RESUME

Dr.K. SARJUNA

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Srinivasapuram,
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OBJECTIVE:

To become a part of a growing organization and apply my professional & interpersonal skills, and thus develop myself and work towards the goal and vision of the Institution.

Budding teacher, aimed at leveraging the knowledge of inorganic chemistry, organic chemistry, and laboratory skills for student development. Ability to engage students and utilize effective instructional guidelines to meet the student's learning requirements.

EDUCATION:

Course	Institution	Year	Percentage
Ph.D	Rajah Serfoji Govt College-Thanjavur. (Under the guidance of Dr.D.Ilangeswaran M.Sc., M.Phil.., Ph.D Asst.Prof of chemistry, RSGC-Thanjavur)	2017-2022	**Commended** 88%
M.Phil., (Chemistry)	Rajah Serfoji Govt College-Thanjavur. (Under Bharathidasan University)	2012-2013	81.33%
M.Sc.,	Kundavai Naachiyaar Govt Arts College – Thanjavur. (Under Bharathidasan University)	2010-2012	82.21%
B.Ed.,	Tamil University – Thanjavur	2009-2010	82.20%
B.Sc.,	Kundavai Naachiyaar Govt Arts College – Thanjavur (Under Bharathidasan University)	2006-2009	81.60%
HSC	Rajah's Higher Secondary School, Thanjavur.	March 2006	69.80%
SSLC	Dr.V. Gengusamy Naidu Matriculation School, Melattur.	March 2004	74.70%

THESIS TITLE:

Synthesis and characterization of some metal oxide nanoparticles using newly developed green solvents.
Ref. No.06926/Ph.D. K2/Chemistry/Full-time/April-2017

PROFESSIONAL ENHANCEMENTS:

- **Poster presentation** entitled "Comparative Study on the Efficiency of different types of Deep Eutectic Solvents for the Preparation of Nanoparticles" in the National conference on Newer materials for energy and Environmental Applications, Annamalai University, Tamilnadu held during September 22 & 23, 2022.

- **Oral presentation** entitled "Synthesis of copper oxide nanoparticles using $MnCl_2$ -fructose-amino acids based ternary deep eutectic solvents" in the Two Days International Webinar on "Recent Advances in Chemical Sciences (RACS-2k22)", held during July 21 & 22, 2022.

- **Oral presentation** entitled "Synthesis and Characterization of Silver Oxide Nanoparticles Using Newly Formed Malonic Acid and Zinc Chloride-Based Deep Eutectic Solvents" International Conference On "Innovative Research In Applied Engineering And Computing Methodologies (ICIRAEC2K21)" organized by Department of Electronics And Communication Engineering, Syed Ammal Engineering College, Ramanathapuram, Tamilnadu, India held during 13th & 14th August 2021.

- **Paper presentation** entitled "Synthesis and Characterization of Silver Nanoparticles Using Zinc Chloride-Sugar-Amino Acids Based Novel Ternary Deep Eutectic Solvents: Silver Nanoparticles- Characterization", International Conference on Technologies for Smart Green Connected Societies (ICTSGS-2021), online worldwide led by Yamagata University Japan held during 29th & 30th November 2021.

- **Oral presentation** entitled "Synthesis and characterization of copper oxide nanoparticles using greener solvents-Malonic acid- Sugar - Amino acids based Deep Eutectic Solvents", the International Conference on Smart Materials Chemistry (CHEMSMAT 2021) organized by the Department of Chemistry, St. Joseph's College, Tiruchirapalli, Tamilnadu, India held during 29th -31st July 2021.

- **Oral presentation** entitled "Synthesis of some metal/metal sulfide nanoparticles using a superior dissolvable media-Malonic acid (MA) based Deep Eutectic Solvents [DES]", the International Online conference on NanoMaterials (ICN 2021) held at Mahatma Gandhi University, Kottayam, Kerala, India during 09th -11th April 2021.

- **Poster presentation** entitled "Malonic acid-based Deep Eutectic Solvents- A better solvent media for the synthesis of some metal/metal sulfide nanoparticles." in ICFCMS-2020, Department of Chemistry, GRI.

- **Poster presentation** entitled "Synthesis and Characterization of Newly Developed Mn^{2+} and Zn^{2+} based deep eutectic solvents" in RTSMC -2018, Annamalai University.

- **Oral presentation** entitled "Synthesis and Characterization of Newer sugar-based deep eutectic solvents" in FACTS -2017, Alagappa University.

- Attended **Faculty Development Program** on "Recent Advances in Science and Technology "Organized by School of Basic and Applied Science, K.R. Mangalam University, Gurugram from 9^{th} – 13^{th} August 2021.

- Attended **National Webinar** on New Business ideas in the framework of Sustainable Chemistry" organized by Department of Chemistry, St. Joseph's College, Tiruchirappalli from 11^{th} – 13^{th} August 2021.

- Attended **Faculty Development Program** on "Recent Advances, Trends, and Challenges in the field of Nanotechnology "Organized by Amity Centre of Nanotechnology, Amity University, Haryana from 12th – 16th July 2021.

- Attended National level **Knowledge Enrichment Programme** on "Separation, Purification, and Identification of Organic Compounds "Organized by Department of chemistry, Srimad Andavan Arts and Science College, Tiruchirappalli 25th August 2021.

- Attended National Level Seminars and international conferences held at Rajah Serfoji Govt. College, Thanjavur.

- Certified course in Computer Literacy Programming.

PUBLICATIONS:

1. K. Sarjuna, D. Ilangeswaran; Preparation of some zinc chloride-based deep eutectic solvents and their characterization, Materials Today: Proceedings 33 (2020) 2767–2770. https:/doi.org:10.1016/j.matpr.2020.02.080. (**Scopus indexed**)

2. K. Sarjuna, D. Ilangeswaran; Preparation and Physico-Chemical studies of Ag2O nanoparticles using newly formed Malonic acid and ZnCl2-based Deep Eutectic Solvents. Materials today: proceedings; 49 (2022) 2943–2948. https://doi.org/10.1016/j.matpr.2021.11.355. (**Scopus indexed**)

3. K. Sarjuna, D. Ilangeswaran; Synthesis and Characterization of Silver Nanoparticles Using Zinc Chloride-Sugar-Amino Acids Based Novel Ternary Deep Eutectic Solvents; ECS transactions. ECS Transactions, Volume 107, Number 1, 4113. https://iopscience.iop.org/article/10.1149/10701.4113ecst

4. D. Ilangeswaran, K. Sarjuna; Silver Nanoparticles: Synthesis in newly formed Ternary Deep Eutectic Solvent Media, Characterization, and Their Antifungal activity, Current Nanomaterials. DOI:10.2174/2405461507666220817155944, Volume 7, September 2022 (**Scopus Indexed**)

5. K. Sarjuna, D. Ilangeswaran; Synthesis and characterization of copper (II) Oxide nanoparticles using newly developed Malonic acid-based deep eutectic solvents and their antibacterial activity; Journal of Molecular liquids (Under considerations) (**Scopus Indexed)**.

6. K. Sarjuna, D. Ilangeswaran; Copper Oxide Nanoparticles and Their Characterization: Synthesis Using Green Solvents- Ternary Deep Eutectic solvents: SEAS abstract; ICTSGA conference proceedings (Accepted)

7. K. Sarjuna, D. Ilangeswaran; Synthesis of some metal/metal sulfide nanoparticles using a superior dissolvable media- Malonic acid (MA) based Deep Eutectic Solvents [DES]; Abstracts of International Conferences & Meetings (AICM); Krispon Advancing science; Volume-1, Issue-5, 2021 14001: https://doi.org/10.5281/zenodo.5371643

8. K. Sarjuna, D. Ilangeswaran; Synthesis and Characterization of Silver Nanoparticles Using Zinc Chloride-Sugar-Amino Acids Based Novel Ternary Deep Eutectic Solvents: Silver Nanoparticles- Characterization; SPAST Abstracts, 1(01). https://spast.org/techrep/article/view/193

PERSONAL PROFILE:

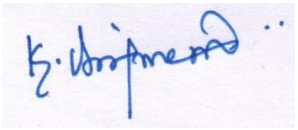
Father's Name	:	R. Kannan
Date of birth	:	28.05.1989
Marital status	:	Married
Languages known	:	Tamil & English, Hindi (Reading and Writing)
Religion	:	Hindu
Nationality	:	Indian
Educational Qualification	**:**	**M.Sc., B.Ed., M.Phil.,Ph.D. Chemistry**

Experience	:	2.5 Years (as Assistant Professor in St. Joseph's College of Engineering & Technology, Thanjavur).

DECLARATION:

I hereby declare that the information furnished above is true, correct, and complete to the best of my knowledge.

Yours sincerely



Date : 19.01.2023

Place : Thanjavur

(Dr. K. SARJUNA)