

RESUME



Name : Dr. K. Srinivasulu
Designation : Teaching Fellow
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Academic Qualification:

Course	Educational Institution	Class	Year of Passing
Ph. D Ceramic Technology	Anna University, Chennai	-	2020
M. Tech Ceramic Technology	Anna University, Chennai - 25	First	2012
B. Tech Chemical Engineering	Adhiparasakthi Engineering College, Melmaruvathur	First Class With Distinction	2010

Areas of Interest/Research:

- Advanced Ceramics, Surface coatings on metallic substrates, Surface modifications and Studies on Tribological Properties (Wear & Friction)
- Behaviour of Engineering materials, Synthesis of High Wear resistance ceramic materials
- Effluent Treatments, Heat Transfer, Fluid Mechanics, Transport Phenomena

Academic Experience:

S. No	Post Held	Department	Duration
1.	Teaching Fellow	Department of Ceramic Technology, Alagappa College of Technology, Anna University, Chennai – 600 025	09.08.2016 to Till date

Ph. D/M. S/M. Tech/B. Tech Guidance

Category	Completed	Ongoing
B. Tech	05	0

Funded Research Projects:

Funding Agency	Title of the Project	Amount	Ongoing/ Completed
CTDT Anna University Chennai	Development of Rare Earth Zirconates ($\text{Re}_2\text{Zr}_2\text{O}_7$) and Aluminates (ReAlO_3) Re= La, Gd, Nd, Y through solid state high energy milling for Thermal Spray Coating Applications	25,000/-	Completed

National/International Journals

1. **Srinivasulu K**, Manisha Vidyavathy S, “Microwave assisted synthesis and powder flowability characteristics of Rare-Earth aluminate (ReAlO_3 , Re = La, Gd, Nd, Y) powders” Transactions of the Indian Ceramic Society, Volume 78, issue 1, pp. 13-19 (2019)
2. **Srinivasulu K**, Manisha Vidyavathy S, “Effect of different calcination techniques on the morphology and powder flowability characteristics of Rare-earth zirconates ($\text{Re}_2\text{Zr}_2\text{O}_7$, Re = La, Gd, Nd, Y) synthesized by solid-state high-energy milling process” Journal of Ceramic Processing Research, Volume 20, issue 1, pp. 8-17 (2019).
3. **Srinivasulu K**, Manisha Vidyavathy S, "Advanced Ceramic Coatings on Stainless Steel: A review of Research, Methods, Materials, Applications and Opportunities" International Journal of Advanced Engineering Technology, Volume 7, issue 3, pp.126-141 (2016)

4. **Srinivasulu K**, Balasubramani K, Manisha Vidyavathy S, “Effect of process parameters on the phenol removal rate from petrochemical effluents using Electrochemical method”, Journal of Chemical and Pharmaceutical Research, Volume 8, issue 1, pp. 529 – 536 (2016)
5. **Srinivasulu K**, Manisha Vidyavathy S. “Microstructure and Thermal Wear behaviour of Plasma Sprayed Fly ash Coating on AISI 304 Stainless Steel”, International Journal of Engineering Research & Technology, Volume 5, issue 1, pp. 471 – 476 (2016)
6. **Srinivasulu K**, Manisha Vidyavathy S, “Influence of Normal Load on the Wear Behaviour of plasma sprayed Yttria Stabilized Zirconia Coating”, Journal of Chemical and Pharmaceutical Sciences, Special issue 7, No. 24, pp.88-91 (2015)

International Conferences

1. **Srinivasulu K**, Manisha Vidyavathy, “Comparison on Sliding Wear behaviour of 8 wt% YSZ and Fly ash Coatings on AISI 304 Austenitic Stainless Steel by Plasma spray process”, Proceedings of the International Conference on Advances in Mechanical Engineering with ISBN 9789385477294, Volume 2, pp. 698 - 702 organized by Department of Mechanical Engineering, University College of Engineering, Villupuram during 15th – 16th October 2015

National Conferences

1. **Srinivasulu K**, Manisha Vidyavathy S, “Influence of Normal Load on the Wear Behaviour of plasma sprayed Yttria Stabilized Zirconia Coating”, Proceedings of the National Conference on Recent Trends and Development in Sustainable Green Technologies organized by Department of Automobile Engineering, MIT Campus, Anna University, Chennai during 24th – 25th March 2015.
2. **Srinivasulu K**, Sakthi Prasad S and Manisha Vidyavathy S, “Development of 8YSZ Thermal Barrier Coating on Stainless Steel using Plasma Spray Process”, Proceedings of the National Conference on Advancement in Mechanical Engineering organized by Department of Mechanical Engineering, Sree Sastha College of Engineering, Chembarambakkam, Chennai on 11th September 2014.
3. **Srinivasulu K**, Sakthi Prasad S and Manisha Vidyavathy S, “Wear Behavior of Plasma Sprayed 8YSZ Thermal Barrier Coating on Stainless Steel Substrate”, Proceedings of the National Level Conference Innovations in Machinery and Structures with ISBN 9789380624464, pp. 266- 269 jointly organized by Department of Mechanical and Civil Engineering, Vel Tech (Owned by RS Trust), Avadi, Chennai on 28th August 2014.

4. **Srinivasulu K**, Manohar P, “Preparation and Characterization of Alumina – Zirconia Composite Material with Different Acid Ratios by the Sol Gel Method” Proceedings of the 2nd National Level Technical Conference on Recent Research in Mechanical Engineering organized by Department of Mechanical Engineering, Adhiparasakthi Engineering College, Melmaruvathur on 21th April 2012.
5. **Srinivasulu K**, Balasubramani K, “Biodegradable Plastics by Biotechnology”, Proceedings of the National Conference on Emerging Trends and Innovations in Chemical Engineering organized by Department of Chemical Engineering, St. Peter’s Engineering College, Chennai during 15th - 17th September 2008.
6. **Srinivasulu K**, Balasubramani K, “Making Packaging Greener with Affordable Biodegradable Plastics”, Proceedings of the National Conference on Recent Trends in Chemical Engineering organized by Department of Chemical Engineering, St. Peter’s Engineering College, Chennai during 2nd - 4th April 2008

National Level Technical Symposiums

1. **Srinivasulu K**, Manohar P, “Preparation and Characterization of Alumina – Zirconia Composite by Sol – Gel method”, Proceedings of the National Level Technical Symposium on Sustainable Environmental Technologies organized by Department of Chemical Engineering, Adhiparasakthi Engineering College, Melmaruvathur on 4th January 2012.
2. **Srinivasulu K**, Balasubramani K, “Trivalent Chromium Removal from Tannery Effluents from Emulsion Liquid Membrane in RDC Column”, Proceedings of the National Level Technical Symposium SELECT’10 organized by Electrochemical Technologists’ Association (ETA), Central Electrochemical Research Institute (CECRI), Karaikudi during 26th -27th February 2010.
3. **Srinivasulu K**, Balasubramani K, “Removal of Chromium (VI) by Liquid Emulsion Membrane” Proceedings of the National Level Technical Symposium CHEMTECHNIK09 organized by Department of Chemical Engineering, Sathyabama University, Chennai during 24th - 25th August 2009
4. **Srinivasulu K**, Balasubramani K, “PEM Fuel Cells from Reliable and Eco Friendly Source of Energy”, Proceedings of the National Level Technical Symposium ELASTOPLAZ’09 organized by Department of Rubber and Plastics Technology, Madras Institute of Technology (MIT), Anna University, Chennai on 6th March 2009.
5. **Srinivasulu K**, Balasubramani K, “Phenol Removal From Industrial Effluents Using Emulsion Liquid Membrane Technique”, Proceedings of the National Level Technical

Symposium SELECT'09 organized by Electrochemical Technologists' Association (ETA), Central Electrochemical Research Institute (CECRI), Karaikudi during 16th-17th February 2009,

6. **Srinivasulu K**, Arunachalam Karthik Ramasway, "Biodegradable Plastics by Biotechnology", Proceedings of the National Level Technical Symposium ACENTS'08 organized by Department of Chemical Engineering, Arunai Engineering, Thiruvannamalai on 8th March 2008.

Publication Details: (Provide only the count)

Category	Conferences	Journals
National	12	-
International	01	06

Awards and Recognitions:

- **Anna Centenary Research Fellowship (ACRF)** from the Centre for Research, Anna University, Chennai to carry out research from Jan 2014 – August 2016
- **Best Paper presentation Award** at 4th National Level Conference on Innovations in Machinery and Structures, Chennai, 2014
- **Best Paper presentation Award** in Manufacturing Stream at 2nd National Level Technical Conference on Recent Research in Mechanical Engineering, Melmaruvathur, 2012

Academic Responsibilities:

- **Member** of the Syllabus Sub Committee for **B. Tech Ceramic Technology** Programme under Regulation 2015 by University Departments of Anna University, Chennai.
- **Question paper setter** of the **Affiliated College** for End semester examinations held during Nov/Dec 2016.
- **Faculty Advisor** for M. Tech Ceramic Technology from 2019 to 2021

Workshops / Seminar / Short term Courses / FDP Attended:

S. No	Name of the Event	Duration	Organized by
1	RIPE – Shrishti Programme	August 2007	RIPE & Adhiparasakthi Engineering College, Melmaruvathur
2	Two day programme on Entrepreneurship Awareness	17 th to 18 th March 2010	Entrepreneurship Development Cell (EDC) Adhiparasakthi Engineering College, Melmaruvathur
3	Chemclave'10	5 th to 7 th March 2010	Department of Chemical Engineering, IIT Madras, Chennai
4	UGC NRC – M Workshop on Polymers: Properties, Characterizations and Applications	1 st to 4 th July 2014	Department of Materials Engineering, Indian Institute of Science (IISc), Bangalore
5	UGC Sponsored Short Term Course on New Materials Their Characterization and Applications (Programme - 1)	09 th to 10 th October 2014	Centre for Nanoscience and Technology, Crystal Growth Centre & Department of Mechanical Engineering, Anna University, Chennai.
6	UGC Sponsored Short Term Course on New Materials Their Characterization and Applications (Programme - 2)	15 th to 16 th October 2014	Department of Aerospace Engineering, MIT Campus, Anna University, Chennai.
7	One day workshop on Research Methodology	10 th December 2014	Centre for Faculty Development, Anna University, Chennai.
8	Two day workshop on High Resolution Transmission Electron Microscopy and Scanning Probe Microscopy	23 rd to 24 th January 2015	Nanotech Research, Innovation and Incubation Centre, PSG Institute of Advanced Studies, Coimbatore.
9	DST Purse Phase II Sponsored Two Day workshop on High Temperature Ceramics	19 th to 20 th February 2015	Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai.
10	DST Purse Sponsored Two Day workshop on Advanced	23 rd – 24 th February 2015	Department of Mechanical Engineering, College of Engineering

	Characterization Techniques of Materials		Guindy Campus, Anna University, Chennai.
11	Author Workshop	17 th March 2015	Springer & Anna University, Chennai.
12	Author Workshop	2 nd November 2015	Springer & Anna University, Chennai.
13	SERB - DST Sponsored Two day National Seminar on Porous Ceramics	27 th to 28 th May 2016	Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai
14	Routledge Editorial Workshop 2016	3 rd August 2016	Taylor & Francis India at Anna University, Chennai
15	DST Purse Phase II Sponsored One day seminar on Refractories : Materials, Installation and Applications	5 th October 2016	Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai
16	GIAN Course on Sintering and Sintering –Free processing of Ceramics and Microstructural Development Course Faculty: <i>Prof. Dr. Rajendra K Bordia, Clemson University, USA</i>	2 nd – 8 th January 2017	IIT Madras, Chennai
17	Two days workshop on Materials Characterization	24 th – 25 th February 2017	Department of Mechanical Engineering, College of Engineering Guindy Campus, Anna University, Chennai.
18	One day programme on Springer Nature Author workshop	27 th February 2017	Springer & Anna University, Chennai.
19	One day National seminar on Ceramic Coatings	13 th March 2017	Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai
20	Workshop on Scope for R & D Projects and Proposal Preparation	12 th May 2017	Centre for Technology Development and Transfer (CTDT), Anna University, Chennai – 25
21	SERB School on Mechanical Testing	22 nd - 31 st May 2017	Department of Materials Engineering, Indian

			Institute of Science (IISc), Bangalore
22	Workshop on Make in India – Transforming Research to Reality	5 th September 2017	Centre for Technology Development and Transfer (CTDT), Anna University, Chennai – 25
23	One day National Seminar on Ceramic Composites	22 nd September 2017	Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai - 25
24	GIAN Course on Advanced X-ray diffraction techniques for the characterization of materials <u>Course Faculty:</u> <i>Prof. Dr. C. Ferrari</i> <i>IMEM, Italy</i>	17 th – 25 th January 2018	Crystal Growth Centre, Anna University, Chennai – 25
25	One day Awareness Workshop on Intellectual Property Rights 2018	2 nd February 2018	Centre for Intellectual Property Rights (CIPR), Anna University, Chennai- 25
26	Two Weeks Faculty Training on Entrepreneurship Development	13 th – 23 rd February 2018	Centre for Entrepreneurship Development (CED), Anna University, Chennai – 25
27	One day seminar on Application of Ceramic & Polymer in 3D Printing	16 th March 2019	Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai - 25
28	Training Programme on “URKUND : Plagiarism Detection Service”	3 rd April 2019	University Library & Centre for Research, Anna University, Chennai – 25
29	Webinar on Waste Water Treatment	30 th May 2020	Department of Physics & Chemistry, St. Joseph’s Institute of Technology, Chennai – 119
30	National Level Webinar on Digital media for Learning and Teaching	9 th June 2020	Department of Physics, Sir Theagaraya College, Chennai – 21

31	Webinar on Head start your professional enhancement through Cambridge Knowledge Test (TKT)	14 th June 2020	Dr. M. G. R Educational and Research Institute, Chennai – 95
32	Six Days Webinar on Modern Materials and Industrial Automation	20 th – 25 th June 2020	Department of Mechanical Engineering, Sri Sai Ram Institute of Technology, Chennai - 44
33	Webinar on Recent Research and Development in Additive Manufacturing	25 th June 2020	Department of Mechanical Engineering and Additive Manufacturing Zone, Amal Jyothi College of Engineering, Kottayam
34	Online Faculty Development Programme on Advanced Manufacturing Technology	28 th June – 04 th July 2020	Department of Mechanical Engineering, Karpagam College of Engineering, Coimbatore
35	Webinar on Invention to Patent – Awareness and Strategies	02 nd July 2020	Department of Mechanical Engineering, St. Joseph's Institute of Technology, Chennai
36	Webinar on Unmanned Aerial Vehicle - A Sky Boon	04 th July 2020	Department of Mechanical Engineering and Quality Management Centre, Sri Venkateswara College of Engineering, Sriperumbudur
37	Webinar on Use of Lanthanide ions as Photoluminescence (Structural) Probes	06 th July 2020	Department of Physics, Saveetha Engineering College, Chennai
38	International Online Faculty Development Programme on Advancements in Applied Chemistry (AAC 2020)	06 th – 8 th July 2020	Department of Science, St. Joseph's College of Engineering, Chennai – 119
39	Six Days Online Faculty Development Programme (FDP) on Nanomaterial Synthesis, Process, Characterization and its Functional Applications	06 th – 11 th July 2020	Department of Automobile Engineering, Hindusthan College of Engineering and Technology, Coimbatore
40	Webinar on Advances in the Synthesis of Biopolymer – Ceramic Composite for Biological Applications	10 th July 2020	Department of Physics, Saveetha Engineering College, Chennai
41	Webinar on Additive Manufacturing: Fundamentals and Applications	14 th July 2020	Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli
42	International Webinar on Nanostructured Metal Oxide Thin Film for Sensor Technology	16 th July 2020	Department of Physics, Saveetha Engineering College, Chennai

43	International Webinar on Nanomaterials - A Multidisciplinary Approach	20 th July 2020	Department of Physics, Saveetha Engineering College, Chennai
44	Six Days National Webinar series on A Vision Towards Materials Manufacturing	20 th – 25 th July 2020	Department of Mechanical Engineering, KPR Institute of Engineering and Technology, Coimbatore – 641 407
45	International Webinar on Nanotech Applications	24 th – 25 th July 2020	Department of Science, St. Joseph's College of Engineering, Chennai – 119
46	National Webinar on SPACE 2.0	25 th July 2020	Department of Science, St. Joseph's College of Engineering, Chennai – 119
47	Webinar on Introduction to Aircraft Structural Analysis Using Patran and Nastran	27 th July 2020	SRM Institute of Science and Technology, Kattankulathur, Chennai – 603 203
48	AICTE Sponsored Six Days Virtual Short Term Training Programme (STTP) on Energy Storage Characteristics, Surface treatment , Durability , Sustainability and Micro Structural Evaluation of smart and Phase change materials and Its Applications	27 th July 2020 to 01 st August 2020	Department of Mechanical Engineering, Sri Sai Ram Institute of Technology, Chennai - 44
49	Webinar on Research on Metallic Glasses – an Overview	28 th July 2020	Department of Physics Condavaru Kandaswami Naidu College for Men, Chennai – 102
50	Webinar on Advanced Electronic Materials and Devices for select Aero-Space and Aero-Defense Applications – A Bird's Eye View	01 st August 2020	Department of Physics, Saveetha Engineering College, Chennai
51	AICTE AQIS Sponsored Short Term Training Programme on Advances in Additive Manufacturing	24 th – 29 th August 2020	Siemens Centre of Excellence for Digital Manufacturing and Robotics under NAFETIC at Yeshwantrao Chavan College of Engineering, Nagpur
52	AICTE Training And Learning (ATAL) Academy Online FDP on Mechanics of Composite Materials and Structures	09 th – 13 th September 2020	M. B. M. Engineering College, Faculty of Engineering and Architecture, J. N. V. University, Jodhpur

53	5-days online FDP on the theme Inculcating Universal Human Values in Technical Education	3 rd – 7 th May 2021	All India Council for Technical Education (AICTE)
54	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on Functional Materials for Energy Environment and Healthcare	21 st – 25 th June 2021	NIT Calicut
55	AICTE Training And Learning (ATAL) Academy Online Elementary FDP 3D Printing & Design for Innovative Medical Devices	28 th June – 02 nd July 2021	Malaviya National Institute of Technology, Jaipur

Membership, Committees, Boards etc:

- **Reviewer** of the Powder Technology – Journal – Elsevier
- **Reviewer of** the Ceramics International – Journal - Elsevier
- **Member** of the Indian Ceramic Society on period of 2010 – 2012
- **Committee Member of Ceramic Researchers Association** for Department of Ceramic Technology, A C Tech Campus, Anna University, Chennai.