

FACULTY PROFILE



Dr. V. Sugantha Kumari is an Assistant Professor, Department of Chemistry at Auxilium College, Vellore with more than 23 years of academic experience. She completed her B.Sc. at D.K.M. College, Vellore in the year 1998, and pursued her master degree at Muthurangam Government Arts College, Vellore in the year 2000 and she was a rank holder from the University of Madras. She earned her Ph.D. from Thiruvalluvar University, Vellore in the year 2012. She has executed as Principal Investigator for Government of India sponsored projects of UGC Minor Research Project and DST-SERB Fast Track Scheme for Young Scientist Major Project of Sanctioned Amount of 25.9 Lakhs. She has published more than 44 research papers in reputed peer reviewed journals with high impact factor including one book and two book chapters. 2 Ph.D. Students, received the Doctorates under her Supervision, 3 Ph.D. Students submitted the Thesis and currently guiding 1 Ph.D. Student. Her primary research interest targeted at 'biopolymer-nanocomposites', interdisciplinary approach reflects new approaches to synthesis and processing of materials at structured interfaces, enabling higher functionality structures and scaffold formation for tissue engineering. She is currently positioned as Dean of Research and IPR. She is the Coordinator of Auxilium Innovation and Incubation Centre. She has organized FDP, seminars and conferences funded by the UGC and TNSCST.

1. Name : Dr. V. Sugantha Kumari
2. Designation : Assistant Professor (Selection Grade) (SG)
3. Qualification : M.Sc., M.Phil., Ph.D.
4. Mobile number : 9894029585
5. E-mail id : suganthak@auxiliumcollege.edu.in, suganthaax@gmail.com
6. Teaching Experience : 23+ Years
7. Area of specialization : Nanobiopolymers, Bionanocomposites, Tissue Engineering, Drug Delivery

8. Positions Held in Auxilium

- IQAC Member - 2006
- Member, UG and PG Board of Studies
- Examination Committee Monitoring Member (2013-2015)
- Research Cell Member (2013-2016)
- Staff Secretary (2002-2005, 2014-2016)
- Member of IQAC/NAAC SSR Preparation (2016-2019)
- UGC NET-SLET Coordinator (2015-2018)
- Editorial Board member of CHRYSL Magazine (2017-2018, 2021-2022)
- Intellectual Property Rights (IPR) and Innovation Cell – Coordinator (2018- till date)
- Dean of Sciences (2017-2021)
- Students Welfare and Extracurricular Activities Committee Member (2017-2021)
- Student Grievance Redressal Committee Member (2017-2021)

- Anti Ragging Committee Member (2017-2021)
- Planning and Evaluation Committee member (2017-2021)
- Library advisory Committee member (2017-2021)
- Curriculum Development Cell (2017-2021)
- College Council Member (2017 to till date)
- Monitoring Committee member of DST-FIST in the College (2017-till date)
- Incharge of Department Book Bank (2019-2021)
- Incharge of Solid Waste Management
- Director/Dean of Research Studies (2021 to till date)
- Supervisor for M.Phil. and Ph.D. Research Scholars (2014 to till date)
- Department Research Committee Member
- Advisory Committee Member of Entrepreneur Cell (2023 - till date)
- Innovative Initiative Coordinator of the Department (2021 to till date)
- Auxilium Tamil Nadu Science Forum Coordinator (ACK-TNSF) (2023 to till date)
- Coordinator of Auxilium Innovation and Incubation Centre (2023 to till date)

9. Research Experience and Guidance : 13Years, Guided1 M.Phil student and 5 Ph.D., Scholars, Guiding 1 Ph.D. student.

S. No	Name	Title of the Thesis	Status (Awarded/ In Progress)
1.	R. Poonguzhali (Ph.D./038/2016)	Development, characterization and biomedical applications of chitosan/poly(vinylpyrrolidone) based nanocomposites	Awarded on 22 nd July 2019
2.	K. Kanimozhi (Ph.D./010/2015)	Design, Development and Characterization of Hybrid Porous Scaffolds for Biomedical Application	Awarded on 19 th August 2020
3.	T. Nalini (Ph.D./146/2016)	Formulation of polymeric nanoparticles to encapsulate phytoconstituent and evaluate its therapeutic effect	Thesis Submitted
4.	P. Narmatha Christy (Ph.D./2018/075/CHE)	Fabrication, Characterization and Biological Evaluation of Chitosan/PVA/Bioactive Glass based nanocomposite scaffolds for Bone Tissue Engineering Application	Thesis Submitted
5.	D. Switha (Ph.D./2018/216/CHE)	Fabrication, Physicochemical and Biological investigation of nanopolysaccharide reinforced Polyaniline-Polyvinyl Alcohol bionanocomposites for tissue engineering application	Thesis Submitted
6.	V. Shanmuga Priya (Ph.D./052/2017/CHE)	Development of Bionanocomposite based hybrid materials for water treatment	In Progress

10. Projects Completed / Ongoing : Two (1 Minor Project and 1 Major Project)

Sl. No	Title of the project	Name of the funding agency	Duration	Sanctioned Amount	Project No. & Date of Start and closure	Role as Principal Investigator (PI)/Co-Principal Investigator (Co-PI)	Status of the Project
1.	Preparation and Physicochemical evaluation of Chitosan/Polyvinyl alcohol/Methylcellulose ternary blend for wastewater treatment application	UGC-Minor Project	2 Years (2011- 2013)	1. 7 lakhs	MRP-3805/11(SERO-UGC) 08.09.2011 to 07.09.2013	Principal Investigator (PI)	Completed
2.	Fabrication and Properties of Chitosan based Hybrid Ternary Polymer Blends as scaffold systems in Tissue Engineering.	DST-SERB Fast Track scheme for Young Scientist DST Major Project	3 Years (2014 -2017)	25.98 lakhs	SB/FT/CS-144/2012 (MRP-DST-SERB) 28.02.2014 to 27.02.2017	Principal Investigator (PI)	Completed

11. No. of Papers Published: 44

12. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences : 5

13. No. of Seminars/Workshops/Conferences organized: 31

14. No. of Books Published/Edited/Co-edited: 01-Book Published / 2 Book Chapters

15. Membership in professional bodies (Descriptive):

- Life Time Member of Tamil Nadu Science Forum (TNSF)
- Nature Science Foundation (NSF)
- Member, UG Board of Studies in Chemistry, C. Abdul Hakeem College, Melvisharam, Arcot, 2023- 2026.
- Member, PG Board of Studies in Chemistry, Thiruvalluvar University, Vellore, 2023- 2025.

16. Other bodies (Descriptive):

- Rural Society for the Advancement of Chemistry (RUSAC)
- Doctoral Committee Member in VIT university, Thiruvalluvar University
- Editor in the Journal of SM biomedical engineering
- Reviewer in Journal of Alloys and Compounds

17. Honors & awards received (Descriptive) :

- University Rank Holder in M.Sc. Chemistry
- Sr. Ethelvina Distinguished Researcher Award for the year 2022-2023
- Appreciation Certificate for the Coordinator of IPR 2021-2022

18. Any Other (Descriptive) Invited Speaker/ Lectures/Resource Talks/ Judge/ Evaluator/other

- Lecture delivered on the topic “Stereochemistry of E₂ Elimination Reactions in Cyclohexane ring systems”, Muthurangam Govt. Arts College, Vellore, 19th January 2007.
- Organized Essay Competition on Ramachandra Mission for UG students at National level, 2013.
- Organized webinar on “Covid -19 Transmission, Host and Human” held on 23rd May 2020.
- Invited Speaker on the topic “Natural Biomaterials for Biomedical Application”, International Webinar on Biomaterials, Scifed Group & BioApp-2020, 22nd - 23rd June 2020.

- Invited Session on “Women as Entrepreneurs” to Management Students of Auxilium College, Vellore, 25th July 2020.
- Judge for the Interdepartmental Power Point Presentation on the topic “Endangered Species” Department of Zoology, Auxilium College, Vellore, 8th October 2020 and also served as judges for school exhibitions.
- Organized Young Innovators Day in the mark of National Science Day for UG, PG and Research Scholars in the year 2022 and 2023.
- Mobile Planetarium was exhibited for UG, PG and Research Scholars in the year 2023.
- Organized FDP, Seminars, Workshops, Conferences funded by, UGC, IIT Bombay, TNSCST, IPR Chennai & NIPAM Government of India, New Delhi.
- Attended Orientation courses, Refresher Courses, FDP, Seminars, Conferences and Webinars at National level and International level.
- Visit to after care home, blind school, involved in raising funds flood and drought relief along with the students and contribution to refugees.
- Evaluator for the State level congress 2023, 31st National Children’s Science Congress, coordinated by Tamil Nadu Science Forum on the focal theme Understanding Ecosystem for Health and Well-being, Auxilium College, Vellore, 21st October 2023,
- Evaluator for the State level congress 2023, 31st National Children’s Science Congress, coordinated by Tamil Nadu Science Forum, Sri Santha Vidyalaya Matriculation Higher Secondary School, Chetpet, Tiruvannamalai District, Vellore, 5th November 2023.
- Judge for the International Conference on the topic “Advances in Chemical and Biological Sciences” D.K.M.College, Vellore, 10th January, 2024.
- Judge for the Bioexcellence-3, State level Intercollegiate Competition on the topic” Celebrating Diversity in Nature “, PG & Research Department of Zoology, Auxilium College, Vellore, 31st January 2024.

PUBLICATIONS

External links:

- **Orcid id:** <https://orcid.org/0000-0001-6545-0318>
- **Google Scholar:** <https://scholar.google.co.in/citations?user=HVj0ueQAAAAJ&hl=en>

1. **Sugantha Kumari V.**, Sudha P.N, & Vinayagam, Synthesis, Spectroscopic Characterisation and Antibacterial activity of the Schiff base derived from N-(2-Carboxyphenyl) Benzylidenemine, The Eco Scan, ISSN 0974-0376, 2009, Volume 2, pp 169-176.
2. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Bioremediation of dyeing industry effluent using modified carbon, International Journal of Applied Bio Engineering, 2010, Volume 4, pp 34-39.
3. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Fabrication and antibacterial evaluation of Chitosan/Poly (vinyl Alcohol)/Methylcellulose ternary blend film, Journal of Pharmacy Research, ISSN 2840-2841, 2011, Volume 4, pp 0974- 6943.
4. **Sugantha Kumari V** and Khaleel Basha S, *In vitro* antidiabetic activity of Psidium guajava leaves extracts, Asian Pacific Journal of Tropical Disease, ISSN 1995-7645, 2012, pp 98-100.
5. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Physicochemical and Morphological evaluation of chitosan/poly (vinyl alcohol)/methyl cellulose chemically crosslinked ternary blends, Polymer Bulletin, ISSN 0170-0839, 2012, Volume 68, pp 1387-1393.
6. **Sugantha Kumari V.**, Khaleel Basha S and Sudha P.N, Performance of crosslinked chitosan-based hybrid ternary blend for separation of cadmium, International Journal of Current Research, ISSN 0975-833X, 2013, Volume 5, pp 2196-2201.
7. **Sugantha Kumari V** and Khaleel Basha S, *In vitro* α -glucosidase and α -amylase inhibitory activity of Psidium guajava extracts, Journal of Pharmacy Research, ISSN 0974- 6943, 2014, Volume 8(3), pp 349-351.
8. **Sugantha Kumari V**, Sivagaami Sundari G and Khaleel Basha S, Facile Synthesis of Gold Nanoparticles with great catalytic activity using Ulva Fasciata, Letters in Applied Nano Bioscience, ISSN 2284-6808, 2014, Volume 3, pp 124-129.

9. **Sugantha Kumari V**, Vijayalakshmi V, Khaleel Basha S, Ammonia sensor and antibacterial activities of green zinc oxide nanoparticle, *Sensing and Bio-Sensing Research*, ISSN 2214-1804, 2016, Volume 10, pp 34-40.
10. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Fabrication of chitosan based hybrid porous scaffolds by salt leaching for soft tissue engineering *Surfaces and Interfaces*, ISSN 2468-0230, 2016, Volume 1-3, pp 7-12.
11. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Processing and characterization of chitosan/PVA and methylcellulose porous scaffolds for tissue engineering *Materials Science and Engineering C*, ISSN 2772-9516, 2016, Volume 6, pp 484-491.
12. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Novel Nanosystems for Herbal Drug Delivery, *World Journal of Pharmacy and Pharmaceutical sciences*, ISSN 2278-4357, 2017, Volume 6, pp 1505-1513.
13. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Synthesis and characterization of chitosan/poly(vinylpyrrolidone) biocomposite for biomedical applications, *Polymer Bulletin*, ISSN 0170-0839, 2017, Volume 74, pp 2185–2201.
14. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Synthesis of alginate/nanocellulose bionanocomposite for *in vitro* delivery of ampicillin, *Polymer Bulletin*, ISSN 0170-0839, 2017, Volume 75, pp 4165–4173.
15. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Synthesis and characterization of Chitosan–PVP–nanocellulose composites for *In-vitro* Wound dressing application, *International Journal of Biological macromolecules*, ISSN 0141-8130, 2017, Volume 105, pp 111-120.
16. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Nano starch reinforced with Chitosan/Poly (vinyl pyrrolidone) Blend for *In vitro* wound healing application, *Polymer-Plastics technology and engineering*, ISSN 2574-0881 / 2574-089X, Volume 57, 2018, pp 1400-1410.
17. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Development of Biomimetic Hybrid Porous Scaffold of Chitosan/Polyvinyl Alcohol/Carboxymethyl Cellulose by Freeze-Dried and Salt Leached Technique, *Journal of Nanoscience and Nanotechnology*, ISSN 1533-4880, 2018, Volume 18, pp 4916-492.

18. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Maaza M, *In vitro* cytocompatibility of chitosan/PVA/methylcellulose–Nanocellulose nanocomposites scaffolds using L929 fibroblast cells, *Applied Surface Science*, ISSN 0169-4332, 2018, Volume 499, pp 574-583.
19. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Novel asymmetric chitosan/PVP/nanocellulose wound dressing: *In vitro and in vivo* evaluation, *International Journal of Biological Macromolecules*, ISSN 0141-8130, 2018 Volume 112, pp 1300-1309.
20. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Development and characterisation of sodium Alginate/Poly(vinyl alcohol) Blend scaffold with ciproflaxcin loaded in controlled drug delivery system. *Nanoscience and Nanotechnology*, ISSN 1533-4880, 2018, Volume 19, pp 2493-2500 (8).
21. **Sugantha Kumari V**, Poonguzhali R, Khaleel Basha S, Fabrication of asymmetric nanostarch reinforced Chitosan/PVP membrane and its evaluation as an antibacterial patch for *in vivo* wound healing application, *International Journal of Biological Macromolecules*, ISSN 0141-8130, 2018, Volume 114, pp 204-213.
22. **Sugantha Kumari V**, Kanimozhi K, Khaleel Basha S, Kaviyarasu K, Salt leaching synthesis, characterization and *In vitro* cytocompatibility of chitosan/PVA/methylcellulose–ZnO nanocomposites scaffolds using L929 fibroblast cells, *Journal of Nanoscience and Nanotechnology*, ISSN 1533-4880, 2019, Volume 19, pp 4447-4457(11).
23. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Majeeth Mohamed Sadiq A, Kaviyarasu K, Development and characterization of alginate / chitosan nanoparticulate system for hydrophobic drug encapsulation, *Journal of Drug Delivery Science and Technology*, ISSN 2588-8943, 2019, Volume 52, pp 65-72.
24. **Sugantha Kumari V**, Shanmugapriya V, Khaleel Basha S, Facile Synthesis of Graphene Via Chemical and Biological Methods- A Review, *International Journal of Pharmacy and Biological Sciences*, ISSN 2321-3272, 2019, Volume 9, pp 336-359.

25. **Sugantha Kumari V**, Narmatha Christy P, Khaleel Basha S, *et al.*, Biopolymeric nanocomposite scaffolds for bone tissue engineering applications – A review, *Journal of Drug Delivery Science and Technology*, ISSN 2588-8943, 2020, Volume 55, pp 101452.
26. Khaleel Basha S, **Sugantha Kumari V**, Syed Muzambil M, Dhandayuthabani R, Kaviyarasu K, Nanoemulsion as Oral Drug Delivery-A Review, *Current Drug Research Reviews*, ISSN 2589-9775, 2020, Volume 12, pp 4-15.
27. Khaleel Basha S, **Sugantha Kumari V**, Syed Muzambil M, Dhandayuthabani R, Polysaccharides as excipient in drug delivery system, *Materials today: Proceedings*, ISSN 2214-7853, 2021, Volume 36, pp 280-289.
28. Khaleel Basha S, **Sugantha Kumari V**, Syed Muzambil M, Dhandayuthabani R, Development of nanoemulsion of Alginate/Aloe vera for oral delivery of insulin, *Materials today: Proceedings*, ISSN 2214-7853, 2021, Volume 36, pp 357-363.
29. Khaleel Basha S, **Sugantha Kumari V**, Dhandayuthabani R, Syed Muzambil M, Solid lipid nanoparticles for oral drug delivery, *Materials today: Proceedings*, ISSN 2214-7853, 2021, Volume 36, pp 313-324.
30. **Sugantha Kumari V**, Narmatha Christy P, Khaleel Basha S, Nano zinc oxide and nano bioactive glass reinforced chitosan/poly (vinyl alcohol) scaffolds for bone tissue engineering application, *Materials Today Communications*, ISSN 2352-4928, 2022, Volume 31, pp 103429.
31. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Mohamed Sadiq A, Fabrication and evaluation of nanoencapsulated quercetin for wound healing application, *Polymer Bulletin*, ISSN 0170-0839, 2022, Volume 80, pp 515–540.
32. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Mohamed Sadiq A, Assessment of acute oral toxicity of quercetin loaded alginate/chitosan nanoparticles: *in vivo* study, *Polymer Bulletin*, ISSN 0170-0839, 2022, Volume 80, pp 10921–10937.
33. **Sugantha Kumari V**, Nalini T, Khaleel Basha S, Mohamed Sadiq A, Pectin/chitosan nanoparticle beads as potential carriers for quercetin release, *Materials Today Communications*, ISSN 2352-4928, 2022, Volume 33, pp 104172.

34. **Sugantha Kumari V**, Nalini T, Khaleel Basha S and Mohamed Sadiq A, In vitro cytocompatibility assessment and antibacterial effects of quercetin encapsulated alginate/chitosan nanoparticle, *International Journal of Biological Macromolecules*, ISSN 0141-8130, 2022, Volume 219, pp 304-311.
35. **Sugantha Kumari V**, Narmatha Christy P, and Khaleel Basha S, Multifunctional organic and inorganic hybrid bionanocomposite of chitosan/poly (vinyl alcohol)/nanobioactive glass/nanocellulose for bone tissue engineering, *Journal of the mechanical behaviour of biomedical materials*, ISSN 1751-6161, 2022, Volume 135, pp 105427.
36. **Sugantha Kumari V**, Switha D, Khaleel Basha S, Biopolymeric Nanocomposite Scaffolds for Nerve Tissue Engineering Applications: A review, *Journal of Applied Chemical Science International*, ISSN: 2395-3713 (O), 2022, Volume 55, pp 101452.
37. **Sugantha Kumari V**, Switha D, Khaleel Basha S, A novel, biocompatible nanostarch incorporated Polyaniline-Polyvinyl alcohol-Nanostarch hybrid scaffold for tissue engineering applications, *European Polymer Journal*, ISSN 0014-3057, 2022, Volume 178, pp 111448.
38. **Sugantha Kumari V**, Switha D, Khaleel Basha S, Fabrication of conductive hybrid scaffold based on polyaniline/polyvinyl alcohol-chitosan nanoparticles for skin tissue engineering application, *Polymer Bulletin*, ISSN 0170-0839, 2022, Volume 80, pp 11439–11467.
39. **Sugantha Kumari V**, Switha D, Khaleel Basha S, *In vitro* cytocompatibility evaluation of nanostarch reinforced polyaniline-polyvinyl alcohol conductive bionanocomposites for skin tissue engineering application, *J. Umm Al-Qura Univ. Appl. Sci*, ISSN 1658-8185, 2023, Volume 9, pp 252-259.
40. **Sugantha Kumari V**, Switha D, Khaleel Basha S, *In Vitro* Study of Biocompatible Hybrid Scaffold of Polyvinyl Alcohol–Polyaniline–Nanocellulose for Tissue Engineering Applications, *Chemistry Africa*, ISSN 2522-5758, 2022, Volume 4, pp 2087–2100.

41. **Sugantha Kumari V**, Shanmuga Priya V, Khaleel Basha S, Kinetics and adsorption performance of biosorbent starch/poly (vinyl alcohol)/graphene oxide nanocomposite for the removal of dyes, J. Umm Al-Qura Univ. Appl. Sci, ISSN 1658-8185, 2023, Volume 9, pp 529-547.
42. **Sugantha Kumari V**, Shanmuga Priya V, Khaleel Basha S, Sustainable removal of hexavalent chromium using graphene oxide - Iron oxide reinforced pectin/polyvinyl alcohol magnetic gel beads, International Journal of Biological Macromolecules, 257 2024, 128542.
43. Syed Muzambil M, Dhandayuthabani R, **Sugantha Kumari V**, Khaleel Basha S, Development of pH sensitive nanopectin/insulin based nanoemulsion for oral insulin drug delivery, YMER, ISSN: 0044-042024, 2024, VOLUME 23, pp176.
44. Syed Muzambil M, Dhandayuthabani R, **Sugantha Kumari V**, Khaleel Basha S, Probing insulin bioactivity in oral nanoemulsion produced by emulsification assisted electrostatic self assembly cross linking method, YMER, ISSN: 0044-042024, 2024, Volume 23, pp176

BOOK PUBLISHED:

1. **V. Sugantha Kumari**, S. Khaleel Basha, Smart Polysaccharide nanosystems as scaffolds for tissue engineering applications, Lambert Academia Publishing Germany, 2016, ISBN:978-3-659-97851-7.

BOOK CHAPTERS PUBLISHED:

1. K. Kanimozhi, **V. Sugantha Kumari**, S. Khaleel Basha and K. Kaviyarasu, *In vitro* degradation behaviour of chitosan-based blends by ATR-FTIR for tissue engineering scaffolds: an indirect bioactivity assay, Book Chapter in Nano materials for Energy conversion, Biomedical and Environmental Applications, Springer, 2022, ISBN 978-981-19-2639-6.

2. K. Kanimozhi, **V. Sugantha Kumari**, S. Khaleel Basha and K. Kaviyarasu, *In vitro* studies of chitosan/PVA/Methylcellulose-silver nanocomposites scaffolds using L929 fibroblast cells, Book Chapter in Nano materials for Energy conversion, Biomedical and Environmental Applications, Springer, 2022, ISBN 978-981-19-2639-6.

ORIENTATION/REFRESHER/FACULTY DEVELOPMENT PROGRAMMES/OTHER COURSES ATTENDED

1. Orientation Programme, UGC-HRDC, University of Madras, Chennai, 02nd November 2016 to 29th November 2016, obtained 'A' grade.
2. Refresher Course, UGC-HRDC, Sri Venkateswara University, Tirupati, 12th February 2018 to 03rd March 2018, obtained 'A' grade.
3. FDP on 'Young Supervisor on Plagiarism – Free Research Report Writing', Thiruvalluvar University, Vellore, 8th February, 2020.
4. International FDP on "Evolving Best Teaching and Learning Practices in the Pandemic Era 2020", IQAC, Auxilium College, Vellore, 15th to 21st June 2020.
5. One week Online National "Faculty Enrichment Programme", Department of Chemistry, D.K.M. College for Women, Vellore, Tamil Nadu in association with Spoken Tutorial Project, IIT Bombay, MHRD, Govt. of India 4th to 10th May 2020.
6. National Level Intercollegiate Online FDP on Outcome Based Education, IQAC, Auxilium College (Autonomous), Vellore in association with IPSR solutions limited from 22nd November to 27th November, 2021.
7. Refresher Course (Online), UGC-HRDC, Kumaun University, Nainital, Uttarakhand, 15th February to 28th February 2021 obtained 'A' grade.
8. Refresher Course (Online) (FDP), Ramanujan College, University of Delhi, 15th July 2021 to 29th July 2021, obtained 'A' grade.
9. Refresher Course (Online), Pondicherry University, Pondicherry, 01st June 2022 to 14th June 2022, obtained 'A' grade.
10. In Service Teacher Training Programme in Physical Sciences, Muthurangam Govt. Arts College Vellore, 05th May 2022 to 06th May 2022.
11. Refresher Course (Online), UGC-HRDC, Kumaun University, Nainital, Uttarakhand, 8th July 2023 to 21st July 2023, obtained 'A+' grade.

FDP'S/ SEMINARS/ WORKSHOPS/WEBINARS ORGANIZED

1. National Seminar on “Current Trends in Material Science” Department of Chemistry, Auxilium College, Vellore, 5th and 6th February 2003.
2. International Conference on “Recent Advancements in Chemistry” Department of Chemistry, Auxilium College, Vellore, 5th and 6th Jan 2006.
3. National Seminar on “New Frontiers in Chemistry”, Department of Chemistry, Auxilium College, Vellore, 8th and 9th January 2009.
4. State Level RUSAC Seminar on “Save the earth”, Department of Chemistry, Auxilium College, Vellore, 28th August 2010.
5. National Seminar on “Enhancement of Quality in Research Publications and Recent Research in Water, Alternative Energy Resources, Materials and Health, “CURIE 11”, Auxilium College Research Cell & Department of Chemistry, Vellore, 15th & 16th December 2011.
6. Workshop on ‘Microscale experiments in Chemistry’, RUSAC & PG and Research Department of Chemistry, Auxilium College, Vellore, 15th September 2012.
7. National Conference on “Recent Advances in Nanosciences (RANSS)”, Department of Chemistry, Auxilium College, Vellore, 21st and 22nd November 2014.
8. Video Conference on the topic “Climate Change” by Dr Roger Dargaville, Deputy Director, Melbourne, Australia, Energy Institute, School of Earth Sciences, The University of Melbourne conducted by the Research Cell at Auxilium College, 21st August 2015.
9. Workshop on “Research Proposal Design”, Auxilium College Research Cell, Auxilium College, Vellore, 28th October 2015.
10. National Conference on Science Academies, Lecture workshop on “Environmental Biotechnology Vellore, Auxilium Research Cell, Auxilium College, February 4th and 5th 2016.
11. State level Workshop on “Enhancing Quality in Higher Educational Institutions through Innovations and Best Practices”, IQAC Auxilium College, 6th April 2016.

12. National Seminar on “Recent Research in Chemical Sciences”, Department of Chemistry, Auxilium College, 1st January 2018.
13. National Seminar on “Advances in Materials Chemistry (AMC’19)”, Department of Chemistry, Auxilium College, 6th December 2019.
14. Two-day State Level Workshop on “Intellectual Property Rights”, Tamil Nadu State Council for Science and Technology, Chennai and the Research Cell, Auxilium College, Vellore, 2nd and 3rd August 2019.
15. National level virtual seminar on “Own Your Future through the Journey of Entrepreneurship”, in collaboration with The Intellectual Property Facilitation Centre for MSMEs at ni-msme, Hyderabad & Intellectual Property Rights Cell and Auxilium Business Incubation Centre of Auxilium College, 27th May to 29th May 2020.
16. A Five-Day Online Faculty Development Programme on “Advanced Materials and their Applications”, PG & Research Department of Chemistry, Auxilium College, Vellore, 2nd June to 6th June 2020.
17. A Seven Day FDP on “Moodle Learning Management System” PG & Research Department of Chemistry Auxilium College, Vellore, 8th June to 14th June 2020.
18. International Webinar on “Materials Chemistry for Environmental Sustainability”, PG & Research Department of Chemistry Auxilium College, Vellore, 18th October & 19th October 2021.
19. Orientation Programme on “Innovate to Venture”, Research and Publication Committee & Centre for Innovation and Business Incubation of Auxilium College, Vellore, 1st December 2021 & 2nd December 2021.
20. Orientation Programme on “Tamizhil Aaivugal” Research and Publication Committee & Centre for Innovation and Business Incubation of Auxilium College, Vellore, 6th December 2021.
21. Orientation Programme on “Awareness on Intellectual Property Rights”, jointly organized by TNSCST, IQAC, Research and Publication Committee & Centre for Innovation and Business Incubation of Auxilium College, 25th January 2022.
22. “Auxilium Young Innovators Day” Research and Publication Committee & Centre for Innovation and Business Incubation of Auxilium College, Vellore, 23rd March 2022.

23. “State Level Intercollegiate Paper Presentation”, The Committee for Research Ethics, Publication & IPR, Auxilium College, 20th October 2022.
24. National Seminar “Innovations in Chemistry for Environmental Sustainability” (ICES’23), Department of Chemistry, Auxilium College, Vellore, 3rd February 2023.
25. “Awareness on Intellectual Property Rights”, Committee for Research Ethics, Publication & IPR, Auxilium College, 20th February 2023.
26. “Auxilium Young Innovators’ Day” in the mark of National Science Day, TNSF and Committee for Research Ethics, Publication & IPR, Auxilium College, 28th February 2023.
27. “Awareness on Intellectual Property Rights”, Committee for Research Ethics, Publication & IPR, Auxilium College in collaboration with National Intellectual Property Awareness Mission, (NIPAM), New Delhi and IPR Chennai, 16th September 2023.
28. National Webinar on “Publish and Progress”, IQAC and Committee for Research Ethics, Publication & IPR, Auxilium College, Vellore, 26th August 2023.
29. Hands on Training on DST-FIST funded Instruments, Research Cell in association with PG & Research Department of Chemistry, Auxilium College, Vellore, 10th February, 2024.
30. State Level Workshop -Hands on Training on MATLAB (DST-FIST Funded) and AI Tools, Research Cell in association with PG & Research Department of Mathematics and PG & Research Department of Computer Science, Auxilium College, Vellore, 12th February 2024.
31. National Level Ignition Fiesta on “Youth Environmental Stewardship” (YES), Xavier Board of Higher Education in India, in association with Auxilium Innovation and Incubation Centre, and Research Cell, Auxilium College, Vellore, 22nd February & 23rd February 2024.

FDP'S/ SEMINARS/ WORKSHOPS/WEBINARS PARTICIPATED

1. National Seminar on “Current Trends in Material Science”, Department of Chemistry, Auxilium College, Vellore, 5th and 6th February 2003.
2. State Level Seminar on “Bio Sciences”, Department of Chemistry, C. Abdul Hakeem College, Melvisharam, 5th Jan 2005.
3. National Level Seminar on “Recent Trends in Analytical Instrumentation” Short term training programme, S.R.M. Engineering College, Kattankulathur, 1st and 2nd April 2005.
4. International Conference on “Recent Advancements in Chemistry”, Department of Chemistry, Auxilium College, Vellore, 5th and 6th Jan 2006.
5. National Level One day “Workshop on Instrumentation in Physics”, VITPA (Vellore Institute of Technology Physics Association) School of Science & Humanities, VIT, Vellore, 7th Jan 2006.
6. National Seminar on “Innovative Strategies for Internal Quality Assessment”, IQAC, Auxilium College, Vellore, 24th and 25th 2006.
7. RUSAC State level “Intercollegiate lecture for P.G. Seminar on Various topics”, Department of Chemistry, M.G.A.C., Vellore, 19th January 2007.
8. National Seminar, “Redefining Human Rights towards a New Socio Religious Interface”, IQAC, Auxilium College, Vellore, 12th and 13th December 2007.
9. International Conference on “Frontiers in Chemical Sciences”, Department of Chemistry, Madras Christian College, Tambaram, Chennai, 2nd and 4th October 2008.
10. National Seminar on “New Frontiers in Chemistry”, Department of Chemistry, Auxilium College, Vellore, 8th and 9th January 2009.
11. 6th National Symposium and Conference on “Solid State Chemistry and Allied Areas” at VIT university, Vellore -National- 19th - 21st November 2009.

12. Women's Day 2010 Programme, Academic Staff College, VIT University, Vellore – National -8th March 2010.
13. National Conference on “Application of Analytical Tools in Chemical and Biological Sciences”, Department of Chemistry, D.K.M. College, Vellore - National - 8th January 2011.
14. 2nd Annual meeting of Indian Society for chitin and chitosan and conference on “Chemistry and Biology of Chitin and Chitosan” Department of Plant Sciences, School of Life Sciences, University of Hyderabad, 5th December 2011.
15. International Conference on “Climate Change, Forest Resource and Environment”, University of Kerala, Thiruvananthapuram, Kerala, 9th-11th December 2011.
16. National Seminar on “Enhancement of Quality in Research Publications and Recent Research in water, alternative energy resources, Materials and Health, “CURIE 11”, Auxilium College Research Cell, Vellore, 15th& 16th December 2011.
17. National seminar on ‘Recent advances in spectroscopy’, Department of Physics, Auxilium College, Vellore, 14th September, 2012.
18. “Workshop on Radio Chemistry”, RUSAC and PG and Research Department of Chemistry Government Arts College, Government Arts College, Tiruvannamalai, 31st Jan and 1st Feb 2014.
19. State level Inter -Collegiate Students’ Meet CHEM FULLER -60, Department of Chemistry, Auxilium College, 10th February 2014.
20. State level Workshop on “Enhancing Quality in Higher Educational Institutions through Innovations and Best Practices”, - conducted by the IQAC Auxilium College, 6th April 2016.
21. National Symposium on Chemistry for Engineers -conducted by School of Advanced Sciences, VIT University, Vellore, 9th April, 2016.
22. UGC – NAAC sponsored National conference on “Journey towards Excellence”, IQAC, Auxilium College, Auxilium College, 9th -11th February 2017.
23. National Seminar on “Awareness on Intellectual Property Rights”, IQAC Vellore District and Patent Information Centre TNSCST, Chennai, Don Bosco College, Yelagiri Hills, 11th& 12th March 2019.

24. International webinar on " Advanced functional materials for biomedical and energy", Department of Chemistry, Loyola College, Chennai, 24th and 25th June 2020.
25. Webinar entitled "Molecular Visualisation Series on Learning Chemistry through ODYSSEY & SPARTAN Software, Department of Chemistry, Janta Vedic College, Baraut in collaboration with Wavefunction Inc., USA and Neotels Systems and Services, 9th May 2020.
26. International Webinar on "Recent Trends in Chemistry", Department of Chemistry, Arignar Anna Government Arts College for Women, Walajapet , Tamil Nadu, 22nd and 23rd June 2020.
27. Webinar on "Iron Based MRI Contrast Agents", PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Jamal Mohamed College, Tiruchirappalli, 17th July 2021.
28. Science Festival under the theme of "Intellectual Property Rights", Tamil Nadu State Council for Science and Technology, Chennai, 4th August 2022.