

RESUME

Name: J.SURESHKUMAR

Employee ID: A5BSH00T51

Designation: Asst.Professor

Department: BS&H

Date of birth: 07-07-1987

Father name: Lakshmanarao Jaka

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www.sureshchem.weebly.com

Date of Joining in the institution: 23-09-2010

Academic excellence:

TOTAL YEARS OF EXPERIENCE: 14 YEARS

PERIOD		ORGANISATION/INSTITUTION	DESIGNATION
19-10-2009	22-09-2010	St.Theressa Institute of Technology and Management, Garividi, Vzm	Asst.Professor
23-09-2010	TILL DATE	Aditya Institute of Technology and Management (An Autonomous Institution), Tekkali	Asst.Professor

QUALIFICATION	BOARD/UNIVERSITY	DIVISION	YEAR
M.Sc	ANDHRA UNIVERSITY, Visakhapatnam, A.P.	FIRST CLASS WITH DISTINCTION	2009
B.Sc	ANDHRA UNIVERSITY, Visakhapatnam, A.P.	FIRST CLASS	2007

AREAS OF INTEREST:

1. Chemical kinetics
2. Nanotechnology and applications
3. Design thinking and Innovation
4. Nuclear chemistry
5. Fuels and technology
6. Corrosion
7. Green chemistry



Research papers published:

- 1.M. BALAKRISHNA, R. NEERAJA, J. SURESH KUMAR, M.RAMANAIAH, "An Electrometric Method for the determination of impact of DMSO-Water mixtures on pKa values of salicylic acid acid derivatives" Volume 15, Issue 6, pages 309-314, ISSN 0975-7058, Nov-Dec, 2023. International Journal of AppliedPharmaceutics(IJAP).
2. M. Jayanthi Rao, P. Prasanthi, P. Suresh Patnaik, M. Divya, J. Sureshkumar and **M. Ramanaiah** "Forecasting Systems for Heart Disease Using Advanced Machine Learning Algorithms" volume 11, Issue 5, pages 1257-1268, International Journal for Food and Nutrition sciences, November 2022.
3. Sandeep Battula, Aleti Krishna Chandra Mouli, Suresh Jaka "Design of compact Aerosol ParticleSensor by Integrated Spectropolarimeter using III-V –on Silicon Photonic Integrated circuits" volume 5, Issue 2, ISSN 2394-3386. International Journal of Engineering Technology Science And Research (IJETSR), February 2018
4. J.sureshkumar(1), s.v.marutiprasad(2) 2014"experimental study on performance characteristics of c.i. engine fueled with biodiesel and its blends diethyl ether", Volume No: 1(2014), Issue No: 8 (August) ISSN No: 2348-4845, international journal & magazine of engineering, technology, management and research, august 2014

Details of Workshops/Conferences/Seminars organized:

1. Organized a One-week AICTE Short Term Course on "2D Nanomaterials: Potential Applications through ICT" as a Local coordinator collaboration with NITTR CHANDIGARH during 17-10-2022 to 21-10-2022 at AITAM, Tekkali.
2. Organized a One-week AICTE Short Term Course on "Essential Industrial Chemistry for Engineers" as a Local coordinator collaboration with NITTR CHANDIGARH during 05-09-2022 to 09-09-2022 at AITAM, Tekkali.

DETAILS OF CONFERENCES/WORKSHOPS/REFRESHER COURSES ATTENDED:

1. Participated in a One-Week IP UTSAV organized virtually by AICTE and MOE Innovation cell (MIC) from 21-04-2025 to 26-04-2025.
2. Participated in a One-Week National Faculty Development Program on "Enhancing Research & Innovation Funding" Organized by IIEC VIT-AP during 07-11, April, 2025.
3. Participated in a One-week AICTE Short Term Course on "Enhancing Research Capabilities for Academic Career Progression" conducted by Entrepreneurship Development and Industrial Coordination Department in collaboration with NITTR CHANDIGARH during 17-03-2025 to 21-03-2025 at AITAM, Tekkali.
4. Participated in a One-week AICTE Short Term Course on "Developing Health Work Culture at Work Place" in collaboration with NITTR CHANDIGARH during 02-12-2024 to 06-12-2024 at AITAM, Tekkali.
5. Presented a Research article on "Nanomaterials for Energy, Catalysis and Environment" in 3Days National Conference at Department of Chemistry, Visakhapatnam during 5-7, Dec, 2024
6. Participated in a One-week AICTE Short Term Course on "Managing Infrastructures in Urban Areas" in collaboration with NITTR CHANDIGARH during 25-11-2024 to 29-11-2024 at AITAM, Tekkali.
7. Participated in a One-week AICTE Short Term Course on "Nanomaterials, Characterizations and Applications" in collaboration with NITTR CHANDIGARH during 29-07-2024 to 02-08-2024 at AITAM, Tekkali.
8. Participated in G20 Safe Online Campaign Quiz on "Secure Social Media Practices" organized under G20 presidency MeITY, Govt of India during 20th March 2023 to 30th April, 2023.
9. Successfully Participated in a One-week FDP on "Engineering Materials & Catalysis" during 26th- 30th Dec 2022 by Department of BSH, GMRIT, Rajam.
10. Presented a research paper titled "Visible light photocatalytic activity of cobalt-ZrO₂ nano particle prepared via combustion synthesis for degradation of aqueous pollutants" in the "International Conference on Emerging Materials For Technology and Applications"(ICEMTA-2022) organized by department of physics, Vignan

- Institute of Information technology(A), Duvvada, visakhapatnam collaboration with MGU-Kerala, AITAM, Tekkali, Government Science college, Karnataka.
11. Participated in a One-week AICTE Short Term Course on “2D Nanomaterials: Potential Applications through ICT” in collaboration with NITTR CHANDIGARH during 17-10-2022 to 21-10-2022 at AITAM, Tekkali.
 12. Participated in One Week FDP on “LEVEL UP LANGUAGES SKILLS FOR PROFESSIONAL DEVELOPMENT” organized by Department of BSH(English) from 19-23, Sep 2022
 13. Participated in a One-week AICTE Short Term Course on “Essential Industrial Chemistry forEngineers” in collaboration with NITTR CHANDIGARH during 05-09-2022 to 09-09-2022 at AITAM, Tekkali.
 14. Participated in a one week online collaborative Faculty development program on “Role of Basic Sciences in Emerging Technologies (RBSET -2022) ” organized jointly by NIT Mizoram and GMRIT , Rajam, Andhra Pradesh from 9th – 14th march , 2022.
 15. Participated in One day workshop on eve of National Science Day “Statistics as Science and Technology in Research Methods” organized by BS & H department, AITAM, Tekkali.
 16. Successfully completed one week online training programme through ICT mode on “Laboratory Experimentation In Engineering Chemistry” organized by National Institute Of Technical Teachers Training And Research (NITTR) KOLKATA (Established By The Ministry Of Education Government Of India)
 17. Successfully underwent Innovation Ambassador training (Advanced Level , Total 16 sessions of 30 contact hours) conducted by MOE’s Innovation cell & AICTE during the period from 30th june – 30th july 2021 in online mode.
 18. Participated in the One-Week Online Faculty Development Program on “Nanomaterials- Technologies for Energy & Sensor Applications”, (7th to 11th, June 2021)organized by Chemistry Division, Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh, India.
 19. Participated and successfully completed AICTE and learning academy (ATAL) online FDP on “online teaching and learning technologies” from 4-1-2021 to 8-01-2021 at Motilal Nehru NationalInstitute of Technology, Allahabad.
 20. Participated and successfully completed AICTE and learning academy (ATAL) online FDP on “OECD principle of Good Laboratory Practices” from 22-9-2020 to 26-09-202 at SSR college of Pharmacy.
 21. Participated and successfully completed AICTE and learning academy (ATAL) online FDP on “Blended learning and flipped classroom” from 24-08-2020 to 28-08-2020 at JIS college of engineering.
 22. Participated in a one-week international FDP on “latest trends in engineering science and technology: nanomaterials' ' organized by department of chemistry, Lendi Institute of technology and management, Visakhapatnam.
 23. Participated in the three day International Virtual conference entitled “IMPACT OF CHEMICAL DISASTERS ON BIOTA” organized by Andhra University, Visakhapatnam and Andhra Pradesh Akademi of Sciences. (24th -26th july 2020)
 24. Participated in the 4-Day Online FDP on “**Advances in Energy Materials for Storage Systems**” organized by Chemistry Division of Department of Basic Science and Humanities, GMR Institute of Technology, Rajam during 23rd - 26th June, 2020
 25. Attended an Online Faculty Development Program on “**Advanced Materials for Energy Harvesting, Conversion and Storage**” organized by Department of Science and Humanities, MLR Institute of Technology, Hyderabad during 19th – 23rd June, 2020. This certificate is issued on 30-6-2020. Certificate ID: QCOWDS-CE000101
 26. Participated in the One Week Faculty Development Program on "**Molecules and Beyond the Molecules**" organized by Department of Humanities and Basic Sciences,

from 15th June 2020 to 19th June 2020 at **GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY(AUTONOMOUS)**, Rajamahendravaram, Andhra Pradesh, INDIA

27. Participated in the Two Day National FDP from 05-06-2020 to 06-06-2020 entitled Analytical and Diagnostic Tools in Chemical and Life Sciences organized by Andhra University, Visakhapatnam and Andhra Academy of Sciences.
28. Successfully completed six days short term faculty development programme organized by PG department of chemistry, IQAC and chemistry alumni association of Payyanur college in association with The Kerala Higher Education Council, from 23-28 may, 2020
29. Participated in International Webinar Two Day Online Faculty Development Programme on “CHEMICAL SAFETY AND ENVIRONMENTAL PROTECTION” organized by Department of Chemistry, Government College Autonomous, Rajahmundry, AP, through Google meet on 18-19 may 2020.
30. Successfully completed International Faculty Development Programme on “Research Challenges and Innovations in Renewable Energy Systems” organized by the Department of Electrical and Electronics Engineering in association with Centre for Renewable Energy Technology-AVIT from 11-05-2020 to 16-05-2020
31. Attended IIC Innovation Ambassador Training Program on “Design Thinking and Innovation” at MLR institute of technology, Hyderabad by MHRD-IIC during 6th, 7th feb 2020.
32. Attended one day orientation of participating institutes to initiate work in adopted village clusters on 6th dec 2018 at NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ, HYDERABAD.
33. Training programme on TEQIP-II MCEP (Management Capacity Enhancement Program) during 18th Jan – 22nd Jan ,2016 at IIM TRICHY, Chennai collaboration with MHRD, New Delhi
34. Training programme on “entrepreneurship development” conducted by ESCI (engineering staff college of India) initiated by SPFU: AP during 16th dec – 18th dec 2015 at A.U college of engineering, visakhapatnam. A.P
35. TEQIP summer course on “Water and WasteWater Treatment: Recent Advances” during 21st July – 25th July, 2015 at IIT Roorkee-247667, Uttarakhand.
36. A two day national workshop on “Green Energy For Conversion-2014” during dec 29-30th 2014 at IIT- Hyderabad, Telangana State, india
37. A Two day national workshop on “ Nano Material : Synthesis And Applications”, during 2nd -3rd September’14 at Sri Vidyanikethan Engineering College, Tirupathi, India
38. A one day national workshop on “Outcome Based Education” on 19th august, 2014 at AITAM, Tekkali.
39. Participated in a Two week ISTE workshop on “Pedagogy for Effective Use of ICT in Engineering Education” conducted by IIT Bombay from 12th June to 02nd August, 2014. This workshop was held under the National Mission on Education through ICT (MHRD).
40. A one-day national seminar on “Nanotechnology and Its Implications” at SSCE, Srikakulam, on 26th nov, 2013.
41. A Two-Day National Workshop on “Advanced Materials and Its applications” at VNRVJIET, Hyderabad, during 2nd and 3rd sep '13.
42. A One day National Workshop on “Outcome based Education(in compliance with NBA Accreditation)” at AITAM, Tekkali

43. A Five day National Workshop on “FACULTY DEVELOPMENT PROGRAMME (Mission10X)” from 24th -28th April, 2014 conducted by WIPRO at AITAM, Tekkali.
44. Participated in Indian Science Congress-2008 At Andhra University Campus, Visakhapatnam.
45. Attended “A Sensitizing Camp on “TECHNOPRENEUR PROMOTIONPROGRAMME(TePP)” At Andhra University college of engineering, Visakhapatnam.

Certifications:

1. Published a book titled “Principals of Inorganic Chemistry” in REST Publisher, Inida
2. Successfully Completed a NPTEL Online Certification on “Experimental Biotechnology” by IIT Roorkee during Feb-March 2025
3. Published a book Entitled on “Environmental Science and Engineering” ISBN: 978-93-94304-74-1 in GCS Publishers.
4. Successfully completed the AICTE-NPTEL course “Waste Energy Conversion” with a consolidated score of 71% Elite certification by IIT Roorkee during Jan-Mar 2023.
5. Successfully completed one week FDP on “Waste Energy Conversion” by AICTE-NPTEL during Jan-Mar 2023
6. Successfully completed a course about “Business Email Etiquette” by Mindluster during June 2023
7. Innovation Ambassador (IA) training advanced level conducted by MoE’s Innovation & AICTE during IIC calendar year 2021-22.
8. Got certified with Elite (59%) from NPTEL online certification course (8 Weeks) on “Road map for Patent Creation” conducted by IIT Kharagpur during Jan-March 2021.
9. 2 months virtual internship program from 4th Sep 2020 to 31st October 2020 as subject matter expert (chemistry) certified by DIGIPPLUS organization.
10. Got certified with Elite (65%) from NPTEL online certification course (8 Weeks) on “Accreditation and Outcome Based Learning” conducted by IIT Kharagpur during Aug-Oct 2019.
11. Got certified (88.9%) from COURSERA online non credit course (4 weeks) “Design Thinking for Innovation” authorized by University of Virginia and offered through Coursera, during May 2020.
12. Got certified online noncredit course (6 weeks) “Foundations of Teaching for Learning: Planning for Teaching and Learning” authorized by Commonwealth Education Trust and offered through COURSERA, during May 2020
13. Got certified online noncredit course (6 weeks) on “Teaching in University Science Laboratories (Developing Best Practice)” authorized by University of Amsterdam and offered through COURSERA during May-June 2020

Other responsibilities:

1. Faculty in charge of student activity center (AITAM-SAC) at Aditya institute of technology and management from Dec 2017 onwards.
2. As a Co-Ordinator for Entrepreneurship Development Cell (EDC) at Aditya Institute Of Technology And Management, Tekkali during 2014-2016
3. As a Department Co-Ordinator of TEQIP committee under BS&H department in Aditya Institute of Technology and Management (AITAM), Tekkali during 2011 to till now
4. As a Co-Ordinator for student activities under Leadership foundation at Aditya Institute Of Technology And Management, Tekkali
5. As a Dept. Co-Ordinator of NBA committee in Aditya Institute Of Technology And Management (AITAM), Tekkali, during 2010-13

Other achievements:

1. Certificate of appreciation “TEACHER INNOVATION AWARD” for sustainable efforts towards promoting joyful and experiential teaching by ZIIIEI (Zero Investment Innovations For Education Initiatives) INNOVATIONS MOVEMENT, SRI AUROBINDO SOCIETY.
2. Awarded as Best Faculty Performer from ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI from Imagine 2 innovate during the season 3 of Asian e –bike championship 2019 at Raghu college of engineering, vskp
3. One of the members of Institution’s Innovation Council established under the aegis of MHRD’s Innovation cell at ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI for the academic year 2018-19.
4. Best faculty champion for University Innovation Fellows, Stanford university from Aditya Institute of Technology And Management, k.kotturu, Tekkali, Srikakulam district, A.P
5. Appointed as a **REVIEWER** in Research scripts/IJMTES group of journals (**IJRE** | **IJREE** | **IJRCS** | **IJRME** | **IJMH** | **IJMTES**) during 2017-18.
6. Qualified CSIR-UGC NET(LS) during Dec’2016
7. Subject Matter Expert (SME) in chemistry at CHEGG INDIA from may’16
8. Got gold medal in post-graduation, Andhra University during 2007-09
9. Ratified as Asst. Professor in 2012, JNTUK selections.

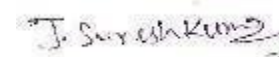
DECLARATION:

I consider myself familiar with Chemistry aspects. I am also confident of my ability to work as a team. I hereby declare that the information furnished above is true to the best of my knowledge.

Date: 07-07-2025

Signature,

Place: SRIKAKULAM.



(SURESHKUMAR JAKA)