CURRICULUM-VITAE

Name **PROF. S. SRIKANTASWAMY**
Ph.D., FRSC (London)

Profession **Professor,**
Department of Studiesin Environmental Science,
Mansagangotri, University of Mysore

and

Coordinator,
M. Tech in Materials Science
Vijnana Bhavana, Mansagangotri
University of Mysore, Mysuru,

Former Director
College Development Council,
University of Mysore, Mysuru

Professor and Chairman, Board of Studies
in Environmental Science, University of Mysore

Professor and Chairman, Board of Studies
in Materials Science, University of Mysore

Council Member, Indian Science Congress,
Kolkata – 700 017, India

Sectional President, Materials Science Section
107th Indian Science Congress

Editorial Member, Everyman Science, Indian
Science Congress, Kolkata – 700 017, India

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Education **Bachelor of Science (B.Sc.) University of Mysore**
1979 to 1982
Master of Science (M.Sc.) University of Mysore
1982 to1984
Doctor of Philosophy (Ph.D)
University of Mysore 1988

Field of Specialization	**Environmental Science,** **Materials Science – Carbon nanotube,** **Hydrothermal Technique of Crystal Growth.** **Microporous, Photocatalytic and Photochemical materials.**
Publication	**Over 160+ Research papers including one major Review in International Journals. Over 110 papers presented in Conferences/Seminars held in India and abroad.**
Administrative experience	**Director College Development Council, July 2016, to October, 2020.** **Since June 2002 to July 2016, working as Faculty advisor for Men's Hostel, University of Mysore.** **Worked as admission committee member for M.Sc., Students.** **Chairman BOS in Environmental Science December 2015 to 2018 and 2020 to till.** **Working as Board of Examiners Member and Chairman for University of Mysore and Tumkur University.** **BOS and BOE Chairman for University of Mysore, and BOS member for Tumkur University and Karnataka State Open University**
Professional Experience	**36 Years of Research Experience in the field of Environmental Earth Science, Crystal Chemistry, Materials Science and Solid state Science.** **31 Years of teaching Experience – Teaching graduate and Post- Graduate Courses.**

Research experience:

1985 - 1989	**Research scholarship awarded by CSIR, New Delhi**	Department of Geology Manasagangotri, University of Mysore, Mysore	During this tenure Ph.D., Degree obtained
1990 - 1994	**Research Associateship awarded by UGC New Delhi**	Department of Geology Manasagangotri, University of Mysore, Mysore	Post-Doctoral research &also PG teaching was Assigned
1994- till Date	**Faculty Member of University of Mysore**	At present working as**Professor**, DOS in Environmental Science, **Coordinator,** M. Tech in Materials Science Manasagangotri, Mysore	
1998 - 2000	**Post-Doctoral Research**	Research Institute for Solvothermal Technology Takamatsu, Japan	

Awards& Recognition:

1. **Fellow of Royal Society of Chemistry (FRSC) London**
2. **Council Member, Indian Science Congress Association**
3. **Prof. W. D. West Memorial Award, (National Award) by the Indian Science Congress Association, Kolkata, on the occasion of 106th ISCA, Held in Jalandhar, Punjab, India.**
4. **Kannada Rajyostava Award Mandya, District Kannada Parishath, November 01, 2020**
5. **Recipient of the Attractive Paper award in the IX International Conference on Crystal Growth, August 20-25, 1989, Sendai, Japan.**

<u>Ph.D. Degree Received in 1989</u>

Title of the Thesis: Synthesis and Characterization of ABO_4 Crystals (A= Al, Ga, Fe, Mn, B; B= P, V, As)

Projects completed:

Sl. No.	Title of the Project	Funding Agency	Amount	Year (From-To)
1.	**Carbon Materials**	Japan Govt.	-	1998-2000
2.	**Polymorphs of Carbon Materials**	DST, New Delhi	Rs.32 Lakhs	2004-2007
3.	**Industrial Pollution Abatement through preventives Strategies**	MOE & F Govt. of India	Rs.28 Lakhs	2008-2011
4	**Speciation of Heavy Metals and Their Geochemical Behaviour in Urban Waste Water- A Case Study of Mysore City**	UGC, New Delhi	Rs. 9, 76,800.	2010-2014
5	**Water Sample analysis and Biodiversity studies in the water bodies of proposed Mysore-Nanjangud Local Planning Area**	EMPRI, (Govt. of Karnataka)	Rs. 9,08,500=00	2014-2016
6	**University With Potential for Excellence (UPE) and Center with Potential for Excellence in a Particular Area (CPEPA)**	UGC	Rs. 60,00,00,000=00	2012-2020

Projects On-going:

Sl. No	Title of the Project	Funding Agency	Amount	Expected date of completion
1	**Climate Smart Livelihood and Socio-ecological Development of Biodiversity Hotspots of India**	DST, New Delhi	Rs.22 Lakhs	2022

- **Over 150* students have carried out project dissertation.**

- **Ph. D Degree: Seventeen students successfully completed their doctorial degree under my guidance and five are working.**

Ph,D Degree obtained under my Guidance Candidates list:

Sl No	Candidate Name	Title of the research	Year of Award
01	**Siamak Gholami**	Study of Water Pollution Assessment and Environmental Risk Management of Cauvery River at Krishna Raja Sagar Dam and its Downstream	2009
02	**Harish Kumara.B.K**	Study of Environmental flows and Ecological status in Tungabadra River, India	2011
03	**Shiva Kumar. D**	Geochemistry of Heavy metals and their Speciation study in soil of Industrial area of Mysore city, India	2013
04	**Shakunthala Bai**	Speciation of Heavy metals and their geochemical behavior in urban wastewater- a case study of Mysore city	2013
05	**Madhukar.R**	Environmental Impact Assessment Studies of Major Industries in Bidadi and Doddaballapur Area,Karnataka	2013
06	**Kiran.B. M**	Iron oxides as stabilizing agent for treating Heavy metals in Solid waste	2014
07	**Susheela S**	Geochemistry and Speciation of Heavy Metal in sediments of Cauvery river basin around KRS Dam, Karnataka, India	2016
08	**Shruthi L**	Photocatalytic removal of chemical pollutant s from wastewater using Hydrothermally synthesized metal oxide semiconductors	2016
09	**Appaji Gowda**	A Study on Socio-Economic impact on the life style of the people in and around KRS dam at Mandya district in Karnataka, India	2017
10	**Priyadarshini N. R**	Environmental exposure and public health impacts of medical waste treatment and disposal in Mysuru	2017
11	**Vahid Sharifi**	Assessment of Environmental Impact using Remote Sensing and GIS on Urbanization of Mysore City, Karnataka, India	2017
12	**Manju R**	Composting of solid waste of Mysore city using different organic wastes as additives	2018
13	**Jagdish K**	Synthesis, Characterization and Application of Carbon nanotubes and its composites	2018
14	**Rajendra Prasad S**	Synthesis of transitions metal vanates-TiO_2 composites semiconductors for the photocatalytic degradation of organic pollutents in wastewater	2018
15	**Nayan M. B**	Hydrothermal Processing of Photocatalytic nanomaterials	2019
16	**Alaa Samy Hafez Megahed**	Study of Climate Change and Its Impact on Sustainable Development in Rural Areas of Mysore District, India	2020
17	**Abhilash.M.R**	Synthesis of Metal oxides and their uses in industrial wastewater treatment by photocatalytic process	2021

Conference/Seminar organized:

Sl. No.	Status as Organizer	Title of the conference/seminar	Date
1	**Organizing Secretary**	International School on Crystal Growth of Technologically Important Electronic Materials	Jan 2003
2	**Organizing Secretary**	6th International Conference on Solvothermal Reaction	Aug 2004
3	**Secretary and Treasurer**	National Conference on Current Trends in Environmental Science & Sustainable Development (NCESD – 2009)	Feb 27,28 2009
4	**Organizing Secretary**	Workshop on "Human-animal conflict and its ecological perspectives"	May 2013
5	**Organizing Secretary**	Special Lecture Series in Environmental Science	22February 2014
6	**Organizing Secretary**	Special Lecture Series on Material Science	03 May 2014
7	**Organizing Secretary**	Seminar on Benefits of Nuclear and Material Sciences in day to day life (BNMS- 2015)	21and 22nd August 2015
8	**Organizing Member**	"103rd Indian Science Congress 2016" Indian Science Congress Association	3-7 January 2016
9	**Convener**	31st Inter University National Youth Festival	15 – 19 February, 2016
10	**Chairman, (Accommodations)**	40th Indian Social Science Congress	19 – 23, December, 2016
11	**Convener**	AFMEEHC-2019, University of Mysore, Mysuru, India.	18-20, March, 2019.
12	**Convener**	National Conference on Science and Technology: Rural Development, Organized by University of Mysore and Indian Science Congress, Bangalore Chapter. University of Mysore, Mysuru, India.	17th and 18th, Oct, 2019.

Conference/Seminar Chaired:

Sl.No.	Title of the seminar	Organized by	Date
1	Symposium on Conservation and Management of River and lakes Ecosystems,	CES, IISc., Bangalore	Dec 22-24, 2008
2	National Conference on Current Trends in Environmental Science &Sustainable Development (NCESD – 2009)	University of Mysore	Feb 27,28 2009
3	Solvothermal Synthesis of Multiwalled Carbon nanotubes.	International Union for Materials Reasearch Society. IISc, Bangalore	Dec 16-20, 2013
4	Application of Nanotechnology in Environmental Remediation	Tumkur University	Oct 7, 2015
5	10^{th} International Conference on. Materials for Advanced Technologies (ICMAT-2019) Singapore	Nanyang Technological university of Singapore	23-29, June 2019
6	108^{th} Indian Science Congress	Indian Science Congress and University of Agricultural Sciences, Bangalore	Jan 3 – 7, 2020

Papers presentation in the International Conference/Workshops/School held abroad:

1	Synthesis and Characterization of $AlPO_4$:Nd	XVI international Rare Earth Research Conference, Hamilton, Canada	June 9-12,1986	presented the paper
2	Growth and Properties of New polymorphic modification of AlPO4	8^{th} International Conference on Crystal Growth, York, U.K.	July 13-18, 1986,	presented the paper
3	Hydrothermal reactions of Carbon	International Conference on Diamond related materials, Tsukuba, Japan	Feb28 – march1, 1999	Present the paper
4	Hydrothermal reactions of Wood ceramics	I^{st} Workshop on Soft Solution Process, TIT, Tokyo, Japan	March 1-4, 2000,	Present the paper
5	Photocatalytic Degradation of Phenol Using hydrothermally Prepared ZnO Impregnated onto The	PCGMR Symposium, Nanotechnolgy For Advanced Materials, National Cheng Kung University, Tainan,	September 23^{rd} -24^{th} 2011	Present the paper and got best presentation award

	Activated Carbon	Taiwan		
6	Biodegradation of Dyes in Aqueous Solution Using Fungi	12th IUMRS International Conference in Asia Taipei, Taiwan	September 19th -22th 2011	Present the paper
7	Socio-Economic Impacts on Indigenous Population due to River water pollution of Cauvery river, Karnataka, India.	International conference Chiba, Japan.	14th May-17th May, 2014	Present the paper
8	Hydrothermal Synthesis of Nd_2O_3 coated Tio_2 Nanomaterial for the Photocatalytic degradation of Indigo carmine dye.	International conference on Nanotechnology	22rd April to 24th April, 2016	Present the paper
9	Biomolecule-Mediated synthesis of Selenium Nanoparticles and its Charecterization.	International conference on Nanotechnology	22rd April to 24th April, 2016	Present the paper
10	Study of geochemical behavior of heavy metals in agricultural crops	ICER-006-PS-O-16, ICER-16,8th International Congress of Environmental Research, LuebeckUniversity of Applied Sciences,Luebeck, Germany, ISBN: 978-81-909379-8-6, (PIN:909379, Category No:5.	27-28 July, 2016	Paper Presented
11	Hydrothermal Technology for generation of Metal oxides	6th ISHA, MRAM, Tohoku University, Sendai, Japan	August, 8-12, 2018	Paper Presented
12	Hydrothermal synthesis of MgO micro-flowers and their applications in efficient photo-catalytic dye degradation and heavy metal separation and also its biological activity	GICAN, The University of Newcastle, NSW, Australia.	October, 30 to November, 02 2018	Paper Presented
13	Photo-catalytic dye degradation and biological activities of Iron/Cuprous nanocomposites	Nelson Mandela bay stadium, Port Elizabeth, South Africa.	November, 7-9,2018	Paper Presented

14	Hydrothermal Synthesis of Novel Fe/$BiVO_4$ Hetero-Nanoflowers withEnhanced Visible Light Driven Photocatalytic Activity for Wastewater Purification	09^{th} ICMAT, Symposium – CC, Suntec, Singapore.	18-23, June,2017,	Paper Presented
15	Controllable Hydrothermal growth of Iron oxide nanoparticle: Reaction parameters and its water treatment studies with graphene oxide composite	Symposium, A-8, 15TH IUMRS-ICAM, 2017, Yashida Campus, Kyoto University, Kyoto, Japan.	August,27 - September, 01, 2017,	Paper Presented
16	Synthesis of Metal oxideHeterostructures by Hydrothermal method and their applications	10^{th} International Conference on Materials for Advanced Technologies (ICMAT-2019) Singapore	23-29 June 2019	Paper Presented

Papers presentation in the International Conference/Workshops/School held in India:

1	Synthesis of a New proton Conductor – $Nh4Zr_2V_5O_{12}$	Workshop on Material Science, IIT Kanpur	Feb28 – March 2, 1985	presented the paper
2	Influence of admixtures on the crystallization in Polymorphic transition of Piezoelectric Aluminum orthophosphate	Symposium on Crystal Growth, VECC, Calcutta	Jan 29-31, 1986,	presented the paper
3	Synthesis of Y:AlPO4	3^{rd} National Seminar on Crystal Growth Anna Univ. Madras.	Feb. 16-19, 1987,	presented the paper
4	eraml Expansion of Berlinite Crystals	XIX National Seminar on Crystallography, Chenganacherry, Kerala.	Dec.18-20, 1987,	presented the paper
5	Frequency dependent coductivity of a New Superionic coductor – $(NH_4)Zr_2VO_{17}$	Symposium on Solid State Physics, BARC, Bombay.	Dec 27-31, 1987,	presented the paper
6	Thermodynamic characterstic	IV National Seminar on	Nov 18-	presente

	of Berlinite crystals	Crystal Growth, Madras	20, 1990,	d the paper
7	Hydrothermal synthesis of Hexaferrite compounds	IV National Seminar on Crystal Growth,Madras.	Nov 18-20,1990	presente d the paper
8	The effect of Mixed Solvents on the Solubility and Growth of piezoelectric Berlinite	IV National Seminar on Crystal Growth, Madras	Nov 18-20,1990,	presente d the paper
9	Synthesis of $AlPO_4$ – Ceramic Binders	Conference on Oxide Ceramics and Technology, Kolhapur	Feb. 21-23, 1991	presente d the paper
10	Hydrothermal Synthesis and Characterization of Hexaferrites	XXII National Seminar on Crystallography, Jaipur, Rajasthan.	March 23-25, 1992	presente d the paper
11	Stability and behaviour of Carbon nanotube under Hydrothermal conditions	International School on Crystal Growth of Technologically Important Electronic Materials, Mysore	January 20-28, 2003,	presente d the paper
12	Hydrothermal Impregnation of particulates on Activated Carbon	International School on Crystal Growth of Technologically Important Electronic Materials, Mysore	January 20-28, 2003,	presente d the paper
13	Hydrothermal Carbons	6^{th} International Conference on Solvothermal Reactions, Mysore	August 24-28, 2005	presente d the paper
14	Single Wall Carbon Nanotube transformation into Multiwall Carbon Nanotube and Carbon Nanocells under Hydrothermal treatment	6^{th} International Conference on Solvothermal Reactions Mysore.	August 24-28, 2005,	presente d the paper
15	Mapping of Renewable Energy Resources using GIS	International Seminar on Geoinformatics – 2004, Mysore	Dec 13-14, 2004	presente d the paper
16	Ground water assessment study in parts of Mysore city around industrial area	International Conference on Water and Health SJCE, Mysore, Mysore	22^{nd} – 23^{rd} January 2005,	presente d the paper
17	Study of stability of Carbonized wood materials by hydrothermal method	National Symposium on Bio-Organic and Medicinal Chemistry (NSBM) DOS in Chemistry, Univ. of Mysore,	5^{th} – 7^{th} October 2005	presente d the paper
18	Photocatalytic degradation of Carmine dye using Nd_2O_3 – TiO_2	National Workshop on Catalysis Bangalore	8^{th} -10^{th} Feb 2007	presente d the paper
19	Photocatalytic Degradation of	National Conference in	27^{th}- 29^{th}	Participa

	Phenol using hydrothermally prepared ZnO impregnated onto the activated carbon	Chemistry	September 2006	ted
20	The degradation of pesticide in Wastewater using Hydrothermally prepared TIO_2	National Conference in Chemistry	27th- 29th September 2006	Participated
21	An Assessment of Water Quality SEFIDROD river in Iran after Removal of Silt	International Conference on Environmental Education	Aug 23–26 2007	Presented Paper
22	Catalysis	Bangalore Institute of Technology	October 8th 2007	Participated
23	Photocatalytic degradation of phenol using hydrothermally prepared ZnO impregnated onto the activated carbon	National Workshop on Catalysis Bangalore	8th -10th Feb 2008	Participated
24	Waste water treatment and Management in Urban areas – a case study of Mysore city	Symposium on Conservation and Management of River and lakes Ecosystems, CES, I I Sc., Bangalore	Dec 22-24 2008	presented the paper
25	Organized by RMP, Mysore	Industrial application of Radioactivity and Ionizing Radiations,	Nov 22 2008	Participated
26	Characteristics of Urban Wastewater- a case study of Mysore city	National Conference on Current Trends in Environmental Science &Sustainable Development (NCESD – 2009)	Feb 27,28 2009	presented the paper
27	Study of Heavy Metals in Sediments of Urban Wastewater of Mysore	Recent Advances in Mineral Sciences and Their Applications	March 17th -18th, 2011	Presented the Paper
28	Environment Flow requirement – A case study of Tungabhadra river basin	Recent Advances in Mineral Sciences and Their Applications	March 17th -18th, 2011	Participated
29	Solvothermal Synthesis of Multiwalled Carbon nanotubes.	International Union for Materials Reasearch Society. IISc, Bangalore	December 16-20, 2013	Participated
30	102rd Indian Science Congress 2016" Indian Science Congress Association	University of Mumbai	January 3rd to 7th, 2015	Participated
31	Kannada VijnanaSammelana	University of Mysore	15th to 17th Sep 2014	Participated
32	Geochemical behavior of Heavy metal in Urban	National Conference on Pure and Applied	29th to 31th Dec	Presented the

	Wastewater treatment plants of Mysore city, India	Chemistry, University of Mysore	2014	posters
33	Hydrothermal synthesis of multiwall carbon nanotubes using polystyrene.	National Conference on Pure and Applied Chemistry, University of Mysore	29th to 31th Dec 2014	Presented the posters
34	Application of Nanotechnology in Environmental Remediation	Application of Nanotechnology in Environmental Remediation, Tumkur University	October 7, 2015	Participated
35	103rd Indian Science Congress 2016" Indian Science Congress Association	University of Mysore	January 3rd to 7th, 2016	Organizing Member
36	International conference on Science and Technology: Future challenges and solutions -	IJAA, JSPS, UOM, and VTU	August 8 – 9, 2016	Organizing Member
37	3rd International STEM Fest	GST, STEM and UoM	October, 17 – 20, 2016	Organizing Member
38	International conference on best practices in sustainable water, wastewater and Energy management	KSPCB, Rotary, CED UVCE, CED SET, EAB and AMC	August, 2016.	Presented the paper
39	National conference on Innovative technology to combat climate change in India	Sri Mahaveer Jain collage, KGF	3rd March, 2017	Presented the paper
40	National conference on Innovative technology to combat climate change in India	Sri Mahaveer Jain collage, KGF	3rd March, 2017	Presented the paper
41	National Conference on Recent advances in Aquaculture	Maharani's Science College for Women, Mysuru	22rd Septembe r, 2017	Presented the paper
42	Controllable hydrothermal route Novel MWCNTs/Metal oxides composites used for Textile Dyes removal from aqueous Environment,	09th ICMAT, Symposium – L-09, Suntec, Singapore.	18-23, June, 2017,	Presented the paper
43	106th Indian Science Congress 2018" Indian Science Congress Association	Lovely Professional University, Jalander, Punjab, India.	January, 3-7,2018	Presented the paper
44	Synthesis of mesoporous $BiVO_4$-Ag_2WO_4	AFMEEHC-2019University of Mysore,	March, 18-	Presented the

	nanocomposites and their highly efficient photocatalytic performance for dye pollutants	Mysuru, India.	20,2019	paper
45	One step synthesis of tin oxide and cuprous oxide nanomaterials and their sintering effect in dye degradation.	International Conference on Nanomaterials and their Applications 2018 (ICNA 2018), University of Mysore, India.	March, 18-20,2018	Presented the paper
46	High-routine supercapacitor-based materials support on polypyrrole composites fixed with core-scabbard polypyrrole@MnMoO4/Cs2O nanorods.	International Conference on Nanomaterials and their Applications 2018 (ICNA 2018), University of Mysore, Mysuru, India.	February, 23-24, 2018	Presented the paper
47	Biogenic fabrication of metal oxide nanoparticles and their application	National Conference on Biodiversity and Bio-Prospecting for Sustainable Development, 2018" University of Mysore, Mysuru, India.	February, 23-24, 2018	Presented the paper
48	Biosynthesis of iron oxide (Fe_2O_3) nanoparticles via aqueous extracts of *Guadua angustifolia* and their pharmacognostic properties,	National Conference on "Biodiversity and Bio-Prospecting for Sustainable Development, University of Mysore, Mysuru, India.	February, 23-24, 2018	Presented the paper
49	Green synthesis, characterization and applications of Fe_2O_3, nanoparticles by using Crotalaria L,	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March, 2019	Presented the paper
50	Synthesis, charactrization and antimicrobial activity of nanoparticles,	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March, 2019	Presented the paper
51	Bio-fabrication of Cu_2O nanoparticles using *Plectranthusamboinicus*and their toxic potential against bacteria: A mechanistic approach,	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March,2019	Presented the paper
52	Photocatalytic activity of ZnO-MxOyHeterostructures and comparision study of	Advaced Functional Materials for Energy, Environment and Health	18-20, March,2019	Presented the paper

	Band positions and Surface area	Care (AFMEEHC-2019) University of Mysore, Mysuru, India.		
53	Solar-Light-Induced Photocatalytic Properties of NovelMnV_2O_6/TiO_2 Nanocomposite	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March,2019	Presented the paper
54	Enhanced Photo-reduction CO2 Activity of Cu_2O/ZnOHeterostructures under Visible Light Irradiation	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March.2019	Presented the paper
55	High efficient $BiVO_4/CeO_2$/MWCNTs Nanocomposites for thephotocatalytic treatment of wastewater,	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March,2019	Presented the paper
56	Growth mechanism of MWCNTs by Fe-Ni bimetallic catalyst on $CaCO_3$ support via Catalytic Chemical Vapor Deposition Process	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March,2019	Presented the paper
57	Photocatalytic degradation of anionic dye using bismuth doped TiO_2–Fe_2O_4 composite	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March,2018	Presented the paper
58	Investigation of optical and electrical properties ofMWCNT/$AgWO_2$− composites,	Advaced Functional Materials for Energy, Environment and Health Care (AFMEEHC-2019) University of Mysore, Mysuru, India.	18-20, March,2018	Presented the paper
59	Enhanced Photo-Reduction CO_2 Activity of Se/Cu_2O Heterostructures Under Visible Light Irradiation,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17^{th} and 18^{th}, Oct, 2019,	Presented the paper
60	Visible Light Enhanced Photocatalytic Degradation Of Janus Green By Fe_2O_3/ZnO/GO Ternary	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17^{th} and 18^{th}, Oct, 2019,	Presented the paper

	Nanocomposite,			
61	Simultaneous Removal of Cationic And Anionic Dyes From Environmental Water Using Bismuth Doped TiO_2–Fe_2O_4 Composite	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
62	Green Synthesis, Characterization and Applications of Fe_2O_3 Nanoparticles By Using *Crotalaria L*,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
63	Band Structure Parameters and Overview of Available Approximation Computational Methods,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
64	Photo-Catalytic Degradation Of Chromium (VI) By Using Nano-Porous Silver Tangstanate,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
65	Functional Multiwalled Carbon Nanotubes (CNT'S) Composite with Silver Tungstate Nanoparticles And Its Application On Antibacterial Activity,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
66	Preparation of $CoTiO_3$/CNT (CTC) Nano-Photocatalyst With Enhanced Methylene Blue Dye Degradation,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
67	Hydrothermal Synthesis of Porous Ni/Fe_2O_4/CNT Nano-Composite with High Photocatalytic Properties	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
68	Fabrication of Heterogeneous ZnO Hybrid Structure Nanocomposites and Their Photocatalysis	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
69	Transition Metal Vanadates and Titanium Dioxide Nanocomposite For The Photocatalysis: Methylene Blue Dye Degradation,	National conference on Science and Technology: Rural Development (NCSTRD-2019)	17th and 18th, Oct, 2019,	Presented the paper
70	Multi-walled carbon nanotubes synthesis by Fe-Ni nanoparticle –catalyzed controlled on $CaCo_3$	CCM-2019, Indian Carbon Society, and CSIR-National Physical Laboratory, New Delhi.	20-22, November	Presented the paper

LIST OF PUBLICATIONS (National and International)

1) Fabrication of spherical porous pAg_2O-nWO_3/Ag/GNS heterostructure with enhanced photocatalytic activity through plasmonic S-scheme mechanism and its complementing biological interest, Abhilash Mavinakere Ramesh, Anju Kodandaram, Chandrakantha Kampalapura Swamy, Akshatha Gangadhar, Chandra Mohana Nagabhushana, **Srikantaswamy Shivanna,** *Chemosphere* (Elsvier, Pergamon publishers), Volume 294, May 2022, 133715

2) Effect of CeO_2 nanoparticles on dielectric properties of PVB/CeO_2 polymer nanodielectrics: a positron lifetime study, M Raghavendra, K Jagadish, **S Srikantaswamy**, TM Pradeep, AP Gnana Prakash, HB Ravikumar, *Journal of Materials Science: Materials in Electronics* (Springer US), Volume 33(2), 1063-1077

3) Designing of Fe_2O_3/GO heterostructure with enhanced photocatalytic activity and biological applications, Abhilash Mavinakere Ramesh, Akshatha Gangadhar, Mahendra Chikkamadaiah, Chandra Mohana Nagabhushana, Anju Kodandaram, Jagadish Krishnegowda, Kiran Budiguppe Mahadevaiah, **Srikantaswamy Shivanna**, *Nanotechnology for Environmental Engineering*(Springer International Publishing), Volume 6 (3) 1-14, 2021

4) Photo-catalytic dye degradation of methylene blue by using ZrO_2/MWCNT nanocomposites, Akshatha Gangadhar, AbhilashMavinakere Ramesh, Jagadish Krishnegowda,**Srikantaswamy Shivanna**, *Water Practice & Technology* 16 (4), 1265-1276, 2021

5) Microwave hydrothermal synthesis of copper induced ZnO/gC_3N_4 heterostructure with efficient photocatalytic degradation through S-scheme mechanism, Chandrakantha Kampalapura Swamy, Abdo Hezam, Abhilash Mavinakere Ramesh, Deepu Habbanakuppe Ramakrishnegowda, Dhananjay K. Purushothama, Jagadish Krishnegowda, Rangappa Kanchugarakoppal S., **Srikantaswamy Shivanna,** *Journal of Photochemistry and Photobiology A: Chemistry*, Volume 418, 2021, 113394, ISSN 1010- 6030, https://doi.org/10.1016/j.jphotochem.2021.113394. **(IF-4.291)**

6) Hydrothermal processing of interfacial $BiCeO_3$/MWCNTs photocatalyst for rapid dye degradation and its biological interest, Jagadish Krishnegowda, Abhilash Mavinakere Ramesh, Akshatha Gangadhar, **Srikantaswamy Shivanna,** *Journal of Environmental Chemical Engineering*, Volume 9, Issue 4, 2021, 105774, ISSN 2213-3437, https://doi.org/10.1016/j.jece.2021.105774. **(IF-5.909).**

7) Hydrothermal synthesis of Ga_2O_3/TiO_2 nanocomposites with highly enhanced solar photocatalysis and their biological interest, Abhilash Mavinakere Ramesha, Akshatha Gangadhar, Mahendra Chikkamadaiah, **Srikantaswamy Shivanna.**

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