

LRG GOVERNMENT ARTS COLLEGE FOR WOMEN, TIRUPUR
DEPARTMENT OF PHYSICS

RESEARCH PUBLICATIONS FROM 2018 – 19 ONWARDS

S. No	Year	Name of the faculty	Publications
1	2018	A.Kingson Solomon Jeevaraj	Ultrasonic Velocity and Heat Transfer Measurement of Binary Fluid (Diethyl Amine + Tetra Hydro Furan) and Hybrid CuONanofluid (CuO + Diethyl Amine + Tetra Hydro Furan),Advanced Science Letters,2018,1936-6612
2	2018	A.Kingson Solomon Jeevaraj	Effect of annealing temperature and ultrasonication on the structural properties of Beryllium Oxide Nanoparticles Synthesized via Chemical Precipitation Method, Journal of Bionanoscience, 2018,1557-7910
3	2018	A.Kingson Solomon Jeevaraj	Study on the thermal conductivity and rheological properties of carboxyl (-COOH) functionalized multi-walled carbon nanotube (MWCNT) - Dowtherm A nanofluids, Journal of Bionanoscience, 2018,1557-7911
4	2018	A.Kingson Solomon Jeevaraj	Preparation and characterization of hydroxyl (-OH) functionalized multi-walled carbon nanotube (MWCNT)-Dowtherm A nanofluids, Particulate Science and Technology: An International Journal, 2018, 2726351
5	2019	A.Kingson Solomon Jeevaraj	The Thermal Conductivity and Viscosity of Non-Polar Hybrid CuO Nanofluid (CuO + DEA + Cyclohexane) (CuO + DEA + 1-4 Dioxane), Sensor Letters,2 019,1546-198X

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6	2019	A.Kingson Solomon Jeevaraj	Dielectric Study of Carboxyl (–COOH) Functionalized Multi-Walled Carbon Nano Tube-Silicone Oil Nanofluids at Different Temperatures, Sensor Letters,2019,1546-198X
7	2019	A.Kingson Solomon Jeevaraj	Dielectric Constant Measurement In Binary Liquid Mixture (DEA +Butanol) And Hybrid CuO Nanofluid (CuO+ DEA+ Butanol) At Various Temperatures, Journal of Emerging Technologies and Innovative Research,2019,2349-5162
8	2020	J. Jayachitra	Structural and electrochemical performance of citric acid carbon coated assisted Lithium iron phosphate/ Graphene oxide cell for Lithium-ion battery applications, Journal of Engineering Science, 2020, 0377-9254
9	2020	J. Jayachitra	In situ carbon-coated NaFeO ₂ as a positive electrode for Sodium-Ion batteries, International Journal of Emerging Technologies and Innovative Research,2020, 2349-5162
10	2020	A.Kingson Solomon Jeevaraj	Acoustical Studies on Beryllium Oxide/Silicone Oil Nanofluids, Sensor Letters, 2020, 1546-198X
11	2020	A.Kingson Solomon Jeevaraj	Enhanced Thermal Conductivity of Carboxyl (–COOH) Functionalized Multi-Walled Carbon Nanotube (MWCNT)-Silicone Oil Based Nanofluids, Sensor Letters, 2020, 1546-198X
12	2021	J. Jayachitra	Enhancing the Electrochemical Performance by Structural Evolution in O ₃ - NaFe _{1-x} Mg _x O ₂ Cathodes for Sodium-Ion Batteries, Inorganic Chemistry Communications, 2021, 13877003

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13	2021	J. Jayachitra	Influence of aloe-vera gel mediated CuO coated LiNiPO ₄ cathode material in rechargeable battery applications, Inorganic Chemistry Communication, 2021, 13877003
14	2022	A.Kingson Solomon Jeevaraj	Synthesis and characterization of Zinc doped Beryllium Oxide:Ethylene glycol Nanofluids, Songklanakarin Journal of Science and Technology, July 2022, Vol.44, No.4, pp. 979-986,0125-3395
15	2022	A. Kingson Solomon Jeevaraj	An Investigation of the Dielectric Properties of Barium Oxide: Therm500 Nanofluids at Different Temperatures, Journal of Engineering, Volume 2022, Article ID 4274436, 8 pages, ISSN: 2314-4904 (Print)
16	2024	A. Kingson Solomon Jeevaraj	Experimental Investigation of Viscosity and Thermal Conductivity of Hi-Tech Therm60 Based BaO Nanofluids, Journal of Nanoelectronics and Optoelectronics, 19(7), pp.692-699. (2024) ISSN: 1947-2935 (Print)
17	2023	J. Jayachitra	High electrode performance of hydrothermally developed activated C coated O ₃ -NaFeO ₂ electrode for Na-ion batteries applications, Ceramics International,2023, 49 (1), 48-56,1873-3956
18	2023	L. Priya	High Photocurrent performance of nebulizer sprayed Bi ₂ S ₃ thin films by novel Cu-Ladoping strategy, Journal of Photochemistry and Photobiology A: Chemistry, 2023(10), 114921
19	2023	A. Kingson Solomon Jeevaraj	Characterisation and Molecular Interaction Studies of Beryllium Oxide-Silicone Oil Nanofluids through Ultrasonic Measurements at Various Temperature, Asia-Pacific Journal of Science and Technology, Vol.28(06), Article ID.: APST-28-06-13, pp.1-12, (2023), ISSN: 2539-6293
20	2023	A. Kingson Solomon Jeevaraj	Ultrasonic Velocity, Viscosity and Thermal Conductivity Studies on Barium Oxide: Silicone Oil Nanofluids, Science of Advanced Materials, Vol. 15, pp 818–823 (2023), ISSN: 1947-2935 (Print)

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21	2023	A. Kingson Solomon Jeevaraj	Synthesis and Characterization of BaO-Enhanced Therm500 Nanofluids." Journal of Nanoelectronics and Optoelectronics, Vol 18 (9), pp. 1048-1056 (2023), ISSN:1555-1318
22	2023	A. Kingson Solomon Jeevaraj	Rheological characteristics and thermal studies of EG based Cu:ZnO hybrid nanofluids for enhanced heat transfer efficiency, Chemical Physics Impact, Volume 7, December 2023, 100278, ISSN: 2667 0224

RESEARCH PUBLICATIONS IN CONFERENCES

S. No	Year	Name of the faculty	Publication Details
1	2019	Dr. A. Kingson Solomon Jeevaraj	Synthesis and characterization of Barium Oxide:Silicone Oil Nanofluids, National conference on Nanomaterials – 2019 (NCN – 2019), 24- 25 January 2019, LRG Govt. Art College(W), Tirupur
2	2019	Dr. J. Jayachitra	Na _{0.4} (Mn _{0.33} Co _{0.33} Ni _{0.33})O ₂ surface grafted with SnO nanorods: A cathode materials for rechargeable sodium ion batteries, International conference on Advanced Materials for Energy and Environmental Applications (AMEEA 2019), 22,24 August 2019, Government Arts College, Dharmapuri
3	2020	Dr. J. Jayachitra	Investigation on electrochemical properties of Carbon coated α - NaFeO ₂ by oil bath method', International Conference on physics of advanced materials and molecules (ICPAMM-2020), 30-31 January 2020, Dr.Ambedkar Government Arts College, Chennai.
4	2020	Dr. J. Jayachitra	Electrochemical Properties of Mg Rich Na _{2/3} Fe _{0.2} Mg _{0.8} O ₂ cathode materials for Na- ion batteries', Modern Innovations and perspectives on Emerging Interfaces in Physical Science and Technology (NCPST-2020), 5th March 2020, Chikkanna Government Arts College, Tirupur.
5	2024	Dr. A. Kingson Solomon Jeevaraj	Analysis of ultrasonic velocity, acoustical, and dielectric measurements of BaO:Hi-Tech Therm60 nanofluids, P. Prakash, J. Catherine Grace John, and A. Kingson Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur

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6	2024	Dr. L. Priya	Polyaniline/Zns Nanocomposites: Synthesis and Characterization, S.Eniya, L.Priya · National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
7	2024	Dr. A. Kingson Solomon Jeevaraj	Ultrasonic-Assisted Synthesis of Chromium Oxide-Decorated Zinc Oxide Nanosheets for High-Performance Supercapacitors, S.Diana Rebbakkal Hebziba, A. Kingson Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
8	2024	Dr. A. Kingson Solomon Jeevaraj	Growth and Characterization of Thiourea doped Diammonium Hydrogen Phosphate Single Crystal, A. Jasmine Linda and .A. Kingson Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
9	2024	Dr. A. Kingson Solomon Jeevaraj	Fabrication of Zirconium doped ZnO Hybrid-Nanocomposited Material to Improve Bactericidal Inhibition and Fibroblast Cell Biocompatibility for Wound Healing Applications: <i>In vitro</i> Study, G. Kavitha and .A. Kingson Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
10	2024	Dr. A. Kingson Solomon Jeevaraj	Thermal analysis and Rheological characteristics of natural convection behavior of novel Barium oxide:Hytherm600 nanofluid for enhanced heat transfer efficiency, P. Prakash, J. Catherine Grace John, and A. Kingson Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
11	2024	Dr. L. Priya	Tuning of the structural, optical and photo detecting properties spray coated Bi ₂ S ₃ thin films by La doping, M. Karthika, I. Loyola Poul Raj, L.Priya, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
12	2024	Dr. A. Kingson Solomon Jeevaraj	Carbon Nanotube: A Recent Review On Plasma Based Synthesis Method And Their Application, A. Jasmine Linda and .A. Kingson Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
13	2024	Dr. A. Kingson Solomon Jeevaraj	Acoustic investigations of molecular interactions in a barium oxide nanofluid at different temperatures., P. Prakash, J. Catherine Grace John, and A. Kingson

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			Solomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
14	2024	Dr. A. Kingson Solomon Jeevaraj	Advanced Dielectric Analysis of CuO Nanofluids with Mixed Alcohol-Amine Bases (Butanol + Diethylamine) and (Isopropanol + Diethylamine), B. Rohini, A.Suvitha, A.Kingson Solomon Jeevaraj, V. Revathi, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur
15	2024	Dr. A. Kingson Solomon Jeevaraj	Effect of temperature on the molecular interactions studies in Ethylene glycol based BeO nanofluids through ultrasonic measurements, T. Merita Anto Britto, A. Kingson Slomon Jeevaraj, National Conference on Nanomaterials – 2024, (NCN-2024), 11-12, July 2024, LRG Govt. Art College(W), Tirupur