

CURRICULUM VITAE



Name : **VENKATA MARUTI PRASAD S**
Employee ID : A5BSH00T72
Designation : Assistant Professor
Department : Chemistry (BS & H)
Date of Birth : 28-07-1982
Father Name : S.S.V.Acharyulu (late)
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Date of Joining in the Present Institution: 10-10-2022

Academic Excellence :

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D (Chemistry)	Dr. B.R.Ambedkar University, Etcherla, Srikakulam.	Pursuing	January 2023
APSET	Andhra University	Qualified	Feb 2022
B.Ed.	Andhra University	FIRST Class	Dec 2007
M.Sc.	Annamalai University	FIRST Class	May 2006
B.Sc.	Andhra University	FIRST Class	April 2002

Total Years of Experience (Teaching / Industry) : 16 Years.

PERIOD		Organization/Institution/Industry	Designation
October 2022	Till date	AITAM, Tekkali	Assistant Professor
June 2020	April 2021	UNACADEMY (Online Teaching) SORTING HAT Technologies, Bangalore	Chemistry Educator
April 2019	October 2022	Viswajyothi Degree College, Tekkali	Senior Lecturer
October 2010	April 2019	AITAM, Tekkali	Assistant Professor
October 2009	October 2010	AITAM Polytechnic College, Tekkali	Lecturer
August 2006	October 2009	Viswajyothi Degree College, Tekkali.	Senior Lecturer

Areas of Interest:

Water Analysis & Treatment of Water, Nano Technology, Adsorption Studies.

Memberships of Professional Societies and Other Organizations:

- 1) Life Member in Indian Science Congress Association (L28467)
- 2) Life Member in Chemistry Division by REST Society for Research International (SM: AA0358)
- 3) Annual Member of International Association of Academic Plus Corporate for AY-2022. (FRTJQC – CE004882)

Other Responsibilities:

- 1) Worked as Incharge of Chemistry Department at AITAM, Tekkali
- 2) Worked as N.C.C. Coordinator at AITAM, Tekkali
- 3) Working as N.S.S. Programme Officer at AITAM, Tekkali
- 4) Worked as B.O.S. Member (Chemistry Course)

Details of Publications:

Book Publications:

Venkata Maruti Prasad S, Dr. Mohammad Danish, Dr. CH V V Ramana, Dr. Banti Ganguly, “A Text Book of Nano Technology” RK Publications, **2003**, First Edition, ISBN: 978-81-19489-89-3.

International Journals:

- 1) M.L.N. Acharyulu, Ch.V.R.Murthy, T.S.Reddy, **S.V.Maruti Prasad** and S. Ashok, Spectrophotometric determination of Ritonavir by condensation method using Ninhydrin and Ascorbic Acid, *International Journal of Applied Biology and Pharmaceutical Technology*, **2012 (November)**, 4(1), 53-57.
- 2) Ch.V.R.Murthy, M.L.N.Acharyulu, G.V.S.R.Pavan Kumar and **S.V.Maruti Prasad**, Oxidimetric determination of mycophenolic acid in pure and pharmaceutical formulations, *Analytical Chemistry - An Indian Journal*, **2013 (June)**, 12(09), 323-328.
- 3) **S.V.Maruti Prasad** and B.Srinivasa Rao, A Low cost water treatment by using a Natural Coagulant, *International Journal of Research in Engineering & Technology*, **2013 (October)**, 2(10), 239-242.
- 4) B.Srinivasa Rao and **S.V.Maruti Prasad**, A Case study on low cost water treatment using Moringa Oleifera (Drum Stick), *Environmental Science- An Indian Journal*, **2013 (October)**, 8(4), 161-166,
- 5) **S.V.Maruti Prasad**, H. Ramamohan and B.Srinivasa Rao, A Note on Natural adsorbant (Moringa Oleifera) as Antimicrobial Agent in water purification, *International Journal of Research in Engineering & Technology*, **2014 (July)**, 3(7), 57-60.

- 6) J.Suresh Kumar and **S.V.Maruti Prasad**, Experimental study on performance characteristics of C.I. Engine fueled with Biodiesel and it's Belnds DiEthyl Ether. *International Journal & Magazine of Engineering, Technology, Management and Research*, **2014 (August)**, 1(8), 36-40.
- 7) B.Srinivasa Rao, **S.V.Maruti Prasad** and M.Murali, Water Treatment for removal of Heavy Metals and specific physic- chemical parameters by using different natural coagulants, *Indian Journal of Environmental Protection*, **2015 (October)**, 35(10), 854-859.
- 8) **Venkata Maruti Prasad S**, H. Ramamohan and B.SrinivasaRao, Assessment of Coagulation Potential of Three Different Natural Coagulants, *International Journal of Research and Scientific Innovation*, **2017 (December)**, 4(12), 07-09.
- 9) H. Ramamohan, I. Sudhakar and **S.V.Maruti Prasad**, Groundwater Quality And its Role in Endemic Kidney Diseases – A Case Study At North-East Coast (Uddanam) of Srikakulam District, *Indian Journal of Environmental protection*, **2019 (August)**, 39(8), 719-727.
- 10) **Venkata Maruti Prasad S**, S.Ramakrishna and H. Ramamohan, Adsorption Studies of Moringa Oleifera Seed Powder in Removal of Cadmium, Zinc and Chromium from Water, *Indian Journal of Environmental protection*, **2024 (May)**, 44(5), 387-395.

Patents:

- 1) Indian Patent 202341027782: "IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE ENABLED DESIGN, SYNTHESIS AND PROCESS OPTIMIZATION OF CHEMICAL PRODUCTS FOR INDUSTRY 4.0", 18/2023, May, 5th, 2023. (Published)
- 2) Indian Patent 202441059751: "PROTEIN CHIP ARRAYS WITH COMPREHENSIVE CHEMICAL AND ENZYMATIC TREATMENT OF PROTEINS THAT ARE PHOSPHORYLATED AND GLYCOSYLATED USING ARTIFICIAL INTELLIGENCE", August 16th, 2024 (Published).

International Conferences:

- 1) Role of Functional Groups of Natural Coagulant (*Moringa Oleifera*) in Removing the Heavy Metals and other W.Q Parameters in Water Treatment, International Conference RTSMC-2018, 2nd and 3rd February, 2018 at Annamalai University, Annamalai Nagar, Chidambaram.
- 2) Groundwater Quality and its Role in Endemic Kidney Diseases-A Case Study at North-East Coast (Uddanam) of Srikakulam district, A. P., India, International Conference RTSMC-2018, 2nd & 3rd February, 2018 at Annamalai University, Annamalai Nagar, Chidambaram.
- 3) Comparison Study of Water Quality Parameters by using Three Natural Coagulants in Water Treatment of Uddanam Area, International Conference on Emerging Materials for

Technological Applications (ICEMTA-2022), 23rd to 25th November, 2022 at Aditya Institute of Technology & Management, Tekkali.

- 4) Effect of Moringa Oleifera Seed Powder in Removal of Cadmium, Zinc and Chromium from Water, International Conference on Innovation challenges in Multidisciplinary Research & Practice (ICMRP-2023), 23rd September, 2023 at RPL Maheswari College, Indore.
- 5) Removal of Cd, Zn and Cr from water by using Moringa Oleifera Seed Powder as a natural coagulant, 1st International Conference on Environmental Challenges and Remedies for Sustainable Future (ICECRSF-2023), 15th – 16th September, 2023 at Government College (A), Rajahmundry.

Details of Conferences / Workshops / Refresher Courses Attended:

- 1) Participated in the “Regional Workshop on Practical Physical Chemistry” organized by Department of Chemistry, Govt. Degree and P.G. College (Men), Srikakulam on 8th and 9th September, 2007.
- 2) Participated in a National Seminar on Environment and Atmospheric Science organized by S.T.Hindu College, Nagercoil on 7th and 8th February, 2013.
- 3) Attended a National Workshop on Modern Analytical Techniques for Industry and Environment, on March 2nd & 3rd, 2013 at GMRIT, Rajam.
- 4) Attended a One day National workshop on Outcome Based Education, AITAM, Tekkali on 19th January, 2013.
- 5) Attended 101st Indian Science Congress on Innovations in Science & Technology for Inclusive Development organized by the Indian Science Congress Association and hosted by Jammu University, Jammu during 3rd to 7th February, 2014 presented a Paper on “A low-cost water treatment by using a Natural Coagulant”.
- 6) Attended 102nd Indian Science Congress on Science & Technology for Human Development organized by the Indian Science Congress Association and hosted by University of Mumbai, Mumbai, during 3rd to 7th January, 2015 & Presented a paper on “Comparison of specific water quality parameters by using three different natural coagulants in water treatment”.
- 7) Attended A two day National Workshop on Industrial Ecology – Interdisciplinary Perspectives and Opportunities (IEIPO-15), GMRIT, Rajam on 20th & 21st March, 2015.
- 8) Participated A One day National workshop on Outcome Based Education in association with IUCEE under TEQIP-II, AITAM, Tekkali on 9th March, 2015.
- 9) Participated in TEQIP II Sponsored Training on Pedagogy and Management Capacity Enhancement Program for Teaching Staff, AITAM, Tekkali on 23rd to 25th June, 2016.

- 10) Participated in TEQIP II Sponsored Six Day National Workshop on “Contemporary Perspectives of Mathematical and Physical Sciences pertaining to Engineering and Technology”, AITAM, Tekkali on 18th to 23rd September, 2016.
- 11) Attended One Day Awareness Programme on Intellectual Property Rights and Patents by R & D Cell, AITAM, Tekkali on 8th June, 2018.
- 12) Successfully completed A Seven day Training Programme on “Dimensions of Wellness” (Change your Habits, Change your Life), 14th October, 2022 to 20th October, 2022 organized by Research Foundation of India & RFI – CARE.
- 13) Successfully completed A Five day Faculty Development Programme on 2D Nanomaterials: Potential & Applications, 16th October, 2022 to 20th October, 2022 conducted by NITTTR, Chandigarh in association with AITAM, Tekkali.
- 14) Successfully completed A Ten day Training Programme on “R Programming for Budding Data Analysis”, 8th December, 2022 to 17th December, 2022 organized by Research Foundation of India & RFI – CARE.
- 15) Successfully completed ¼ NPTEL FDP on Effective Engineering Teaching In Practice, Indian institute of Science, Madras, Jan-Feb 2023 with 79%.
- 16) Successfully completed A Five day Training Programme on “Recent Trends in Data Analysis using MATLAB” 6th March, 2023 to 10th March, 2023 organized by REST Society for Research International (RSRI), Krishnagiri, Tamil Nadu, India.
- 17) Successfully completed A Five day Faculty Development Programme on Applications of Technology in Environmental Sustainability, 17th April, 2023 to 21th April, 2023 conducted by Applied Science Department, NITTTR, Chandigarh.
- 18) Successfully completed A Five day Short Term Training Programme (FDP) on Orientation for NEP implementation, 24th April, 2023 to 28th April, 2023 conducted by NITTTR, Bhopal.
- 19) Successfully completed 1½ NPTEL FDP on NBA Accreditation and Teaching Learning in Engineering (NATE), Indian institute of Science, Bangalore, Jan-Apr 2023 with 69%.
- 20) Successfully completed A One day Awareness Training Programme on National Intellectual Property, 21st July, 2023 conducted by CGPDTM and CSIR.
- 21) Successfully completed A Five day Faculty Development Programme on Industrial Chemistry for Engineers, 18th September, 2023 to 22nd September, 2023 conducted by Applied Science Department, NITTTR, Chandigarh.
- 22) Successfully completed 8 Weeks NPTEL FDP on Research Methodology, Indian Institute of Technology, Madras, Aug-Oct 2023 with 76%.
- 23) Successfully completed A Five day Faculty /Development Programme on Professional Ethics and Plagiarism, 5th February, 2024 to 9th February, 2024 conducted by Applied Science Department, NITTTR, Chandigarh.

- 24) Successfully completed ¼ NPTEL FDP on Effective Writing, Indian Institute of Technology, Roorkee, Jan-Apr-2024 with 75%.
- 25) Successfully completed 8 Weeks NPTEL FDP on Ethics in Engineering Practice, Indian Institute of Technology, Kharagpur, Feb-April-2024 with 68%.
- 26) Successfully completed One Week International Training Program/FDP on Practical Aspects of ICT Tools & Online Teaching in Current Scenario, World Innovators University, 16-24th April, 2024.

Certifications:

- 1) Got certified with 43% from NPTEL online certification course (12 Weeks) on “Analytical Chemistry” conducted by IIT, Kharagpur in Jul-Oct, 2017.
- 2) Got certified with Elite + Silver (79%) from NPTEL online certification course (4 Weeks) on “Effective Engineering Teaching in Practice” conducted by IIT, Madras in Jan-Feb, 2023.
- 3) Got certified with Elite (69%) from NPTEL online certification course (12 Weeks) on “NBA Accreditation and Teaching and Learning in Engineering (NATE)” conducted by IISc, Bangalore in Jan-April, 2023.
- 4) Got certified with Elite + Silver (76%) from NPTEL online certification course (8 Weeks) on “Research Methodology” conducted by IIT, Madras in Aug-Oct, 2023.
- 5) Got certified with Elite + Silver (75%) from NPTEL online certification course (4 Weeks) on “Effective Writing” conducted by IIT, Roorkee in Jan-Feb, 2024.
- 6) Got certified with Elite (68%) from NPTEL online certification course (8 Weeks) on “Ethics in Engineering Practice” conducted by IIT, Kharagpur in Feb-April, 2024.

Other Achievements:

- 1) Ratified as an Asst. Professor in December, 2013 of JNTUK selections.



— Signature.