SRI SHRIDEVI CHARITABLE TRUST (R.)

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

NAME: Dr.CHANDRASEKHAR.N
Designation: Dean Academics and Professor
Department: Chemistry

DateofJoining	01-08-2002		
Professional Experience	Teaching	Industry	Research
	25	00	14

ContactDetails

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GoogleScholar	https://scholar.google.co.in/citations?user=bOOaZSkAAAAJ&hl=en
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Vidwan -ID	**472499**

Academic Background

- **Phd**
- **M.Phil**
- **M.Sc**

AreasofInterest

• Nanotechnology	• Green Chemistry
•	•

Significant Publications

- **No. of Papers Published in Journals (Numbers and Description)=57**

Sl. No.	Title, Journal with volume, Year and Page Nos.
	2024
1.	"Fabrication of cost-effective green assisted synthesis of MoO_3 NPs: its photocatalytic activity and

	electrochemical sensing actions on lead, mercury, and paracetamol molecules". SENSING TECHNOLOGY, 22-02-2024; 2(1):1-21 https://doi.org/10.1080/28361466.2024.2316612
	2022
2.	"Quantitative determination of trace amounts of Diethylhexyl phthalate content in Dextrose injection proficiently by a simplistic Gas Chromatography Technique". Research J. Pharm. and Tech. 27-02-2022. 15(2):581-586. DOI: 10.52711/0974-360X.2022.00095
3.	**2021** "GCFID Technique for the Quantitative Evaluation of Multiple Residual Organic Solvent Impurities in Fosaprepitant Dimeglumine Drug" Asian Journal of Chemistry. Volume 33 (7).PP:1645-1650 (26/6/2021) DOI:10.14233/ajchem.2021.23256
4.	"A Novel Liquid Chromatographic Method for the Quantitative Determination of Degradation Products in Remdesivir Injectable Drug product" Journal of Chromatographic Science. Vol:59 PP:1-7 (05.05.2021) https://doi.org/10.1093/chromsci/bmab042
5.	A simple Gas chromatographic method for the Quantitative determination of related impurity (1, 4-butanediol) in busulfan drug. Rasayan Journal of Chemistry, RJC, Vol. 14(2) PP: 914-919 (April 2021)
6.	In-vitro antibacterial, antioxidant and cytotoxic potential of gold nanoparticles synthesized using novel Elaeocarpus ganitrus seeds extract. Journal of Science: Advanced Materials and Devices Volume 6(1), March 2021, PP: 127-133. https://doi.org/10.1016/j.jsamd.2020.09.008
7.	Structural and Biological Investigation of Green Synthesized Silver and Zinc Oxide Nanoparticles S. P. Vinay& N. Chandrasekhar Journal of Inorganic and Organometallic Polymers and Materials. 31 (2), PP: 552-558. February 2021 https://doi.org/10.1007/s10904-020-01727-y
8.	**2020** Facile combustion synthesis of Ag2O nanoparticles using cantaloupe seeds and their multidisciplinary applications. Vol: 34(10), pp:1-11 Applied Organometallic Chemistry WILEY(Elsevier) 18 June 2020 pages 1-11.DOI:10.1002/aoc.5830
9.	Hydrothermal Synthesis of Gold Nanoparticles using Spider Cobweb as Novel Biomaterial: Applications to Photocatalytic. Chemical Physics Letters. Corresponding Author: Dr. chandrasekhar N* Authors: Vinay S P, M.Sc; Udayabahnu Udayabahnu, M.Sc; Nagaraju G, Ph.D; Chandrappa C P, Ph.D. Vol 748 (137402).pp:1-7 25/03/2020 https://doi.org/10.1016/j.cplett.2020.137402
10	A Novel, Green, Rapid, Nonchemical route Hydrothermal assisted Biosynthesis of Ag2O nanomaterial by Blushwood berry extract and evaluation of its diverse applications. Applied Nanoscience.2020; 10:3341–3351 DOI :10.1007/s13204-020-01289-y.
11.	"Plant-mediated green synthesis of Ag nanoparticles using Rauvolfia tetraphylla (L.) flower extracts. Characterization, Biological activities and screening of their catalytic activity in formylation reaction" International Journal of science and technology-Scientia Iranica-Transactions on Nanotechnology (F) (14/09/2019) Dec-2020. Vol: 27(6) pp:3353-3366. doi: 10.24200/sci.2019.51275.2093
12.	2019 "Biogenically synthesized silver nanoparticles using endophyte fungal extract of Ocimum Tenuiflorum and evaluation of biomedical properties" Chandrappa Chinna Poojari; Hemashekhar Badar; Govindappa Melappa; Rajesh Rangappa; N Chandrasekhar; PRATHAP SOMU. Journal of cluster science 15 November 2019. Vol: 31(6) Nov-2020, pp: 1241–1255
13.	Green Synthesis and Characterization of Silver Nanoparticles using Cassia auriculata Leaves Extract and Its Efficacy as A Potential Antibacterial and Cytotoxic Effect. Advanced Materials Letters, May 2019, 10(11), 844-849. S. P.Vinay1, N.Chandrasekhar1*. DOI: 10.5185/amlett.2019.0046 www.vbripress.com/am (22/10/2019)
14.	Biomedical applications of Durio zibethinus extract mediated gold nanoparticles as antimicrobial, antioxidant and anticoagulant activity. International Journal of Biosensors & Bioelectronics. Published: October 11, 2019. Volume 5(4) – 2019.pp:150-155.
15.	Novel Gomutra (Cow urine) mediated synthesis of silver oxide nanoparticles and their enhanced Photocatalytic, Photoluminescence and Antibacterial studies. Vol 4 (2019) PP: 392-399,

	10/08/2019. Journal of Science: Advanced Materials and Devices. https://doi.org/10.1016/j.jsamd.2019.08.004
16.	"Endophytic Fungus Alternaria spp Isolated from Rauvolfia tetraphylla root arbitrate synthesis of Gold nanoparticles and Evaluation of their Antibacterial, Antioxidant and Antimitotic activities." Advances in Natural Sciences: Nanoscience and Nanotechnology.29/08/2019, Vol 10(3): PP-1-8. doi:10.1088/issn.2043-6262
17.	"Ixora coccinea extract-mediated green synthesis of silver nanoparticles: Photodegradative and antimicrobial studies" International Journal of Biosensors & Bioelectronics. 11/07/2019;5(4):100-105.
18.	"Rauvolfia tetraphylla (Devil Pepper)-Mediated green synthesis of Ag nanoparticles: Applications to Anticancer, Antioxidant and Antimitotic" Journal of Cluster Science. 30/05/2019 Vol: 30(6): pp- 1545-1564 (DOI: 10.1007/s10876-019-01598-5).
19.	Facile Green Chemistry Synthesis of Ag Nanoparticles Using Areca Catechu Extracts for the Antimicrobial Activity and Photocatalytic Degradation of Methylene Blue Dye. SP Vinay, N Chandrasekhar - Materials Today: Proceedings, 2019. Vol.9, pp: 499-505.Elsevier. https://doi.org/10.1016/j.matpr.2018.10.368
20	Enhanced photocatalysis, photoluminescence, and anti-bacterial activities of nanosize Ag: green synthesized via *Rauvolfia tetraphylla* (devil pepper). SN Applied Sciences (20/04/2019) 1:477 | Vol: 1(11) pp:1-14. 2019 https://doi.org/10.1007/s42452-019-0437-0
21.	**2018** "Determining the in-vitro cholesterol-reducing efficiency of *lactobacillus* and *enterococcus* strains isolated from human breast milk, feces of breast-fed infants and animal milk (goat, cow and buffalo)" International Journal of Pharmacy and Biological Sciences | Vol 8(4) /671-681/2018
22	"In vitro screening of the probiotic potential of lactobacillus and enterococcus strains isolated from human breast milk, feces of breast-fed infants and animal milk (goat, cow and buffalo)" International Journal of Pharmacy and Biological Sciences | Vol 8(4)/ 787-799/ 2018
23	"synthesis of gold nanoparticles by the flower extracts of *tabebuia argentiea* and their antioxidant activity" International Journal of Pharmacy and Biological Sciences | Vol 8(4), pp- 379-383/2018
24	**2017** "Yellow colored blooms of *Argemone mexicana* and *Turnera ulmifolia* mediated synthesis of silver nanoparticles and study of their antibacterial and anti oxidant activity". Applied nano science. Vol. 7(8), pp: 851-861. 2017. DOI 10.1007/s13204-017-0624-5.
25	Production, Characterization and Evaluation of thrombolytic activity of *Staphylokinase of Staphylococcus Hominis*. Current Trends in Biotechnology and Pharmacy. Vol. 11 (4). Pp: 389-395. 2017.
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27	Synthesis of silver nanoparticles by bioreduction method using leaves extracts of *Tecoma capensis* and study of their antibacterial properties. International Journal of Innovative Research in Science, Engineering and Technology. 2017. Vol. 6(7), pp: 14564-14568.
28	Screening and characterization of Micro organisms for the bio production of electricity from rice straw using microbial fuel cell. International Journal of Innovative Research in Science, Engineering and Technology 2017, Vol, 6(7), pp: 14670-14676.
29	Evaluation of Antibacterial Assay and Characterization of Silver Nanoparticles produced by green Synthesis method using *Hylocereus undatus* Fruit Extract. International Journal of Multidisciplinary Research Review. 2017, Vol 1(29), pp: 65-70.
30	*In vitro* antibacterial and antioxidant activities of betel leaf mediated synthesized silver nanoparticles. International Journal of Pharmacy and Biological Sciences. 2017 July; 8(3): (P) 383-390
31.	Green alloy of silver nanoparticles from endophytic extracts of *withania somnifera* and studies of antibacterial and antimitotic activity. Asian Journal of Pharmaceutical and Clinical Research. Vol 10(11), 2017, 300-303.
32	Green synthesis of silver nanoparticles from Endophytic fungus *Aspergillus niger* isolated from *Simarouba glauca* leaf and its Antibacterial and Antioxidant activity". International Journal of Engineering Research and Applications. 2017, Vol 7(8), pp: 17-24.
33	*In vitro* and in silico antioxidant, anti inflammatory and antibacterial activity of methanol leaf extract of *Randia spinosa*. European Journal of Biomedical and Pharmaceutical Sciences. 2017, Vol. 4(8), pp:867-877.
34	"Characterization and green synthesis of silver nanoparticles from *plumeria* leaves extracts study of their antibacterial activity". IOSR Journal of Applied Chemistry (IOSR-JAC). 2017. Vol. 10(7),

	PP 57-63.
35	Effect of *Citrus medica* L fruit peel extract on Genotoxicity induced by cyclophosphamide in Mice bone marrow cells. International Journal of Microbiological Research. 2017,Vol. 8 (2): pp: 43-47 DOI: 10.5829/idosi.ijmr.2017.43.47
36	Antibacterial Activity of Synthesized Silver Nanoparticles by *Simarouba glauca*a against pathogenic bacteria. International Journal of Current Pharmaceutical Research. 2017., Vol 9 (4), pp: 19-22
37	"Biosynthesis of silver nanoparticles using leaves extract of *Acalypha hispida* Burm.f and study of their antibacterial activity". International Research Journal of Natural & Applied Sciences 2017, Vol. 4(7), pp: 9-19.
38	"Corrosion characterization of ZA-27 / Red Mud Metal Matrix Composites in Sodium Chloride Solutions" International Journal of Scientific & Technology Research. 2017, vol. 6(8), pp: 1-4.
39	"One-step green synthesis of silver nanoparticles using flower extract of *Tabebuia argentea* Bur. & K. Sch. and their antibacterial activity". Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2017. Vol. 8(4) pp: 527-534.
40	"Eco - friendly Approach for the Green synthesis of Silver Nanoparticles using flower extracts of *Sphagneticola trilobata* and Study of Antibacterial activity. International Journal of Pharmacy and Biological Sciences. 2017, Vol. 7 (2). pp: 145-152.
41	Production and Partial Purification of Staphylokinase from Staphylococcus hominis. Research Journal of Pharmaceutical, Biological and Chemical Sciences 2017 vol. 8(4) PP: 77-86.
42	"Silver nanoparticles: Synthesized by leaves extract of Avocado and their antibacterial activity". International Journal of Engineering Development and Research. 2017, Vol 5(2), pp: 1608-1613.
43	**2016** Mycosynthesis of silver nanoparticles by *Alternaria* sp isolated from bark part of *Calophyllum apetalum*. Indo American Journal of Pharmaceutical Research. 2016. Vol. 6(8), pp: 6485-6489.
44	*Calophyllum apetalum interceded blend of silver nanoparticles and their antimicrobial impact*. Indian Journal of Nanoscience- 2016. Vol. 4(2), pp: 2320- 9674.
45	Endophytic synthesis of silver chloride nanoparticles from Penicillium sp. of *Calophyllum apetalum*. Advances in natural sciences: nanoscience and nanotechnology. 2016.Vol. 7, Pp: 1-5. doi:10.1088/issn.2043-6262
46	Gas chromatographic method for the quantitative determination of a hydrolytic degradation impurity in Busulfan injectable products. The Journal of Chromatographic Science-2016.Vol 54(9) pp: 1475–1480. https://doi.org/10.1093/chromsci/bmw117.
47	Phytochemical investigations of methanol leaf extracts of *Randia spinosa* by using column chromatography, HPLC and GC-MS. Natural Products Chemistry and Research. 2016. Vol. 4(202), pp: 1-15.
48	Biogenesis of silver nanoparticles by *Penicillium* sp. of *Calophyllum apetalum* Willd and their characterization. World Journal of Pharmaceutical Research. 2016 5(7), pp: 8171-8180.
49	"Synthesis and Characterization of Silver Nanoparticles using Ricinus communis Plant and Study of their Biological Activity". International Journal of Science, Engineering and Management (IJSEM) 2016, Vol 1(8), PP: 63-68.
50	**2014** Identification and Separation of Quercetin from Ethanol Extract of *Carmona retusa* by Thin Layer Chromatography and High Performance Liquid Chromatography with Diode Array Detection. World journal of Pharmacy and Pharmaceutical sciences. 2014 Vol 3(6). Pp: 2020-2029.
51	**2013** Evaluation of in-vitro antioxidant activity of ethanol extract of *Carmona retusa* (Vahl.) Masam. International Journal of Scientific and Engineering Research. 2013. Vol. 4(12). pp: 861-876.
52	Plant mediated synthesis of gold nanoparticles using fruit extracts of Ananas comosus (L.)(Pineapple) and evaluation of biological activities. Advanced Materials Letters Vol. 4(5), Pages 332-337, May 2013.
53	**2010** Bacterial degradation of anthracene by *Pseudomonas fluorescens* KCP2". Asian Journal of Microbiology, Biotechnology and Environmental Science. 2010., 12 (3). Pp: 591-597
54	**2009** Biodegradation of naphthalene by immobilized *Pseudomonas fluorescens* KCP1". The Bioscan, 2009.Vol. 4(3). pp: 387-393.
55	**2005** "Synthesis and Spectral studies on Palladium (II) and Lead (II) complexes with 1-Substituted Tetrazoline-5-thione", Oriental Journal of Chemistry. 2005. Vol.21 (3). Pp: 611-613.
56	"Oxo- Transition metal (IV&VI) complexes of 33-(4-Pyridyl)-4-Phenyl-Tetrazoline-5 thione", Oriental Journal of Chemistry. 2005. Vol. 21 (3). Pp: 569-572.
57	**2004**

	Synthesis and Characterization of some Organometallic Compounds of Iridium (I) with 2-Mercapto-3-Substituted Quinazoline-4-ones. Asian Journal of Chemistry. 2004. Vol. 16 (3). Pp: 1479- 1482.

- **No. of Papers Presented in Conferences (Numbers and Description)=13**

Sl. No.	**Title, Journal with volume, Year and Page Nos.**
	2024
1.	"Fabrication of cost-effective green assisted synthesis of MoO3 NPs: its photocatalytic activity and electrochemical sensing actions on lead, mercury, and paracetamol molecules". SENSING TECHNOLOGY, 22-02-2024; 2(1):1-21 https://doi.org/10.1080/28361466.2024.2316612
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2.	"Quantitative determination of trace amounts of Diethylhexyl phthalate content in Dextrose injection proficiently by a simplistic Gas Chromatography Technique". Research J. Pharm. and Tech. 27-02-2022. 15(2):581-586. DOI: 10.52711/0974-360X.2022.00095
3.	**2021** "GCFID Technique for the Quantitative Evaluation of Multiple Residual Organic Solvent Impurities in Fosaprepitant Dimeglumine Drug" Asian Journal of Chemistry. Volume 33 (7).PP:1645-1650 (26/6/2021) DOI:10.14233/ajchem.2021.23256
4.	"A Novel Liquid Chromatographic Method for the Quantitative Determination of Degradation Products in Remdesivir Injectable Drug product" Journal of Chromatographic Science. Vol:59 PP:1-7 (05.05.2021) https://doi.org/10.1093/chromsci/bmab042
5.	A simple Gas chromatographic method for the Quantitative determination of related impurity (1, 4-butanediol) in busulfan drug. Rasayan Journal of Chemistry, RJC, Vol. 14(2) PP: 914-919 (April 2021)
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8.	**2020** Facile combustion synthesis of Ag2O nanoparticles using cantaloupe seeds and their multidisciplinary applications. Vol: 34(10), pp:1-11 Applied Organometallic Chemistry WILEY(Elsevier) 18 June 2020 pages 1-11.DOI:10.1002/aoc.5830
9.	Hydrothermal Synthesis of Gold Nanoparticles using Spider Cobweb as Novel Biomaterial: Applications to Photocatalytic. Chemical Physics Letters. Corresponding Author: Dr. chandrasekhar N* Authors: Vinay S P, M.Sc; Udayabahnu Udayabahnu, M.Sc; Nagaraju G, Ph.D; Chandrappa C P, Ph.D. Vol 748 (137402).pp:1-7 25/03/2020 https://doi.org/10.1016/j.cplett.2020.137402
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12.	2019 "Biogenically synthesized silver nanoparticles using endophyte fungal extract of Ocimum Tenuiflorum and evaluation of biomedical properties" Chandrappa Chinna Poojari; Hemashekhar Badar; Govindappa Melappa; Rajesh Rangappa; N

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17.	“Ixora coccinea extract-mediated green synthesis of silver nanoparticles: Photodegradative and antimicrobial studies” International Journal of Biosensors & Bioelectronics. 11/07/2019;5(4):100-105.
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20	Enhanced photocatalysis, photoluminescence, and anti-bacterial activities of nanosize Ag: green synthesized via *Rauvolfia tetraphylla* (devil pepper). SN Applied Sciences (20/04/2019) 1:477 | Vol: 1(11) pp:1-14. 2019 https://doi.org/10.1007/s42452-019-0437-0
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49	"Synthesis and Characterization of Silver Nanoparticles using Ricinus communis Plant and Study of their Biological Activity". International Journal of Science, Engineering and Management (IJSEM) 2016, Vol 1(8), PP: 63-68.
50	**2014** Identification and Separation of Quercetin from Ethanol Extract of *Carmona retusa* by Thin Layer Chromatography and High Performance Liquid Chromatography with Diode Array Detection. World journal of Pharmacy and Pharmaceutical sciences. 2014 Vol 3(6). Pp: 2020-2029.
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54	**2009** Biodegradation of naphthalene by immobilized *Pseudomonas fluorescens* KCP1". The Bioscan, 2009.Vol. 4(3). pp: 387-393.
55	**2005** "Synthesis and Spectral studies on Palladium (II) and Lead (II) complexes with 1-Substituted Tetrazoline-5-thione", Oriental Journal of Chemistry. 2005. Vol.21 (3). Pp: 611-613.
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57	**2004** Synthesis and Characterization of some Organometallic Compounds of Iridium (I) with 2-Mercapto-3-Substituted Quinazoline-4-ones. Asian Journal of Chemistry. 2004. Vol. 16 (3). Pp: 1479- 1482.

- **Book Chapters (Numbers and Description)=08**
- **List of FDP's/Workshops (Numbers and Description)=73**

2024

1. Participated 5 Days Faculty Development Programme On Research Methodology and Developing Research Skills held during 26th February to 1st March 2024 conducted by Department of Computer Science and Engineering,Shridevi Institute of Engineering and Technology,Tumakuru, Karnataka, India – 572106.

2022

2. Participated online quiz on "constitution of India" on 26-11-2022 conducted by Government of India on the eve of 75th Azadi ka Amrith Mahothsav.

3. Attended " One day Faculty Orientation Program for VTU affiliated college teachers on Revised Chemistry Syllabus - 2022" organized by the Department of Chemistry, JSS Academy of Technical Education, Bengaluru in association with VTU, Belagavi on 24th November 2022.

4. Attended Five days Faculty Development Progamme on "Advances in Characterization Techniques" organized by Department of Department of Chemistry and Physics, Presidency University, Bengaluru from1 10th to 14th September 2022.

5. Attended One Week Online Faculty Development Progamme on "Taking Research to Next Level" organized by Department of Mechanical Engineering & Department of Basic Science, in Association with IQAC, ISNT and IIC Cell, Sri Venkateshwara College of Engineering, Bengaluru from 26th to 30th September 2022.

6. Attended Two-Day NAAC Sponsored State Level Seminar (Online) on "Teaching Learning and Assessment Process as per OBE in Higher Education Institutions in line with NEP 2020" on 2nd - 3rd September, 2022 organised by Sahyadri college of Engineering and Management.

7. Attended a one day workshop on "Chemistry syllabus in Engineering and B.Sc(Hon's) Course" on 11-06-2022 at City college of Engineering, Bangalore.

8. Attended a webinar on "Advanced Bio-based Polymer blends for Engineering Applications" organized by Department of Chemistry, SJCIT, Chikballapur on 03rd June 2022.

2021

9. Attended one day National Conference on "Implementation of NEP-2020 –Challenges and Opportunities for Educational Institutions " organized by Education Promotion Society for India (EPSI), at Hotel Taj, M. G Road, Bangalore on 30th November 2021.

10. Attended **one week Faculty Development** Program on "Outcome Based Education and NBA Accreditation" organized by department of Electronics & Instrumentation Engineering, Dr AIT Bangalore from 22nd-27th february2021.

2020

11. Attended a webinar on "Recent Advances: Nano materials for Water and Energy Applications" organised by department of Chemistry, CIT, Gubbi in association with MHRD-Institution Innovation Council (IIC) on 27th November 2020.

12. Attended a webinar on "Nanophosphors and their Luminescence Studies" organised by department of Physics, CIT, Gubbi on 19th November 2020.

13. Attended a five days faculty development programme on "Recent trends in material science" organised by department Chemistry, Sapthagiri college of Engineering, Bangalore from 02nd -06th November 2020.

14. Attended a **one week faculty development** programme on "Advances in the synthesis of Nanomaterials and their applications in the field of Science and Engineering" organised by department Chemistry, Adichunchanagiri Institute of Technology, Chikkamangaluru from 19th -23rd October 2020.

15. Attended a webinar on "Outcome Based Education and Accreditation Criteria" organised by department of Electronics and Instrumentation Engineering, Dr. AIT, Bengaluru on 10th October 2020.

16. Attended a webinar on "Nanomaterials for Photocatalytic water purification: Fundamentals and Applications" organized by ISTE, Saitgits chapter, depaerment of Chemistry, Saintgits college of Engineering, Kottayam, Kerala on 05.08.2020.

17. Attended a webinar on "Fuels from co processing of waste plastics" organized by New Horizon College of Engineering, Bangalore on 04.08.2020.

18. Attended National webinar on "Current Trends, opportunities and Future in Clinical Research" organized by Ramaiah College of Arts, Science and Commerce, Bengaluru in collaboration with CLINIASSURE on Aug 01, 2020.

19. Attended VTU-TEQIP 1.3 sponsored staff enrichment program on "Effective Management of Institutional E Waste" organized by the Department of Chemistry, GSSS Institute of Engineering & Technology for Women, Mysore on 30th July 2020.

20. Attended a in the International Webinar on "Multifunctional Applications of Nano Metal Oxides" organized by East West Institute of Technology, Bangalore on 29.07.2020.

21. Attended a webinar on "Theory and interpretation of IR spectra" organized by Don Bosco Institute of Technology, Bangalore on 28.07.2020.

22. Attended a webinar on "Nano-materials: The Materials with Multi-functional Potential" organized by Department of Physics, Sai vidhya Institute of technology, Bangalore on 27-07-2020.

23. Attended a webinar on "Third generation biofuel, Algae, Biodiesel- a potentialFuture fuel" organized by Department of Basic sciences, Shri Krishna Institute of technology, Bangalore on 24-07-2020

24. Attended a National webinar on "Metallic Corrosion and Graphene Based Anti-Corrosion Coating Materials" organized by Department of Chemistry, Vidyavardhaka College of Engineering, Mysuru on July 17th 2020.

25. Attended a webinar on "Nanotechnology and its Applications" conducted by Alwa's Institute of Engineering and Technology, Moodbidri on 16.07.2020.

26. Attended a technical webinar on "progress of nano materials and its applications in new technologies" conducted by AMC College of Engineering, Bangalore on 13.07.2020.

27. Attended a International Webinar on "Optical Nanostructures in nature" conducted by St. Joseph Engineering College, Mangalore on 08.07.2020.

28. Attended a five day workshop on "The role of advanced materials and nanotechnology in present scenario" conducted by Vemana Institute of Technology, Bangalore from 22nd June 2020 to 26th June

2020.

29. Attended a five day workshop on "Incorporating Universal Human Values in Technical Education" conducted by AICTE from 2nd May 2020 to 6th May 2020.

30. Attended one day workshop on "Process of NBA Accreditation" conducted by Dr. Ambedkar Institute of Technology at Bangalore on 4th Jan 2020.

2019

31. Attended two day national conference on "Recent Advances in Engineering, Technology and Sciences-2k19 (RAETS-2k19)", held during April 26th -27th 2019. Organized by the Shridevi Institute of Engineering and Technology, Tumkur.

32. Attended a two day workshop on "Process of NBA Accreditation" on 15th and 16th February 2019 at S.I.E.T, Tumkur.

33. Attended one day workshop on "New Approach to the Revised Assessment & Accreditation of NAAC" conducted by Global Academy of Technology at Bangalore on 4th Jan 2019.

2018

34. Attended one day national conference on "Higher Education: Challenges of Quality and Brand Building" conducted by Education Promotion Society for India (EPSI) at Bangalore on 24th November 2018.

35. Attended one day workshop on "Role of Chemistry in Higher Engineering Courses" conducted by Sambhram Institute of Technology, Bangalore on 20th January 2018.

2017

36. Attended one day lecture workshop on "Recent Advances in Interdisciplinary Research in Sciences" conducted by Shridevi Post graduation Centre, Tumkur on 18th April 2017.

2016

37. Attended three days workshop on "Polymer Nanocomposites" conducted by Siddaganga Insitute of technology, Tumkur on 24th to 26th October2016.

38. Attended National conference on "Recent Advances in industrial Engineering and Applied chemistry" on 21st and 22nd October 2016 at Sri Siddartha institute of Technology, Tumakuru.

39. Attended a **National Seminar** on 'Technovision 2035' on Saturday the 17th September 2016 at Bangalore.

40. Attended International conference on Science and Technology: future challenges and solutions (STFCS-2016), held during 8th August 2016 to 9th August 2016, organized by University of Mysore, Mysore.

41. Participated in Three weeks **In-house orientation programme** held at SIET Tumkur on 20th June 2016 to 12th July 2016.

42. Attended **National conference** on Emerging Trends in Engineering Sciences and management (NCESM-2016), held during March 23rd – 24th 2016. Organised by Shridevi Institute of Engineering and Technology, Tumkuru-572106.

43. Participated in Three weeks **In-house refresher course** held at SIET Tumkur on 04th January 2016 to 25th January 2016.

2014

44. Attended two days workshop on "Applications of Polymers in Automobile & Aerospace Industry" held at S.S.I.T, Tumkur on 3rd & 4th December 2014.

45. Attended "Faculty Development Workshop" held at Cambridge Institute of Technology, Bangalore on 20th November 2014.

2013

46. Attended International conference on "Emerging innovative Technologies for a sustainable world-2013(ICEIT-2013)"Held at S.I.E.T, Tumkur on 7th & 8th October-2013.

47. Workshop on "Number theory, Leniar algebra and its applications" held at S.I.E.T, Tumkur on 9th March-2013.

48. Workshop on "Recent Trends in Energy fuels and challenges in their Applications" Sree Siddaganga College of Arts, Science and Commerce for Women Tumkur on 3rd August - 2013.

2012

49. Workshop on "Recent trends in chemistry and Bio chemistry" held at S.S.I.T, Tumkur on 17th & 18th February 2012.

50. Workshop on "Nano Science and its applications" held at S.I.E.T Tumkur on 21stMay 2012.

51. Workshop on "Innovations in Nano Science and Nanotechnology" held at R.N.S.I.T Bangalore on 18th August 2012.
52. Workshop on "Research orientation program for research aspirants" held at Dr. A.I.T Bangalore on 25th August 2012.

2011

53. Workshop on "Recent Advances in chemistry and Material science" held at GCE, Ramanagaram on 2nd - 4th February 2011.

54. Workshop on "Computational Fluid Dynamics and its Applications" held at S.I.E.T, Tumkur on 17th September 2011.

2010

55. Workshop on "Applications of Numerical Methods in Engineering" held at S.I.E.T Tumkur on 6th March 2010.

56. Attended one day state level workshop on "Fine tuning of Engineering Chemistry syllabus Theory and Lab of I/II semester B.E/B.Tech.," held at HKE's SLN Engineering College, Raichur on 29th March 2010.

57. National workshop on "Advances in Material Research" held at Poorna Pragna Research Institute, Bangalore on 25th and 27th August 2010.

58. Workshop on "Recent Advances in Polymer science" held at S.I.E.T Tumkur on 31st August 2010.

59. Workshop on "Recent Scenario in SCAR (Stem cells, Cancer, AIDS and Raman spectroscopy)" held at S.I.E.T. Tumkur on 29th September 2010.

2009

60. Attended **International Conference** on "Current trends in Chemistry and Biochemistry", held during December 18th –19th 2009 at Bangalore organized by the Departments of Chemistry and Biochemistry, Bangalore University, Bangalore 560001.

61. Attended a state level conference on "Recent Advances in Environmental Science and Engineering" (RAESE), organized by the Department of Biotechnology S.I.E.T, Tumkur on 16th &17th October-2009.

2008

62. Attended one day Training program on "Internal Audit" as per ISO 9001:2000 International Standards for Quality Management Systems, conducted at S.I.E.T, Tumkur on 8th August 2008.

63. Attended two days national seminar in the 11th ISTE State Level Annual Convention and Two Days National seminar on "Quality and Excellence in Technical Education" held on 28th and 29th November 2008 at S.I.E.T, Tumkur.

2007

64. A workshop on "Applied chemistry and nanotechnology" held at Sri Siddhartha Institute of Technology, Tumkur on 14th and 15th February 2007.

65. Symposium on "Nanotechnology and smart materials" held on 29th September 2007 at PESIT Bangalore.

2006

66. Attended National Conference in Chemistry, held during Nov 2006 at Department of Chemistry, Bangalore University, Bangalore 560001.

67. Participated in the short term course on Instructional Design and delivery held at S.I.E.T Tumkur on 1st to 5th August2006.

68. State level one day workshop on "Revised syllabus in Engineering Chemistry Theory and Lab of I/II semester B.E/B.Tech., 2006-07" held at B. V. Bhoomaraddy college of Engineering and Technology, Hubli on 9th September 2006.

2005

69. A Workshop on "Application of Biotechnology for the Sustainable Environmental Pollution Management" Conducted at Sri Siddhartha Institute Of Technology, Tumkur from 23 to 24 th September 2005.

2004

70. A Workshop on "Student guidance and Counseling-Role of faculty" conducted at Visveswaraiah Technological University, Belagaum from 2nd to 4th August 2004.

71. A Short term Training program on "Electrochemical Energy Conversion and Storage" conducted at Dr. Ambedkar Institute of Technology, Bangalore from 23rd August to 27th August 2004.

72. A Short term Training program on "Recent Trends in Analytical Instrumentation (RTAI)" conducted at Bapuji Institute of Engineering and Technology, Davanagere from 30th August to 3rd September 2004.

2003

73. A Faculty development workshop on "An Orientation Programme for Biotechnology Teachers" conducted at Sir M. Visveswaraiah Institute of Technology. Bangalore held from 4th to 9th August 2003.

- **Books (Numbers and Description)=0**
- **Patents Published (Numbers and Description)=0**
- **KSCST Student Projects Funded /Funded project and consultancy (Numbers and Information)=02**
- **Awards/Recognition =04**

Awards: 1. "Adarsh Vidya Saraswati Rashtriya Puraskar" 17.03.2021. by Global management council, Ahmedabad.
2. "The Best Teacher2021" 17.03.2021 by Global management council, Ahmedabad.
3. "Research Excellence Award-2021" May 15, 2021 By Institute of Scholars, Bangalore.
4. "Best Chemistry Teacher Award"21.08.2019 by SIET. Tumakuru

- **Ph.D and Project sGuided details=04+06=10**

Sl. No.	Name of the student	Title of the work	College/ University	Year of registered
List of PhD Students.				
1.	Mahabaleshwara. K (1SV12PGN03) (20, Nov 2012- 22, Nov 2018)	"Screening of Anticancer agents from medicinal plants"	Visweswaraya Technological University	2012-13 **Awarded in 2019 (08.02.2020)**
2.	Vinay. S. P (1SV16PGJ02)	"Green Synthesis of Silver nanoparticles and study of their chemical and biological Properties"	Visweswaraya Technological University	2015-16 **Awarded in 2020 (29.06.2020)**
3.	Shaik Parvinnisa (5VX12PGN10)	"Studies on the viability and beneficial properties of probiotic, synbiotic and microencapsulated synbiotic"	Visweswaraya Technological University	2012-13 **Awarded in 2020 (29.04.2023)**
4.	H. Ramakrishna Reddy	"Development of new analytical methods for the separation of impurities in complex drug molecules".	Bharthiyar University	2013-14 **Awarded in 31.10.2022**
5.	Shruthi. K. S (1SV15PGJ01)	"Green Synthesis and characterizations of Gold nanoparticles and study of their biological activity "	Visweswaraya Technological University	2014-15 In progress
6.	Ajay Sharma	"Green synthesis of doped metal oxide Nanoparticles and study of their diverse application"	Visweswaraya Technological University	2021-22* In progress
List of Students UG Students completed Project work (VII Sem Biotechnology)				
1.	Nusrath Fathima (1SV13BT011)	"Production of electricity Using microbial Fuel cell from Rice straw".	VTU	2016-17

2.	Archana S B (1SV13BT004)		VTU	2016-17
3.	Rounak Pokharel (1SV13BT014)	"Production of Biodiesel from waste animal fat"	VTU	2016-17
4.	Nikhil Shivaji Phadatare (1SV09BT035)		VTU	2016-17
5.	Kavya (1SV14BT005)	"Green Synthesis and Characterization of Nickel nanoparticles and study of their biological activity"	VTU	2017-18
6.	Mumina (1SV14BT006)		VTU	2017-18

Achievements

- **Editorial Board Member=03**
- International Multidisciplinary Research Journal.
- Asian Journal of Applied Microbiology, Biotechnology and Envionmental Science.
- Bioscan

- **Nominated as**
- **Reviewer for=06**

Elsevier journal -Results in Physics
Journal of Cluster Science
Journal of Materials Science: Materials in Electronics
Journal of Pure and Applied Microbiology
Materials Science in Semiconductor Processing
Biotechnology Reports.

- **Invited Speaker for=08**
- Delivered a lecture on "Nanomaterials and their application" on 31-01-2023 at N.S.P.R GOVT Degree College , Hindupur, AP.
- Attended as Jury in "Worlds Pharmacist day Celebration" organized by Shridevi Pharmacy College, Tumkur on 26-09-2022.
- Delivered a guest lecture on "Green Chemistry for the synthesis of Active Pharmaceutical Ingredients (API)" at Shridevi college of Pharmacy, Tumakuru on 16.05.2022.
- Attended as Jury in National Science day Celebration Lecture Series on "Integrated Approach in Science and technology for Sustainable Future & Science Exhibition" organized by Sub Regional Science Center, Tumkur University, Tumkur on 16-03-2022.
- Delivered a lecture on "Solar Energy-Photovoltaic cells" on 11-05-2020 at Chenna Basaveswara Institute of Technology, Gubbi, Karnataka.
- Delivered a lecture on "Polymers" on 22-08-2016 at N.S.P.R GOVT Degree College (w), Hindupur, Andrapradesh.
- Delivered a lecture on "Polymers" on 01-09-2016 at P.S degree college, Penukonda, Andrapradesh.
- Chaired the Technical Session in the conference on "Recent Advances in industrial Engineering and Applied chemistry" on 21st and 22nd October 2016 at Sri Siddartha institute of Technology, Tumakuru.

- **Resource person for**
- **In-house resource person for <u>Universal Human Values and Design Thinking</u>**
- **Professional Membership=06**
- Member of ISTE(LM48118), India
- Member of Asian Journal of Applied Microbiology, Biotechnology and Environmental Science.
- Member of Journal the Bioscan.
- Member of International Society for Development and Sustainability (ISDS)
- Member of Institute of Scholars (InSc20210799)
- Member Glacier Journal of Scientific Research