for Solar Cell Application	24,75,000/-
4	MHRD-SPARC 	2019-2023		2D-QDs (Two Dimensional QDs): Synthesis and Applications in Electroluminescent diodes, Sensors and Solar Cells	72,00,000/-

5	RUSA-TBRP 	2019-2023	Advanced Nanomaterials for Energy and Environmental Application	10,00,000/-
6	DST-SERB 	2022-2023	ICANEE-2023	1,50,000/-
7	RUSA-EIR 	2022-2023	Mxene Based Nanoink for Pervioskite Solar Cell (Co-PI: <i>Janana Priya V</i>)	50,000/-
8	RUSA-EIR 	2022-2023	Preparation of Novel Transition metal carbides and composites for hybrid super capacitor application (Co-PI: <i>T.Keerthana</i>)	50,000/-

Other Fund Received as Research Mentor:

S.No	Agency	Period		Project Title	Budget (Rs.)
		From	To		
1	TNSCST 	2022-2023		Inkjet printing of nano inks for scalable fabrication for dye sensitized solar cell	7500/-
2	TNSCST	2018		AATRAL TAMIL SCIENCE MAGAZINE	10,000/-

Distinctive Achievements / Awards

1. Ariviyal Mudhumunaivar **Sethu. Gunasekaran Award**" by Indian Spectro Physics Association (ISPA-2024) in Chennai
2. Best Research paper award at iCAM-2022 @Sathayabama University-Chennai
3. **Promising Researcher award-2022 and outstanding researcher award 2025** by Alagappa University
4. Alagappar **Research Recognizing Award-2020, 2023** by Alagappa University
5. Certificate of Appreciation for RUSA 2.0 – 2020 for increasing H-Index
6. Award of **Young Scientist** Fellowship from Tamil Nadu State Science and Technology (Government of Tamil Nadu) **TNSCST-2019.**
7. Innovative Scientific Research Technologist & Dedicated Academician (Nanoscience &Tech.) award by global awards-Malaysia**(2018)**
8. Best Research paper award at IIT-Madras (**ISRS2010**)
9. Award and prize of General Proficiency in Physics(B.Sc) –Voorhees College Vellore
10. Prize of Best Student award (B.Sc) -Voorhees College Vellore

Events organized in leading roles

Number of Seminars /Conferences / Workshops / Events organized : **08**

Position	Programme	Duration	Institution
Convener & Organizing Secretary, DST-SERB Sponsor	2 nd International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2023),	18-21 th Feb 2023	Alagappa University
Convener & Organizing Secretary	Indo - UK International Virtual Conference on Advanced Nanomaterials for Energy and Environmental Applications (ICANEE-2020)	16-18 th Sep 2020	Alagappa University
Organizing Secretary	Three Days International Virtual Seminar on The Role of Nanotechnology Against COVID-19	20 -22 May 2020	Alagappa University
Organizing Secretary	International Conference Advanced Nanomaterials (ICAN-2018)	Feb 2018	Alagappa University
Organizing committee	National seminar on Nanomaterials for specialized application	2017	Alagappa

			University
Organizing Secretary	National seminar on World Standards day(WSD-2016)	2016	Alagappa University
Organizing committee	National Conference on Recent Advances in Materials and Technology(NCRAMAT-2012)	2012	Alagappa University
Organizing Secretary	Workshop on virtual lab and MOOCS	2018	Alagappa University

Events Presented & Participated

Number of Conferences/Seminars/Workshops:50

List of Invited Talk

S.No.	Name of the Conference, Year, Place & Duration
1	Frontier area of Nanotechnology and hope for Science Graduate, 01/10/2018, Sriram College of Arts & Science, Tiruvallur
2	Design, Synthesis and Physical properties of (core/shell) Quantum Dots, 28/01/2019 - 30/01/2019, SRM Institute of Science and Technology, Kattankulathur
3	Simultaneous Growth of CdS Nanoparticles and Photoanode TiO ₂ microrods on FTO Substrate for Sensitized Solarcell, 01/02/2019, Vanniaperumal college for women, Virudhunagar
4	A Study of Highly fluorescent, Blue emission CQDs with enhanced – NLO Response, 04/02/2019 – 06/02/2019, Bishop Heber college, Tiruchirappalli
5	Nanomaterial for solar cell application, 26/08/2019, Aditanar College of Arts and science, Tiruchendur
6	Perspectives in Physics Graduation, 04/09/2019, Raja Duraisingam Government Arts College, Sivagangai
7	Concept and Development Growth Aspect of Quantum Dot Sensitized Solar Cells (QDSSC), 24/01/2020, St Joseph College of Arts and Science, Cuddalore
8	Recent Developments of quantum dots Sensitized Solar Cells: Concepts and Experimental, 06/02/2020, Government Arts College Salem
9	QDSSC for solar cell Application and Prospective of Physics Graduation, 09/03/2020, Holy cross college, Trichy

10	Developments of Nanomaterials for Dye Sensitized Solar Cells, 17/12/2020 – 18/12/2020, Sri Sivasubramaniya Nadar College of Engineering, Chennai
11	Facile Preparation of High Fluorescent Carbon Quantum Dots from Bio-waste Peels for Nonlinear Optical Applications, 26/12/2020- 29/12/2020, Bharathidasan University, Tiruchirapalli
12	Fabrication of Quantum Dots Sensitized Solar Cell, 25/05/2020 -30/05/2020, SSN college of Engineering, Kalavakkam
13	Frontier Area of Nanomaterials and its Applications Solar Cells, 03/02/2021, Adikavi Nannaya University, Rajamahendravaram
14	Inorganic and Organic Quantum dots for Optoelectronics Applications. 22/06/2021 – 28/06/2021, Karpagam Academy of Higher Education, Coimbatore
15.	Device Demonstrative and Future Perspective of QDSSC 13/07/2021 – 20/07/2021, PPG college of Arts and Science, Coimbatore
16	02/08/2021 – 06/08/2021, Virtual programme by Alagappa University and Brunel University, London
17.	Scope and Career Opportunities for Physics Graduates, 22/10/2021, St Xavier College, Palayamkottai
18	Advanced Materials – The way to Sustainable Development, 12/10/2022, Sri Sarada College for Women
19	Fabrication Methods and Challenges of Large Area Dye Sensitized Solar Cells, 12/01/2023 – 13/01/2023, Cardamon Planters Association College, Theni Dist.
20.	Keywords in Tamil, 10/03/2023, Senthamizh Sorripappayal Agarmudhalil thiyakam, Chennai

Overseas Exposure/Visits

- 1. University of Mara Technological University -Malaysia** Participated & presented International Award Function - Innovative Research (Social Work) & Dedicated Academician Award, 2018. Global Professionals – Educationalist Awards & Honours Convocation at International Convention on Innovative Scientific Research Strategies, Kulalambur, Malaysia (Alagappa University Funding)
- 2. National University of Singapore (NUS)-Singapore Research Collaborating Country** Participated Research and Exhibition of Solar Unit - National University of Singapore, Singapore, October, 2018. (Alagappa University Funding)

Collaboration 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**

Membership

Professional Bodies

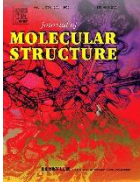
1. Membership in IEEE
2. Member of Physics today- USA
3. Member International Nanoscience community
4. Member of Science and Engineering Institute
5. Life member of Material Research Society India (MRSI)
6. Life Member of Indian Science Congress Association (INSCA)
7. Life Member International Nanocrystal
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, ACS Omega, 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.,

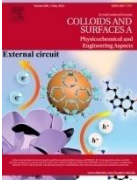
Ph.D. Thesis Guided

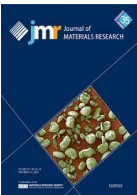
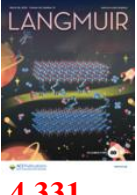
1. No. of PhD Thesis evaluated : 1
2. No.of PhD Public Viva Voce Examination : 1
conducted

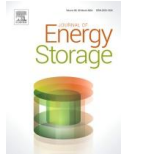
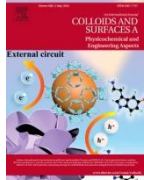
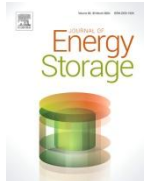
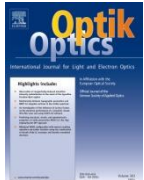
S.No	Name of the Scholar	Title of the Thesis	Year of Completion
1	B. Arjun Kumar	Nanoarchitectonics of Two Dimensional Nanosheets for Integrated Energy Harvesting and Storage Applications	2023

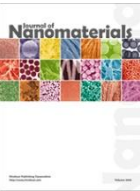
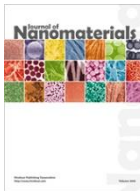
List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal (SCOPUS)	Impact Factor
90	Hierarchical MoS ₂ incorporated Ti ₃ C ₂ MXene nanohybrids system for enhanced supercapacitor application., S. Hepsibha ^{1,4} · C. Maria Magdalane ¹ · T. Keerthana ² · Gopal Ramalingam · Nadarajah Manivannan ³ ., <i>Journal of Solid State Electrochemistry</i> (2025): 1-12. https://doi.org/10.1007/s10008-025-06335-9	 2.6
89	Self-assembled and highly faceted Mn-doped vanadium pentoxide nanorods for supercapacitor electrode Keerthana, T., et al. "Self-assembled and highly faceted Mn-doped vanadium pentoxide nanorods for supercapacitor electrode." <i>Journal of Molecular Structure</i> 1330 (2025): 141493. https://doi.org/10.1016/j.molstruc.2025.141493	 4.7
88	"Enhanced Electrochemical Performance of (MoS ₂ @ NiSe ₂) (0d/1d) Hybrid Nanostructures for Supercapacitors." Dhanasekaran, Gokulnath, Nisha Parthiban, T. Keerthana, Ramalingam Gopal , Sambasivam Sangaraju, Sabyasachi Chakraborty, and T. Elangovan. Available at SSRN 5023533. <i>B Materials Science and Engineering B</i> 313 (2025) 117975 https://doi.org/10.1016/j.mseb.2024.117975	 4.6
87	Efficient processed carbon Soot@MoS ₂ hybrid Bi-functional electrode for dye-sensitized solar cell and asymmetric supercapacitor devices, B Arjun Kumar, Gopal Ramalingam , Salah Addin Burhan Al Omari, Zhumabay Bakenov, Sambasivam Sangaraju, Sangarapani Sudhakar, <i>Nano Materials Science</i> , (2024), article in press https://doi.org/10.1016/j.nanoms.2024.01.001	 17.9
86	Hydrothermal synthesis of MoS ₂ -Mg (OH) ₂ -BiVO ₄ ternary hierarchical heterostructures for dye-sensitized solar cell application, D Karthigaimuthu, PardhaSaradhi Maram, B Arjun Kumar, G Ramalingam , T Elangovan, Sambasivam Sangaraju, <i>Materials Letters</i> (2024), 359, 135890, https://doi.org/10.1016/j.matlet.2024.135890	 3.0
85	Solid-state synthesis of the RGO-Ba(OH) ₂ /CeO ₂ /TiO ₂ novel electrode for energy storage performance., Sreenivasa Kumar Godlaveeti, Sai Kumar Arla, Adinarayana Reddy Somala, Sambasivam Sangaraju, Asma A. Alothman, Mohammed Mushab, Ramamanohar Reddy Nagireddy & Gopal Ramalingam ., <i>Carbon Letters</i> .,(2024) https://doi.org/10.1007/s42823-023-00665-2 ., Electronic ISSN 2233-4998., Print ISSN1976-4251	 4.5

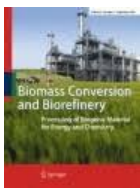
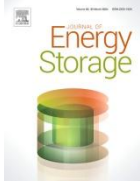
84	Evaluation of electronic properties, molecular profiling, bioactivity score, anti microbial activity and quantum computational studies on methyl (2E)-2-[N-(2-formylphenyl)(4-methylbenzene)sulfonamide]methyl}-3-[4-(propan-2-yl)phenyl]prop-2-enoate..., S. Santhosh a, P. Chakkaravarthy b, D. Babu c, G. Ramalingam d, V. Vetrivelan..., <i>Chemical Physics Impact.</i> , Volume 8, June 2024, 100511 (2024)...., https://doi.org/10.1016/j.chphi.2024.100511 Online ISSN: 2667-0224	 2.2
83	Synthesis and characterization of transition metals (Mn, Fe, Co, Ni) doped tin oxide for magnetic and antimicrobial studies.,T. Amutha a, M. Rameshbabu b, S. Sasi Florence c, G. Ramalingam d, S. Muthupandie,K. Prabha a,*., <i>Materials Science & Engineering B.</i> ,299 (2024) 117047.,. Print ISSN: 0921-5093 .,Online ISSN: 1873-4936	 3.6
82	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, , Volume 305, 15 January 2024, 123527, https://doi.org/10.1016/j.saa.2023.123527 , Print ISSN: 1386-1425., Online ISSN: 1873-3557	 4.4
81	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, PitcheriRosaiah, Sambasivam Sangaraju, Gopal Ramalingam , Ahmad Jwuiyad, Sreedhar Adem, Tae Jo Ko, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 680, 132615, Jan.2024, https://doi.org/10.1016/j.colsurfa.2023.132615 , Online ISSN: 1873-4359., Print ISSN: 0927-7757	 5.2
80	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, <i>Materials Science and Engineering: B</i> , https://doi.org/10.1016/j.mseb.2023.117047 , Online ISSN: 1873-4944, Print ISSN: 0921-5107	 3.6
79	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, <i>Carbon Letters</i> , 2023, 1-10, https://doi.org/10.1007/s42823-023-00646-5 , Electronic ISSN 2233-4998., Print ISSN1976-4251	 4.5

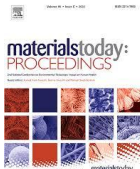
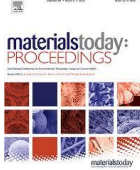
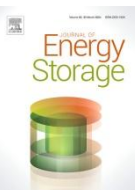
78	Synthesis of highly efficient (Cr, Gd) co-doped CdS quantum dots for photocatalytic H ₂ evolution beneath artificial solar light irradiation, B Poornaprakash, B Purusottam Reddy, P Reddy Prasad, A Subba Reddy, K Subramanyam, M Siva Pratap Reddy, Ammar M Tghezza, Sambasivam Sangaraju, Si-Hyun Park, Min-Woo Kwon, YL Kim, Ramalingam Gopal , <i>Ceramics International</i> , IN PRESS 2023, https://doi.org/10.1016/j.ceramint.2023.11.318 , Print ISSN: 0272-8842Online ISSN: 1873-3956	 5.2
77	Synthesis and characterization of lamellar-like Cu ₂ (OH) ₃ NO ₃ 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, <i>Journal of Materials Research</i> , 1-17, 2023, https://doi.org/10.1557/s43578-023-01218-z , Electronic ISSN 2044-5326., Print ISSN :0884-2914	 2.70
76	Correlation between the particle size, structural and photoluminescence spectra of nano NiCr ₂ O ₄ and La doped NiCr ₂ O ₄ 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, <i>Heliyon</i> , Volume 9, Issue 11, November 2023, e21981 https://doi.org/10.1016/j.heliyon.2023.e21981 , Online ISSN: 2405-8440	 4
75	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, <i>Journal of Materials Research and Technology</i> , 27, 4440-4451, 2023, https://doi.org/10.1016/j.jmrt.2023.10.244 , Online ISSN: 2214-0697, Print ISSN: 2238-7854	 6.4
74	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, <i>ACS-Langmuir</i> , 2023, 39, 45, 15864–15877., Print Edition ISSN: 0743-7463., Web Edition ISSN: 1520-5827	 4.331
73	Synthesis, Structure, Morphology, Element composition, Electrochemical, and Optical studies of Zn _{0.98} -XMn _{0.02} CeX Quantum dots, P Sakthivel, RV Mangalaraja, G Ramalingam , K Sakthipandi, V Gowtham, <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> , 303, 123140, 2023. Print ISSN: 1386-1425., Online ISSN: 1873-3557	 4.4
72	In situ addition WS ₂ quantum dots on polymer films for white emission LED applications, B Arjun Kumar, P Subalakshmi, Mohammed Mujahid Alam, Gopal Ramalingam , Sambasivam Sangaraju, <i>Materials Letters</i> , 352, 135135, 2023. Print ISSN: 0167-577X., Online ISSN: 1873-4979	 3.0

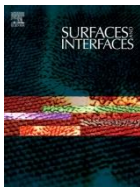
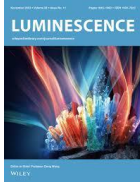
71	Europium decorated hierarchical TiO ₂ heterojunction nanostructure with enhanced UV light photocatalytic activity for degradation of toxic industrial effluent, Y Nirmal Rajeev, C Maria Magdalane, S Hepsibha, Gopal Ramalingam , B Arjun Kumar, L Bhushan Kumar, Sangaraju Sambasivam, <i>Inorganic Chemistry Communications</i> , 157, 111339, 2023. Print ISSN: 1387-7003., Online ISSN: 1879-0259	 3.8
70	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, <i>Journal of Energy Storage</i> , 71, 108176, 2023 .,Online ISSN: 2352-1538, Print ISSN: 2352-152X	 9.4
69	Mesostructured Graphitic Carbon Nitride Composites with Silver Nanoparticle Decoration as the Best Visible-Light-Driven Photocatalysts for Dye Degradation and H ₂ Production, Guru Prakash Nunna, P Rosaiah, Sangaraju Sambasivam, Gopal Ramalingam , Ahmad Jwuiyad, Adem Sreedhar, Tae Jo Ko, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , Oct 2023 in press ., Online ISSN: 1873-4359., Print ISSN: 0927-7757	 5.2
68	Green Solvent exfoliation of few layers 2D-MoS ₂ nanosheets for efficient energy harvesting and storage application. B.ArjunKumar,Thangavel Elangovan, Kumar Raju, Gopal Ramalingam , Sangaraju Sambasivam, Mohammed Mujahid Alam. <i>Journal of Energy Storage</i> , 65, 107336, 2023. Online ISSN: 2352-1538 .,Print ISSN: 2352-152X.	 9.4
67	Study of Ce-doping effects on optical, morphological, magnetic, structural, and antibacterial properties of NiCr ₂ O ₄ ceramics, C Ragupathi, VT Geetha, S Narayanan, P Tamizhdurai, G Ramalingam , VL Mangesh, R Kumaran, Amer M Alanazi, Aboud Ahmed Awadh Bahajjaj, Mani Govindasamy, <i>Materials Science and Engineering: B</i> , 291, 116358, 2023.,Online ISSN: 1873-4944.,Print ISSN: 0921-5107	 3.6
66	Surfactant FeCo ₂ O ₄ 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, <i>Optik</i> , 170786, 2023, Print ISSN: 0030-4026., Online ISSN: 1618-1336	 3.1
65	Effects of Different Precursors on Particle Size and Optical–Magnetic Properties of ZnCr ₂ O ₄ Nanoparticles Prepared by Microwave-Assisted Method, P Sankudevan, RV Sakthivel, K Poonkodi, Gopal Ramalingam , C Raghupathi, Mohammed Mujahid Alam, Baskaran Rangasamy, <i>Journal of Nanomaterials</i> , 2023, ISSN: 1687-4110 (Print) .,ISSN: 1687-4129 (Online)	 3.791

64	Fabrication of highly efficient and cost-effective dye-sensitized solar cells using ZnO/MWCNT nanocomposite as photoanode Vijayanath S.;JanakiK.; GopalR. ;RagupathiC.;RangasamyB.;Alam M.M. <i>Journal of Solid State Electrochemistry</i> , Volume 27, Year 2023, Pages 183-194 DOI:10.1007/s10008-022-05312-w., ISSN Number: Electronic ISSN 2044-5326, Print ISSN0884-2914	 2.5
63	Effects of Different Precursors on Particle Size and Optical-Magnetic Properties of ZnCr2O4 Nanoparticles Prepared by Microwave-Assisted MethodSankudevanP.;SakthivelR.V.;Poonkodi K.; Ramalingam G. ;Raghupathi C.; Alam M.M.;Rangasamy B. <i>Journal of Nanomaterials</i> , Volume 2023, Year 2023 https://doi.org/10.1155/2023/2856806 ., ISSN Number: ISSN: 2356-6140 (Print)., ISSN: 1537-744X .,	 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. <i>Materials Letters</i> , Volume 309, Year 2022 https://doi.org/10.1016/j.matlet.2021.131371 ., ISSN Number: 0167-577X .,	 3
61	Synthesis of MoS2/Mg(OH)2/BiVO4 hybrid photocatalyst by ultrasonic homogenization assisted hydrothermal methods and its application as sunlight active photocatalyst for water decontamination Karthigaimuthu D.;RamasundaramS.;NishaP.;Arjun Kumar B.;SriramJ.; Ramalingam G. ;VijaibharathyP.;OhT.H.;Elangovan T. <i>Chemosphere</i> , Volume 308, Year 2022., https://doi.org/10.1016/j.chemosphere.2022.136406 ., ISSN Number: 0045-6535.,	 8.8
60	Eco-Friendly Synthesis of Multishaped Crystalline Silver Nanoparticles Using Hill Garlic Extract and Their Potential Application as an Antifungal Agent NallalV.U.M.;RaziaM.;DuruO.A.; RamalingamG. ;ChinnappanS.;ChandrasekaranM .;GenganR.M.;ChungW.J.;ChangS.W.;Ravindran B. <i>Journal of Nanomaterials</i> , Volume 2022, Year 2022 ., https://doi.org/10.1155/2022/7613210 ., ISSN Number: series ISSN1612-1317 , Series E-ISSN1868-1212 ,	 3.791
59	The role of sodium dodecyl sulfate mediated hydrothermal synthesis of MoS2 nanosheets for photocatalytic dye degradation and dye-sensitized solar cell applicationDharamalingamK.;Arjun Kumar B.; RamalingamG. ;Sasi Florence S.;RajuK.;Senthil Kumar P.;GovindarajuS.;Thangavel E. <i>Chemosphere</i> , Volume 294, Year 2022. https://doi.org/10.1016/j.chemosphere.2022.133725 , ISSN Number: 0045-6535.	 8.8

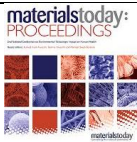
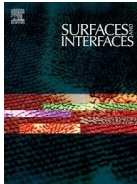
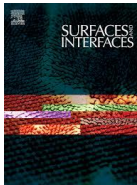
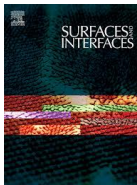
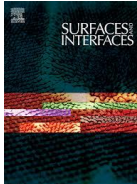
58	Optical, Thermal and Magnetic Properties of Strontium Ferrite Nanoparticles Saravanan S.;SivanandanT.;Ramalingam G. <i>International Journal of Nanoscience and Nanotechnology</i> , Volume 18, Year 2022, Pages 275-284. Doi :10.22034/IJNN.2022.697998, ISSN:2455-0191,	 1.70
57	Investigation of Lithium Iodide Intercalated 2D-nanosheets for DSSC Applications Babu J.;RajA.A.;AsgharJ.;Kumar B.A.;SigamaniS.; Ramalingam G. <i>International Journal of Renewable Energy Research</i> , Volume 12, Year 2022, Pages 1662-1669. DOI:10.20508/ijrer.v12i3.13251.g8552, ISSN: 1309-0127,	 1.2
56	Cerium-based metal sulfide derived nanocomposite-embedded rGO as an efficient catalyst for photocatalytic application Narthana Kandhasamy., GovindhasamyMurugadoss ., Thiruppathi Kannappan ., Kamalan Kirubaharan ., Rajesh Kumar Manavalan ., Ramalingam Gopal . , <i>Environmental Science and Pollution Research</i> , Volume , Year 2022. DOI: 10.1007/s11356-022-24311-y, ISSN:2348-392X,	 5.8
55	Catalytic and Photocatalytic Degradation Activities of Nanoscale MnDoped ZnCr2O4 SankudevanP.;SakthivelR.V.; Gopal R. ;RaghupathiC.;AmbikaS.;Mujahid Alam M.;RangasamyB. <i>Advances in Materials Science and Engineering</i> , Volume 2022, Year 2022. https://doi.org/10.1155/2022/7056380 , ISSN: 16878442, 16878434,	 2.56
54	Blue Emissive Carbon Quantum Dots (CQDs) from Bio-waste Peels and Its Antioxidant ActivityRajamanikandanS.;BirunthaM.; Ramalingam G. <i>Journal of Cluster Science</i> , Volume 33, Year 2022, Pages 1045-1053, DOI:10.1007/s10876-021-02029-0, Electronic ISSN: 1572-8862, Print ISSN: 1040-7278,	 3.80
53	Enhanced visible light-driven photocatalytic performance of CdSe nanorods Ramalingam G. ;MagdalaneC.M.;Arjun Kumar B.;YuvakkumarR.;RaviG.;Jothi A.I.;RotteN.K.;MurugadossG.;Ananth A. <i>Environmental Research</i> , Volume 203, Year 2022. DOI: 10.1016/j.envres.2021.111855, ISSN: 1098-8408,	 8.3
52	Fabrication and characterization of Th(MoO4)2/TiO2 nanocomposite for potential use in photocatalytic degradation of toxic pollutants. AmanullaM.;MagdalaneC.M.; RamalingamG. ;SundaramR.;Tamam N.;Somaily H.H.;Al-Buriahi M.S. <i>Applied Physics A: Materials Science and Processing</i> , Volume 128, Year 2022. DOI:10.1007/s00339-022-05504-1, E-ISSN:1432-0630, Print ISSN: 0947-8396.	 2.7

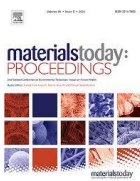
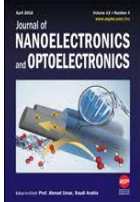
51	Enhanced α -Mn ₂ O ₃ nanorods synthesized by one-pot hydrothermal route for supercapacitors Arjun Kumar B.; Ramalingam G. ;Rangasamy B.;Lahiri A.;Somaily H.H.;Alzahrani J.S.;Al-Buriahi M.S. <i>Journal of Materials Science: Materials in Electronics</i> , Volume 33, Year 2022, Pages 11067-11077. DOI:10.1007/s10854-022-08084-1, Electronic ISSN: 1573-4803, Print ISSN :0022-2461	 2.8
50	Photocatalytic activity of hierarchical CTAB-assisted TiO ₂ 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. <i>Applied Physics A: Materials Science and Processing</i> , Volume 128, Year 2022. DOI:10.1007/s00339-022-05406-2, Electronic ISSN :1432-0630, Print ISSN :0947-8396,	 2.7
49	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. <i>Biomass Conversion and Biorefinery</i> , Volume , Year 2022. DOI:10.1007/s13399-022-02770-0, Electronic ISSN :2190-6823, Print ISSN : 2190-6815,	 4.05
48	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. <i>Journal of Superconductivity and Novel Magnetism</i> , Volume 35, Year 2022, Pages 2021-2027. DOI:10.1007/s10948-022-06277-7, Electronic ISSN :1557-1947, Print ISSN: 1557-1939,	 1.8
47	Computational studies and experimental fabrication of DSSC device assembly on 2D-layered TiO ₂ and MoS ₂ @TiO ₂ nanomaterials Kumar B.A.;Vetrivelan V.; Ramalingam G. ;Manikandan A.;Viswanathan S.;Boomi P.;Ravi G. <i>Physica B: Condensed Matter</i> , Volume 633, Year 2022. https://doi.org/10.1016/j.physb.2022.413770, Print ISSN: 0921-4526,	 2.8
46	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. <i>Journal of Energy Storage</i> , Volume 56, Year 2022. https://doi.org/10.1016/j.est.2022.105900, Print ISSN: 2352-152X, Online ISSN: 2352-1538,	 9.4

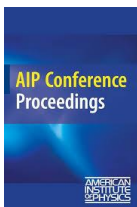
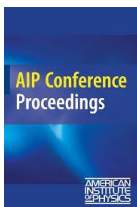
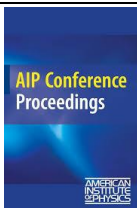
45	Crystal growth, structural, optical, thermal, dielectric, mechanical and NLO studies of L-tyrosine zinc carbonate single crystals Aishwarya P.;IlangoE.; RamalingamG. ;Vetrivelan V. <i>Materials Today: Proceedings</i> , Volume 49, Year 2021, Pages 2574-2579. https://doi.org/10.1016/j.matpr.2021.05.556 , Online ISSN: 2214-7853,	 3.2
44	Growth and characterization of L-tyrosine magnesium chloride single crystal: A promising NLO crystal Aishwarya P.;IlangoE.; RamalingamG. ;Vetrivelan V. <i>Materials Today: Proceedings</i> , Volume 49, Year 2021, Pages 2563-2568. https://doi.org/10.1016/j.matpr.2021.05.551 , Online ISSN: 2214-7853	 3.2
43	Surface functionalization of core-shell QDs for solar photovoltaic and anticancer applications Kumar B.A.;KumarP.;ElangovanT.; RamalingamG. ;RaviG.;MohanapriyaP.;Natarajan T.S. <i>Applied Surface Science Advances</i> , Volume 5, Year 2021. https://doi.org/10.1016/j.apsadv.2021.100122 , ISSN: 2666-5239,	 6.2
42	Fabrication of natural dye sensitized solar cell using tridax procumbens leaf and beetroot extract mixer as a sensitizer Arjun Kumar B.; Ramalingam G. ;KarthigaimuthuD.;ElangovanT.;Vetrivelan V. <i>Materials Today: Proceedings</i> , Volume 49, Year 2021, Pages 2541-2545. DOI:10.1016/j.matpr.2021.04.221, Online ISSN: 2214-7853	 3.2
41	Preparation of Fe-SnO2@CeO2 nanocomposite electrode for asymmetric supercapacitor device performance analysis Asaithambi S.;Sakthivel P.;Karuppaiah M.;YuvakkumarR.;BalamuruganK.;AhamadT.;KhanM.A.M.; RamalingamG. ;MohammedM.K.A.;Ravi G. <i>Journal of Energy Storage</i> , Volume 36, Year 2021. DOI:10.1016/j.est.2021.102402, Online ISSN: 2352-1538,Print ISSN: 2352-152X.	 9.4
40	Recent advances and need of green synthesis in two-dimensional materials for energy conversion and storage applications Ponraj J.S.;NarayananM.V.;Dharman R.K.;SantiyaguV.; GopalR. ;Gaspar J. <i>Current Nanoscience</i> , Volume 17, Year 2021, Pages 554-571. DOI: 10.2174/1573413716999210101122503, ISSN Print: 1573-4137, ISSN online: 1875-6786,	 1.5

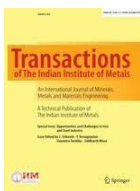
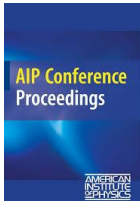
39	Copper and zinc oxide anchored silica microsphere: A superior pseudocapacitive positive electrode for aqueous supercapacitor applications Kandhasamy N.; Ramalingam G. ;Murugadoss G.;Rajesh Kumar M.;Manibalan G.;Jothi Ramalingam R.;Yadav H.M. <i>Journal of Alloys and Compounds</i> , Volume 888, Year 2021. https://doi.org/10.1016/j.jallcom.2021.161489 , Print ISSN: 0925-8388, Online ISSN: 1873-4669,	 6.2
38	rGO supported g-C ₃ N ₄ /CoFe ₂ O ₄ heterojunction: Visible-light-active photocatalyst for effective utilization of H ₂ O ₂ to 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. <i>Journal of Environmental Chemical Engineering</i> , Volume 9, Year 2021. https://doi.org/10.1016/j.jece.2020.104698 , Print ISSN: 2213-2929 ,Online ISSN: 2213-3437,	 7.7
37	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. <i>Surfaces and Interfaces</i> , Volume 19, Year 2020. https://doi.org/10.1016/j.surfin.2020.100475 ,Online ISSN: 2468-0230,	 6.2
36	Investigations on solid-state parameters of third-order nonlinear optical Ni _{1-x} Zn _x Fe ₂ O ₄ 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. <i>Applied Physics A: Materials Science and Processing</i> , Volume 126, Year 2020. DOI: 10.1007/s00339-020-3435-6, E-ISSN - 1432-0630, Print- 0947-8396,	 2.7
35	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. <i>Luminescence</i> , Volume 35, Year 2020, Pages 196-202. https://doi.org/10.1002/bio.3713 , ISSN: 1098-8408,	 3.2
34	Facile synthesis and defect optimization of 2D-layered MoS ₂ on TiO ₂ heterostructure for industrial effluent, wastewater treatments Ramalingam Gopal , Maria Magdalane Chinnapan, Arjun Kumar Bojarajan, Naresh Kumar Rotte, Joice Sophia Ponraj, Ravi Ganesan, Ivanov Atanas, Manivannan Nadarajah, Rajesh Kumar Manavalan & Joao Gaspa <i>Scientific Reports</i> , Volume 10, Year 2020, Pages 1-15. doi: 10.1038/s41598-020-78268-4. ISSN: 1098-8408,	 4.6

33	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.; Sakthy Priya 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. <i>Journal of King Saud University - Science</i>, 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,	 3.8
32	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. <i>Materials Letters</i>, Volume 273, Year 2020. DOI:10.1016/j.matlet.2020.127900, Print ISSN: 0167-577X, Online ISSN: 1873-4979,	 3
31	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 Dhabhi N. A.; Arasu M. V.; Ghilan A. K. M.; Duraipandiyan V.; Kaviyarasu K. <i>Journal of Photochemistry and Photobiology B: Biology</i>, Volume 201, Year 2019. doi: 10.1016/j.jphotobiol.2019.111667, ISSN: 1098-8408,	 5.4
30	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. <i>Materials Today: Proceedings</i>, Volume 36, Year 2019, Pages 167-170. DOI:10.1016/j.matpr.2020.02.692, Online ISSN: 2214-7853	 3.2 cite score
29	Synthesis and characterization of CeO₂ nanoparticles by hydrothermal method Maria Magdalane C.; Kaviyarasu K.; Siddhardha B.; Ramalingam G. <i>Materials Today: Proceedings</i>, Volume 36, Year 2019, Pages 130-132. DOI:10.1016/j.matpr.2020.02.283, Online ISSN: 2214-7853	 3.2
28	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. <i>Materials Today: Proceedings</i>, Volume 36, Year 2019, Pages 163-166. DOI: 10.1016/j.matpr.2020.02.680, Online ISSN: 2214-7853	 3.2 cite score

27	Optical and nonlinear optical properties of Zn _{0.96} Cu _{0.04} Al ₂ O ₄ nanocomposites prepared by combustion method Surendran P.;LakshmananA.;Sakthy Priya S.;BalakrishnanK.;HegdeT.A.;VinithaG.; RamalingamG. ;RameshkumarP.;Kaviyarasu K. <i>Materials Today: Proceedings</i> , Volume 36, Year 2019, Pages 175-178. DOI:10.1016/j.matpr.2020.02.722, Online ISSN: 2214-7853	 3.2 cite score
26	Structural and morphological properties of Co ₃ O ₄ nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment Magdalane C.M.;Kaviyarasu K.;ArularasuM.V.;KanimozhiK.; Ramalingam G. <i>Surfaces and Interfaces</i> , Volume 17, Year 2019. https://doi.org/10.1016/j.surfin.2019.100369 , Online ISSN: 2468-0230,	 6.2
25	Self-cleaning mechanism of synthesized SnO ₂ /TiO ₂ nanostructure for photocatalytic activity application for waste water treatment Magdalane C.M.;Kanimozhi K.; Arularasu M.V.; RamalingamG. ;KaviyarasuK. <i>Surfaces and Interfaces</i> , Volume 17, Year 2019. https://doi.org/10.1016/j.surfin.2019.100346 , Online ISSN: 2468-0230,	 6.2
24	Green synthesis of ZnO nanoparticle using Prunus dulcis (Almond Gum) for antimicrobial and supercapacitor applications Theophil Anand G.;RenukaD.;RameshR.;AnandarajL.;John Sundaram S.; RamalingamG. ;MagdalaneC.M.;Bashir A.K.H.;MaazaM.;Kaviyarasu K. <i>Surfaces and Interfaces</i> , Volume 17, Year 2019. https://doi.org/10.1016/j.surfin.2019.100376 , Online ISSN: 2468-0230,	 6.2
23	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 ShahinaS.K.;LakshmiD.;SundaramR.; RamalingamG. ;RajaA.;Madhavan J.;LetsholathebeD.;Bashir A.K.H.;MaazaM.;Kaviyarasu K. <i>Surfaces and Interfaces</i> , Volume 17, Year 2019. DOI:10.1016/j.surfin.2019.100381, Online ISSN: 2468-0230,	 6.2
22	Mechanical and thermal properties of fiber reinforced styrene-ethylenebutylene-styrene (SEBS) composite doped with CuO, MgO and ZnO nanoparticles Ravichandran S.;MurugesanS.; Ramalingam G. <i>Asian Journal of Chemistry</i> , Volume 31, Year 2019, Pages 714-718. DOI:10.14233/ajchem.2019.21778 , ISSN: 9707077,	 0.158

21	Superficial preparation of biocompatible carbon quantum dots for antimicrobial applications Lakshmanan A.;SurendranP.;ManivannanN.;Sathish M.;BalalakshmiC.;SuganthiN.;RameshkumarP.;KaviyarasuK.; Ramalingam G. <i>Materials Today: Proceedings</i> , Volume 36, Year 2019, Pages 171-174. DOI:10.1016/j.matpr.2020.02.694, Online ISSN: 2214-7853	 3.2 cite score
20	Unstable cell efficiency in CdS quantum dot sensitized solar cell using low cost lugols iodine aqueous electrolyte Vignesh R.;Arjun Kumar B.;MuthuvinayagamA.;ElangovanT.;KaviyarasuK.;Theophil Anand G.; Ramalingam G. <i>Materials Today: Proceedings</i> , Volume 36, Year 2019, Pages 159-162. DOI:10.1016/j.matpr.2020.02.674, Online ISSN: 2214-7853	 3.2 cite score
19	Synthesis of water-soluble and bio-tagable CdSe@ZnS quantum dots Ramalingam G. ;SaravananK.V.;VizhiT.K.;RajkumarM.;Baskar K. <i>RSC Advances</i> , Volume 8, Year 2018, Pages 8516-8527. DOI https://doi.org/10.1039/C7RA13400B , ISSN: 20462069,	 3.9
18	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 <i>Journal of Nanoelectronics and Optoelectronics</i> , Volume , Year 2018, Pages. DOI:10.1166/jno.2018.2384, ISSN (Print): 1555-130X EISSN: 1555-1318, ,	 0.697
17	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 <i>International Journal of Nanotechnology in Medicine & Engineering</i> , Volume , Year 2018, Pages., ISSN: 2474-8811,	
16	Up-Scalable Synthesis of Size-Controlled White-Green Emitting Behavior of Core/Shell (CdSe/ZnS) Quantum Dots for LED Applications G Ramalingam ¹ , C Ragupathi ² , K Kaviyarasu ³ , D Letsholathebe ⁴ , S B Mohamed ⁵ , C Maria Magdalane ⁶ , G T Mola ⁷ , Abdulgalim B Isaev ⁸ , M Maaza , <i>Journal of nanoscience and nanotechnology</i> Volume , Year 2018, Pages. doi: 10.1166/jnn.2019.16298 , ISSN: 1098-8408,	 1.13

15	Insight into the Bio-Approach of Claims for Quantum Dots by Using BioWaste (Rice Husk) E. Arivuselvi and G.Ramalingam <i>journal for Advance Research in Applied Sciences</i>, Volume, Year 2017, Pages. https://www.academia.edu/download/63493975/33-61-389-jaras-december20200601-18477-1yqdsnh.pdf , ISSN : 2394-8442,	
14	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 <i>Advanced Science, Engineering and Medicine</i>, Volume , Year 2016, Pages. DOI: https://doi.org/10.1166/ase.2016.1927 , ISSN: 2164-6627 (print); EISSN: 2164-6635 (online),	 0.6
13	Bio-Encapsulated CdSe/ZnSe Composite NanorodsG.RAMALINGAM <i>Journal of Nanoscience and Technology</i>, Volume, Year 2016, Pages. https://jacsdirectory.com/journal-of-nanoscience-and-technology/articleview.php?id=34#.ZFIB0PjYVVU.link, ISSN: 2455-0191,	 1.134
12	Synthesis, optical and morphological studies of Sol-Gel derived ZnO/PVP one dimensional Nano-composite. Subramanian Ravichandran, G Ramalingam<i>Journal of NanoScience and NanoTechnology</i>, Volume, Year 2013, Pages. https://www.researchgate.net/publication/281997241_Synthesis_optical_and_morphological_studies_of_sol-gel_derived_ZnOPVP_one_dimensional_nano-composite ISSN: 2455-0191,	 1.134
11	Synthesis and characterization of CdSe/ZnSe nanorods Ramalingam G.;PrasadS.S.;Madhavan J. <i>AIP Conference Proceedings</i>, Volume 1447, Year 2012, Pages 325-326. DOI: 10.1063/1.4710011, ISSN: 1551-7616,	 0.41
9	Growth, spectral and thermal studies of organic NLO crystals of DSAS by SNM technique Gunaseelan R.;VijayR.;RamalingamG.;Sagayaraj P. <i>AIP Conference Proceedings</i>, Volume 1349, Year 2011, Pages 206-207. https://doi.org/10.1063/1.3605808, ISSN:0094 -243X,	 0.41
8	Synthesis of CdSe@ZnS quantum dots via non-TOPO hydrothermal techniquesRamalingam G.;MadhavanJ.;VijayR.;VimalanM.;Sagayaraj P. <i>AIP Conference Proceedings</i>, Volume 1349, Year 2011, Pages 379-380. DOI:10.1063/1.3605893, ISSN: 0094243X, 15517616,	 0.41

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. <i>Journal of Crystal Growth</i> , Volume 316, Year 2011, Pages 126-131. DOI:10.1016/j.jcrysgr.2010.12.055, Online ISSN: 1873-5002,Print ISSN: 0022-0248,	 1.8
6	Investigation on the structural and morphological behaviour of CdSe nanoparticles by hydrothermal method G Ramalingam , J Madhavan <i>Archives of Applied Science Research</i> , Volume, Year 2011, Pages. http://scholarsresearchlibrary.com/archive.html , ISSN: 9075-508X,	 -
5	Synthesis and characterization of one dimensional semiconducting nanorods and nanobelts Ramalingam G. ;MadhavanJ.; SagayarajP.;SelvakumarS.;GunaseelanR.;Jerald Vijay R. <i>Transactions of the Indian Institute of Metals</i> , Volume 64, Year 2011, Pages 217-220. DOI:10.1007/s12666-011-0043-3, Electronic ISSN: 0975-1645, Print ISSN: 0972-2815,	 1.6
4	Synthesis Of CdSe@ZnS Quantum Dots Via Non-TOPO Hydrothermal Techniques G. Ramalingam , J. Madhavan, R. Jerald Vijay, M. Vimalan, and P. Sagayaraja <i>AIP Conference Proceedings</i> , Volume, Year 2011, Pages. https://doi.org/10.1063/1.3605893 , ISSN:0094 -243X,	 0.41
3	Structural and optical property studies of CdSe crystalline nanorods synthesized by a solvothermal method Ramalingam G. ;MelikechiN.;Dennis Christy P.;SelvakumarS.;Sagayaraj P. <i>Journal of Crystal Growth</i> , Volume 311, Year 2009, Pages 3138-3142, DOI:10.1016/j.jcrysgr.2009.03.017, ISSN: Online ISSN: 1873-5002,Print ISSN: 0022-0248,	 1.830
2	Optical and Structural Properties of Fluorine Doped SnO2 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 <i>Journal of Nanoelectronics and Optoelectronics</i> , Volume , Pages. DOI: https://doi.org/10.1166/jno.2018.2383 , ISSN: 1555-130X (Print): EISSN: 1555-1318 (Online) ,	 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. <i>Advanced Science, Engineering and Medicine</i> , Volume 10, Pages 882-886. DOI: https://doi.org/10.1166/asem.2018.2188 , ISSN: 2164-6627 (print); EISSN: 2164-6635 (online),	 0.6

Book and Articles Publications

Book & Chapter

1. Introduction of Nanoscience, **G.Ramalingam**, P.Sagayaraj, J.Madhavan (Publisher: LAP Lambert Academic Publishing (14 August 2012) Language: English, ISBN-10: 3659176672, ISBN-13: 978-3659176678 (<https://www.amazon.in/Introduction-Nanoscience-G-Ramalingam/dp/3659176672>)
2. Quantum Confinement Effect of 2D nanomaterials, G.Ramalingam et al
<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** 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

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5. <https://alagappauniversity.irins.org/profile/68065>
6. <https://www.facebook.com/ramalingam.gopal/>
7. <https://alagappauniversity.irins.org/profile/68065>

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