

PROFILE

PERSONAL DATA:

Name: **Dr. R. JALABABU**

Father's name: **R. AKKESWARA RAO**

Date of birth: **01-05-1979**

Designation: **Lecturer in Chemistry**

Employee ID: **064690**

Mobile No: **9949549365**

E-mail: jbr.chemistry@gmail.com

Google Scholar: <https://scholar.google.com/citations?user=SttpaQ4AAAAJ&hl=en>

ORCID ID: <https://orcid.org/0000-0002-5810-7930>

Web of Science: <https://www.webofscience.com/wos/author/record/KEH-6268-2024>



Current position

Lecturer in Chemistry & IQAC Coordinator

Y.V.N.R. Government Degree College,

Kaikaluru, Eluru (D.t). A.P -521333

EDUCATIONAL QUALIFICATION

S. No	Degree	Institution	Year	Specialization	Grade
1	B. Sc	Bapatla College of Arts & Science, Bapatla	1998 - 2001	Microbiology, Biochemistry, Chemistry	I
2	M. Sc	S.V. University, Tirupati.	2001- 2003	Physical Chemistry	I (Gold medal)
3	B. Ed	Priyanka College of Education, Ongole	2003 - 2004	Physical Science and Biological Science	I
4	Ph. D	JNTU, Kakinada.	2013-2019	Physical Chemistry	I

PROFESSIONAL ACHIEVEMENTS

1. Selected as Second Grade Teacher (SGT) through DSC 2003 notification.
2. Selected as Junior Lecturer (J.L) through APPSC 2007 notification.
3. Eligible CSIR - NET in June 2011 with 20th Rank.
4. Eligible APSET in August 2012.
5. Promoted as Degree Lecturer in 2013.

PROFESSIONAL EXPERIENCE

S. No	Designation	Institution	Year
1	Lecturer in Chemistry	R.C. Degree College, Repalle, Guntur (D.t)	2004-2005
2	Junior Lecturer in Chemistry	PPY& PGKM Junior College, Nagayalanka, Krishna (D.t)	2005
3	Second Grade Teacher	M.P.P. School, Kondraprolu, Nuzedla, Guntur (D.t).	2005 - 2007
4	Lecturer in Chemistry	Sri Chatanya College, Vijayawada, Krishna (D.t)	2007-2008
5	Junior Lecturer in Chemistry	Government Junior College, Nizampatnam, Guntur (D.t)	2008-2013
6	Junior Lecturer in Chemistry	Government Junior College, Repalle, Guntur (D.t)	2011-2013
7	Lecturer in Chemistry	Government Degree College, Cumbum, Prakasam (D.t)	2013- 2016
8	Lecturer in Chemistry	S.C.I.M. Govt. Degree & P.G College, Tanuku. W.G (D.t)	2016 - 2021
9	Lecturer in Chemistry	Y.V.N.R Government Degree College, Kaikaluru, Eluru (D.t)	2021- till now

Research Publications

1. **Jalababu. R**, Satya Veni. S, Suresh Reddy. K.V.N, “Synthesis and characterization of dual responsive sodium alginate-g-acryloyl phenylalanine-poly N-isopropyl acrylamide smart hydrogels for the controlled release of anticancer drug”, *Journal of Drug Delivery Science and Technology*, vol. 44, pp. 190–204, 2018. (Elsevier, Impact factor: **3.981**). (ISSN 1773-2247). DOI:[10.1016/j.jddst.2017.12.013](https://doi.org/10.1016/j.jddst.2017.12.013)
2. **Jalababu. R**, Satya Veni. S, Suresh Reddy. K.V.N, “Development, characterization, swelling and network parameters of amino acid grafted guar gum based pH responsive polymeric hydrogels”. *International Journal of Polymer Analysis and Characterization*, vol. 24, pp. 304-312, 2019. (Taylor and Francis, Impact factor: **2.583**). DOI:[10.1080/1023666X.2019.1594058](https://doi.org/10.1080/1023666X.2019.1594058)
3. Pavan Rudhrabatla. V.S.A, **Jalababu. R**, Krishna Rao. K.S.V, Suresh Reddy. K.V.N, “Fabrication and characterisation of curcumin loaded pH dependent sodium alginate-g-poly(acryloyl phenylalanine)-cl-ethylene glycol vinyl ether-cohydroxyethyl acrylate hydrogels and their in-vitro, in-vivo and toxicological evaluation studies”, *Journal of Drug Delivery Science and Technology*, vol. 51, pp. 438–453, 2019. (Elsevier, Impact factor: **3.981**). DOI:[10.1016/j.jddst.2019.03.020](https://doi.org/10.1016/j.jddst.2019.03.020)
4. **Jalababu. R**, Krishna Rao. K.S.V, Sreenivasa Rao. B, Suresh Reddy. K.V.N. “Dual responsive GG-g-PNPA/PIPAM based novel hydrogels for the controlled release of anti- cancer agent and their swelling and release kinetics”, *Journal of Polymer Research*, vol. 28, pp. 83-97, 2020. (Springer, Impact factor: **3.097**). DOI:[10.1007/s10965-020-02061-0](https://doi.org/10.1007/s10965-020-02061-0)
5. **Jalababu Ramani**, Madhusudhan Alle, Garima Sharma, K.V.N. Suresh Reddy, Yeongmin Park, K.S.V. Krishna Rao & Jin-Chul Kim, Guar gum-g-poly (N-acryloyl-L-phenyl alanine) based pH responsive smart hydrogels for in-vitro anticancer drug delivery. *Soft Materials*, Vol 20, 329-343, 2022. (Taylor and Francis, Impact factor: **3.679**) DOI: [10.1080/1539445X.2022.2041033](https://doi.org/10.1080/1539445X.2022.2041033)

6. B. Deepan Kumar, V.Syamala, Dr. S. Pullareddy, Dr. J. Sai Chandra, Dr. K.A. Emmanuel, Dr **R. Jalababu**, K.V.L.N Murthy. Characteristics, Optical, Structural, And Dielectric Studies on Pure and Doped L-Protonium Trichloroacetate Single Crystals. **Journal of Chemical Health Risks**, Vol 14(6), 815-820, 2024.
7. P. Paul Divakar, K.A. Emmanuel, **R. Jalababu**, Impact of 'AI' on Education in India, *International Journal of Enhanced Research in Science, Technology & Engineering*, Vol. 13(11), 108-111, 2024. (DOI:[10.55948/IJERSTE.2024.0110](https://doi.org/10.55948/IJERSTE.2024.0110))
8. Subrahmanyam Talari, Ratna Kumari Shetty, KA Emmanuel, **Jalababu R**, Nagalakshmi TV, P S R Vidyasagar, P Praveen Kumarl, Paul Divakar P, K S Prakasarao, Manikanta rakesh Vejju. Method Development and Quantification of Enantiomers of Albutamol by HPLC, *High Technology Letters*, Vol 30 (11), 461-479, 2024. ([DOI.org/10.37896/HTL30.11/11742](https://doi.org/10.37896/HTL30.11/11742))
9. Dr. S. Pullareddy, Dr. J. Sai Chandra, Dr. V. Syamala, Dr. K. A. Emmanuel, Dr R. Jalababu. Synthesis of Aryl Acyl-Pyrrole Derivatives-B. *Nanotechnology Perceptions*, Vol. 20 No. S14 4151-4157 (2024). (<https://doi.org/10.62441/nano-ntp.vi.4245>)
10. Dr. S. Pullareddy, Dr. J. Sai Chandra, Dr. V. Syamala, Dr. K. A. Emmanuel, **Dr R. Jalababu**. Hepatoprotective Activity of Polyherbal Formulation Encompassing Original Therapeutic Plants in Rats. *Nanotechnology Perceptions*, Vol 20 (S15), 2147-2152, 2024. (<https://doi.org/10.62441/nano-ntp.vi.4150>)
11. K. A. Emmanuel, **Jalababu R**, Paul Divakar P, Nagalakshmi T, Bioanalytical Method Development and Distribution Of Verapamil In Rat Body And Its Bioavailability Study By Using HPLC. *International Journal of Creative Research Thoughts (IJCRT)*, Volume 13, Issue 1, 685-692, January 2025 | ISSN: 2320-2882.
12. T. V. Naga Lakshmi, K.A. Emmanuel, P. Paul Divakar, **R. Jalababu**, Preparation and Characterisation of Activated Carbon from Jackfruit PPI-1 Waste. *International Journal of Research and Analytical Reviews (IJRAR)*, Volume 12, Issue 1, 788-795. January 2025, (E-ISSN 2348-1269, P- ISSN 2349-5138).
13. K.A. Emmanuel, T. V. Naga Lakshmi, P. Paul Divakar, **R. Jalababu**, V. Sandhya, M. Vijaya Kumar. Removal of Basic Fuchsin Dye from Aqueous Solution by using Activated Carbon from Jackfruit Waste. *Journal of Emerging Technologies and Innovative Research (JETIR)*, Vol 12, Issue 4, 542-548. April 2025 ISSN 2349-5162.

Google Scholar: Citations - 138 h index - 6 i10 index - 5
Web of Science: Citations - 97 h index - 6 i10 index - 5

Books authored and edited.

1. An Text Book on Environmental Chemistry, Co- Author, ISBN- 978-93-92257-00-1, ANNIE SERIES, Eluru, A.P.
2. A Textbook on Green Chemistry, Co- Author, ISBN - 978-93-92257-56-8, ANNIE SERIES, 2023, Eluru, A.P.
3. Recent Trends in Management, Engineering, Arts and Science, Editor, ISBN : 978-93-91697-82-2, TECH PRESS, Delhi-110053, (2024)
4. A Text Book on Inorganic Chemistry, Author, ISBN:978-93-90028-79-5, ROSHAN Publications, Visakhapatnam (2024).
5. Research Methodology in Materials Science, Co- Author, ISBN-978-93-90028-56-6, ROSHAN Publications, Visakhapatnam (2025).

Book Chapters authored and edited.

1. **R. Jalababu**, M. Kiranmai Reddy, K. V. N. Suresh Reddy, and Kummari S. V. Krishna Rao, Smart Nanomaterials in Biomedical Applications, Hydrogels as Smart Drug Delivery Systems: Recent Advances (Chapter – 7), Springer publications, ISSN 2523-8035, ISBN 978-3-030-84262-8. DOI: [10.1007/978-3-030-84262-8](https://doi.org/10.1007/978-3-030-84262-8)
2. **Dr. R. Jalababu**, Dr. K. A. Emmanuel, Commercialization in Chemistry from Successful Entrepreneurs. ISBN-978-93- 92257-48-3, YVNR GDC & Roshan Publications, 2022.
3. **Dr. R. Jalababu**, Dr. K. A. Emmanuel, Dr. P. Paul Divakar, Dr. K. K.V.N. Suresh Reddy, Sampling Methods in Environmental Research (Chapter -1) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).

4. B. Srinivasa Rao, Dr.P. Paul Divakar, Dr. K. A. Emmanuel, **Dr. R. Jalababu**. The Imperative for Research in Environmental Science: Sustaining Earth for Future Generations, (Chapter -2) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).
5. Dr. K.V.S Koteswara Rao, Dr. Narasaiah Muppuri, **Dr. R. Jalababu**, Dr. Sk. Beebi. Role of Green Chemistry in Sustainability of Environmental Issues, (Chapter -6) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).
6. T. V. Nagalakshmi, K. A. Emmanuel, P. Paul Divakar, **R. Jalababu**. Causes, Effects and Remedies of Environmental Pollution-A Review. (Chapter -7) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).
7. Katuri Ramesh, Dr. K.A. Emmanuel, Dr. P. Paul Divakar, **Dr. R. Jalababu**. Physicochemical Characterization of Biodiesel from Vegetable Oil. (Chapter -15) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).
8. **Dr. R. Jalababu**, Dr. K. A. Emmanuel, K. Ramesh, Dr. T.V. Nagalakshmi Dr. K. K.V.N. Suresh Reddy, A Comprehensive Review of Environmental Sustainability: Current Trends and Future Perspectives. (Chapter -23) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).
9. Dr. Narasaiah Muppuri, **Dr. R. Jalababu**, Dr. K.V.S Koteswara Rao, Dr. Sk. Beebi. Integrating Environmental Research Methods in Social and Natural Sciences: A Comprehensive Analysis. (Chapter -31) ROSHAN Publications, Visakhapatnam, ISBN:978-93-90028-80-1. (2024).
10. Dr. M. Vijaya Kumar, Dr. V. Sandhya, Dr. K.A. Emmanuel, **Dr. R. Jalababu**. Biomaterials for Sustainable Aquaculture by Advancing Waste Management Solution (Chapter – 3) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
11. Dr. M. Vijaya Kumar, Dr. K.A. Emmanuel, **Dr. R. Jalababu**, Dr. V. Sandhya. Biomaterials from Fish by-Products and their Collagen Applications. (Chapter – 4) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
12. Dr. M. Vijaya Kumar, **Dr. R. Jalababu**, Dr. K.A. Emmanuel, Dr. V. Sandhya. Emerging Biomaterials Innovations and Applications. (Chapter – 11) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).

13. Dr. M. Vijaya Kumar, Dr. V. Sandhya, Dr. K.A. Emmanuel, **Dr. R. Jalababu**. Revolutionary Biomaterials Transforming Aquaculture and Medicine. (Chapter – 17) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
14. Dr. G. Giri Babu, **Dr. R. Jalababu**, Sujatha Dasari, K. Ramesh. Soft Materials in the Fashion Industry: Business Implications of Smart Textiles and Wearable Technology. (Chapter – 32) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
15. Dr. T. V. Nagalakshmi, Dr. K.A. Emmanuel, Dr. P. Paul Divakar, **Dr. R. Jalababu**. Adsorption of Textile Effluents Applying Sequential Operation of Prepared Activated Carbons. (Chapter – 33) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
16. Dr. T. V. Nagalakshmi, Dr. K.A. Emmanuel, Dr. P. Paul Divakar, **Dr. R. Jalababu**. Review of Activated Carbon Adsorbent Material for Textile Dyes Removal. (Chapter – 34) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
17. K. Ramesh, Dr. G. Giri Babu, **Dr. R. Jalababu**, Dr. K.A. Emmanuel. Shape Memory Alloys, Properties and Applications. (Chapter – 35) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).
18. Vollaru Lakshminarayana, Dr. KVN Suresh Reddy, Dr. Challa Madhavi, Dr. R. Jalababu. Advances in Smart Hydrogels and Antibacterial Nanocomposites for Biomedical Applications - A Review. (Chapter – 36) Research Methodology in Materials Science, ROSHAN Publications, Visakhapatnam, ISBN-978-93-90028-56-6 (2025).

Positions held:

1. Fellow in Indian Council of Chemists (ICC)
2. P. G Coordinator at SCIM. Government College, Tanuku from 2019 to 2021.
3. N.S.S. Programme Officer at SCIM. Government College, Tanuku from 2017-2020
4. IQAC Coordinator at Y.V.N.R Government Degree College, Kaikaluru from November 2021 to till Now.
5. BOS Subject Expert for Chemistry at A.S.N.M. Government College (A), Palakol, W.G. Dist.

6. BOS Subject Expert for Chemistry at SVRM College, Nagaram, Bapatla Dist.
7. BOS Subject Expert for Chemistry at ABR Government Degree College, Repalle, Bapatla Dist.
8. AP-CCE academic Adviser for Academic Audits.
9. Peer-Reviewer for Journal of Global Ecology and Environment.
10. Fellow in Indian Science Congress Association (ISCA).
11. SWAYAM-NPTEL SPOC of Y.V.N.R. Government Degree College, Kaikaluru.

Awards

1. Best Teacher Award in Chemistry by Devi Murali Krishna Raju Charitable Trust, Hyderabad, on 05-05-2010.
2. Best NSS Programme Officer by Adikavi Nannaya University Rajamahendravaram, on 24-11-2018.
3. Prathiba Puraskam award by Lions Club, Pydiparru – Tetali on 05-09-2020.
4. Best Faculty Award in Science by YVNR Government Degree College, Kaikaluru on 15-08-2023.
5. Indo-Asian Best Teacher Award 2023 in Chemistry by International Multidisciplinary Research Foundation (IMRF) on 05-10-2023.
6. Best IQAC Coordinator Award 2024 by Knowledge Research Academy, Coimbatore, Tamil Nadu on National Science Day (28-02-2024).
7. Young Professor of the Year Icon Awards 2024 by India Icon, New Delhi, on 19-04-2024.
8. Best Researchers Award 2024 in International Award Ceremony on Independence Day Education Award [IDEA 2024] by Knowledge Research Academy, Coimbatore, Tamil Nadu on Independence Day (15-08-2024).
9. Meritorious Award received from Smt. K. Vetriselvi, I.A.S, Collector, Eluru District on eve of 76th Republic Day celebrations.

Patents

S. No.	Title	Agency	Status	Date and Period	Application Number
1	“Comprehensive Plastic-to-Hydrogen Conversion Unit for Clean Fuel Transportation”	Office of the controller general of patents, Designs & Trademarks. Department for promotion of Industry and Internal Trade. Ministry of commerce & Industry, Government of India	National	22/03/2024	202421013878

2	Flexible Hydrogel-Nanogel Composite for Advanced Drug Delivery in Diabetes Care	Office of the controller general of patents, Designs & Trademarks. Department for promotion of Industry and Internal Trade. Ministry of commerce & Industry, Government of India	National	21/06/2024	202441046980
---	---	--	----------	------------	--------------

FDPs/ Webinars/ Workshops Organized

S.No	Name of the Programme	Level of the Programme	Date	Position
1	A Two-Day Webinar on Research Methodology	International	18 th & 19 th November 2021	Joint Secretary
2	A Five-day Day FDP on Hybrid and Blended Learning in Higher Education	National	21-02-2022 To 25-02-2022	Joint Secretary
3	A Two-Day Webinar on Creativity and Innovation in Entrepreneurship	National	14 th & 15 th October 2022	Organizing Secretary
4	A Two-Day Webinar on Environmental Development and Sustainability	International	9 th & 10 th November 2022	Organizing Secretary
5	A Two-Day Webinar on Research Methodology in Environmental Sciences	International	30 th & 31 st January 2024	Organizing Secretary
6	One-Day National Webinar on Intellectual Property Essentials: Safeguarding Creativity in the Academic Realm and Patent Filing	National	20 th February 2024	Organizing Secretary
7	A Two day international webinar on “ Entrepreneurial Marketing in Digital Era ”	International	27 th & 28 th March 2024	Organizing Secretary
8	A Two day “ International Webinar on Research Methodology in Materials Science ”	International	23 rd & 24 th January 2025	Organizing Secretary
9	National E - Awareness Workshop on SWAYAM – NPTEL Online courses	National	15 th February 2025	Organizing Secretary

Resource person for Guest/ Invited Lectures

S. No	Name of the Topic	Date	Venue
1	Chemistry	06-12-2012 To 08-12-2012	Department of Intermediate Education, A.P at Govt. Junior College for Girls Guntur
2	Chemistry	27-12-2012 To 29-12-2012	Department of Intermediate Education, A.P at Govt. Junior College for Girls Guntur
3	Chemical Kinetics (Chemistry)	01-07-2020 To 15-07-2020	State Institute of Vocational Education (SIVE), O/o Commissioner of Intermediate Education, Andhra Pradesh, Guntur.
4	“Guidance for Competitive examinations & Carrer opportunities in Chemistry”	19-03-2022	Sri ABR Government Degree College, Repalle, Bapatla Dist.
5	“Guidance for Competitive examinations & Carrer opportunities in Chemistry”	15-07-2022	Sir C. R. Reddy College (A), Eluru, Eluru (D.t)
6	Institutional Preparedness for the effective Accreditation of NAAC.	28-08-2023	V.V. Giri Government Kalasala, Dumpagadapa, West Godavari Dist.
7	Resource person for Pre Peer-Team Visit.	02-12-2023	SCHVPMR Govt. Degree College, Ganapavaram, West Godavari (D.t)
8	Spectroscopy	24-11-2023	Government College for Women (A), Guntur, Guntur District.
9	Resource Persons to give inputs and suggestions on NAAC RAF guidelines	12-02-2024	Krishna University, Machilipatnam.
10	“Carrer Prospects for Chemistry Graduates”	11-03-2024	Sri ABR Government Degree College, Repalle, Bapatla Dist.
11	Resource person to give inputs and suggestions on SSR.	19-03-2024	Krishna University, Machilipatnam.
12	Resource person for workshop on Institutional preparedness to face NAAC Peer Team	19-08-2024	V.V. Giri Government Kalasala, Dumpagadapa, West Godavari Dist.
13	Resource person for Mock Peer-Team Visit.	24-08-2024	V.V. Giri Government Kalasala, Dumpagadapa, West Godavari Dist.
14	Career Guidance and Opportunities in Chemistry	30-10-2024	Government Degree College, Avanigadda, Krishna District.

Faculty Development & Academic Extensive Programmes attended.

1. 6- Day Orientation programme on Subject Development and Teaching techniques at Acharya Nagarjuna University, Guntur, from 19-10-2009 to 24-10-2009.
2. 3 Day Training Programme on Chemistry conducted by Gurukulam, Intermediate Staff Academy, Vidyabhavan, Nampally, Hyderabad. On 28-11-2012 to 30-11-2012.
3. 3-Day Training Programme on “Human Values and Professional Ethics” organized by the CCE, A.P at D.S. Government Degree college for Women, Ongole, Prakasam District, from 25-09-2014 to 27-09-2014.
4. Orientation Courses from 24-04-2015 to 20-05-2015 at UGC-HRD Centre, Andhra University, Visakhapatnam.
5. Refresher course in Recent Trends in Chemical Sciences, 13-07-2016 To 02-08-2016 at UGC-HRD Centre, University Hyderabad.
6. Three Day Residential Training Programme on “Faculty Development Programmes on New Market Oriented Restructured Courses” under RUSA Academic Reforms in association with APSCH-31st July- 2nd August, 2017 at APHRDI, Bapatla.
7. 3-Day Regional Level Interactive Workshop on English, 09-11-2017 to 11-11-2017 at SCIM Government Degree College, Tanuku, West Godavari D.t.
8. Online Refresher Course in Chemistry for Higher Education Faculty, 01-11-2018 To 28-02-2019 in Swayam ARPIT Online Course (87 %).
9. OER, Content Development, MOOCS and MOODLES, from 19-11-2018 to 24-11-2018, E & ICT Academy, NIT Warangal, Telangana.
10. Faculty Development Programme on Organometallic Chemistry, 4-week NPTEL- AICTE Course, January – February 2019.
11. Faculty Development Programme on Bioinorganic Chemistry, 4-week NPTEL- AICTE Course, August – Sep 2019.
12. 7-Day Faculty Development Programme on Recent Trends in Teaching Learning Methodologies Using ICT in Higher Education Institutions, from 24-10-2019 to 30-10-2019, Sir C. R. Reddy College (A), Eluru, Eluru (D.t).
13. 5-Day Faculty Development Programme in Chemistry, from 01-07-2020 to 05-07-2020, AP-CCE, A.P, Vijayawada.

14. 5-Day Faculty Development Programme in LMS Video & Pedagogy from 03-08-2020 to 07-08-2020, CCE, A.P, Vijayawada.
15. 6-Day Faculty Development Programme in Recent Developments in Chemical Research for Societal Applications, from 03-08-2020 to 08-08-2020, Yogi Vemana University, Kadapa.
16. Faculty Development Programme on Metal Mediated Synthesis, 4-week NPTEL- AICTE Course, July – August 2021.
17. 5-Day Faculty Empowerment Programme on Hybrid and Blended Learning in Higher Education, from 21-02-2022 to 25-05-2022, Y.V.N.R. Government Degree College, Kaikaluru.
18. Five Day National Level Online FDP on Effective Pedagogy for Science from 29.11.2022 to 03.12.2022, organized by Departments of Physics and Mathematics, JMJ College for Women (Autonomous), Tenali, Guntur D.t, A.P.
19. 3-Day Training Programme on Internships and LMS held at Nodal Resource Center, SRR & CVR Government Degree College (A), Vijayawada from 06.02.2023 to 08.02.2023.
20. Three-Day Residential Training Programme for Strengthening Assessment and Accreditation in GDCs and PACs (TARGET-2026) from 16-05-2023 to 18-05-2023 organised at Acharya Nagarjuna University, by APCCE.
21. Five Day Interdisciplinary Online Faculty Development Programme (FDP) on Institutional Initiatives for Effective Assessment and Accreditation in the context of NEP-2020 from 07-08-2023 to 11-08-2023 organised at S.S & N College, Narasaraopet, by Sri Subbaraya and Narayana College, Narasaraopet, Palnadu District in collaboration with APCCE
22. Online Refresher Course (RC) in Physical & Chemical Sciences at UGC- HRD, Sri Venkateswara University, Tirupathi from 14-10-2023 to 27-10-2023.
23. Online two-week Refresher Course in “CHEMISTRY” 05-12-2023 to 29-12-2023 at Teaching Learning Centre Ramanujan College, University of Delhi.
24. NEP 2020 Orientation & Sensitization Programme organized by UGC-Malaviya Mission Teacher Training Centre, National Institute of Educational Planning and Administration, New Delhi, from 03-12 January 2024.
25. A Five – Day Online FDP on “Role of Modern Tools and Techniques in Chemistry” organized by P.B. Siddhartha College Arts & Science, Vijayawada, A.P from 27-05-2024 to 31-05-2024.

26. One Week National Level Refresher Course on Engineering Chemistry, organized by the Department of Chemistry, Malla Reddy Engineering College for Women, Maisammaguda, Dhulapally, Secunderabad, during 15th to 20th July, 2024.
27. One Week National Level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research, organised by The Exam Cell of Government College for Women (Autonomous), Guntur, Andhra Pradesh in association with The Commissionerate of Collegiate Education, Government of Andhra Pradesh from 02 January 2025 to 11 January 2025.

NPTEL ONLINE COURSES (MOOCs)

S. No	Name of the Course	Duration (Weeks)	Period	Result
1	Coordination Chemistry	12	July-Oct 2017	84 %
2	Stereochemistry	8	Aug-Sep 2018	69 %
3	Organometallic chemistry	4	Jan-Feb 2019	67 %
4	Bioinorganic chemistry	4	Aug-Sep 2019	99 %
5	Metal Mediated Synthesis	4	Jul – Aug 2021	65 %
6	Introductory Organic Chemistry I	8	Feb – April 2025	69 %

EDX Online Courses

S. No	Title of the EDX Course	Offered Institution	Date of Completion
1	Computer Science 101	Stanford University	03 - 06 - 2024
2	AI for Everyone: Master the Basics	IBM	15 - 06 - 2024
3	The Health Effects of Climate Change	Harvard University	16 - 06 - 2024
4	Nitrogen: A Global Challenge	The University of Edinburgh	16 - 06 - 2024
5	Environmental Protection and Sustainability	Israel X	17 - 06 - 2024

YouTube Channel

JBR SCHOOL OF CHEMSTRY

17 VIDEOS

116 SUBSCRIBERS

S. No	Name of the topic	Video link	Number of Views
1	Zero order reaction (T.M)	https://www.youtube.com/watch?v=f88QLTju6EU&t=35s	525
2	Zero order reaction (E.M)	https://www.youtube.com/watch?v=S4CYbESsGwU	72
3	Introduction of Chemical kinetics	https://www.youtube.com/watch?v=Y04wSoWmt50&t=6s	74
4	First order reaction (E.M)	https://www.youtube.com/watch?v=7uW-ml6uM_I&t=86s	111
5	First order reaction (T.M)	https://www.youtube.com/watch?v=mCOntOTkg04	138
6	Second order reaction (E.M)	https://www.youtube.com/watch?v=DQxaksVUkpQ&t=17s	134
7	Second order reaction (T.M)	https://www.youtube.com/watch?v=r_t_A0K1ENws	152
8	Third order Reaction	https://www.youtube.com/watch?v=gUVNjfmwXMY	58
9	Graphs in Chemical kinetics Part- 1	https://www.youtube.com/watch?v=oQAlJzocSPg	114
10	Graphs in Chemical kinetics Part- 2	https://www.youtube.com/watch?v=qwvWmFJYv9Q	68
11	Graphs in Chemical kinetics Part- 3	https://www.youtube.com/watch?v=H-SOwoS6l_E	70
12	Quantum numbers (T.M)	https://www.youtube.com/watch?v=BGEsAEXeZjs	759
13	OBS video recording software (Telugu)	https://www.youtube.com/watch?v=PTXQMm3GT8Y&t=608s	315
14	Phase transfer catalysis	https://www.youtube.com/watch?v=JO96e0Tni7M	430
15	Wittig Reaction	https://www.youtube.com/watch?v=BAhp1RQnx_s	64
16	Text animation in PowerPoint presentation (Telugu)	https://www.youtube.com/watch?v=FS5UnQspz0U	104
17	Metal Carbonyls Classification	https://www.youtube.com/watch?v=XWSXJp4eptc	124
Total Views			3312

Slideator Videos

S. No	Name of the topic	Video link	Number of Views
1	Baylis–Hillman and Mukayama aldol Reactions	https://slideator.com/users/watch/?v=3AGXF48fdMk	659
2	Ugi and click reactions	https://slideator.com/watch/?v=NYNXwkomWoD	612
3	Norrish type - I reaction	https://slideator.com/watch/?v=IFORUgcePXz	855
4	Norrish type - II reactions	https://slideator.com/watch/?v=eD3ieYHy0w0	1834
5	Photo decarboxylation and di pi methane reaction	https://slideator.com/watch/?v=JTXLn4LfCLU	694
6	Photo - Fries Rearrangement Reaction and Barton Reaction	https://slideator.com/watch/?v=EqE8ZF0sShl	3462
7	Stille coupling and Mannich reactions	https://slideator.com/watch/?v=ZfSU2bP8vHN	654
8	Shapiro reaction and Umpolung reactions	https://slideator.com/watch/?v=DMpQCNb7t1P	1906
9	Robinson annulation and Stark enamine Reactions	https://slideator.com/watch/?v=ESy3tYIDbb3	577
10	Wittig Reaction and Phase transfer catalysis	https://slideator.com/watch/?v=zR5nblUNnOx	1342
11	protection of carboxylic acids and diols	https://slideator.com/watch/?v=GFitPjbkpyV	701
12	Protection of Alcohols	https://slideator.com/watch/?v=BjHddmDjuuM	539
13	Protection of Amines	https://slideator.com/watch/?v=lqzXxxZv9F4	691
14	Protecting of Carbonyl compounds	https://slideator.com/watch/?v=5Z42RbIVpsV	1186
15	Carbohydrates	https://slideator.com/watch/?v=b74gSirU3c6	980
Total Views			16692

NPTEL TRANSLATION COURSES

SWAYAM-NPTEL Translator to translate SWAYAM-NPTEL courses into Telugu Language, ID No Tran0391.

S. No	Name of the Course	Course Code	No. of Lecturers Translated
1	Stereochemistry	104105086	10 (11- 20 Lectures)
2	MATLAB Programming for Numerical Computation	103106118	4 (1- 4 Lectures)
3	Cell Culture Technology	102104059	10 (1-10 Lectures)
4	Computational Fluid Dynamics	103106119	11 (34-44 Lectures)

AP CCE LMS PRESENTER

S. No	Name of the topic	Video	e-content
1	Metal Carbonyls and Classification (E.M)	01	01
2	Metal Carbonyls and Classification (T.M)	01	01
3	Structure and bonding in Metal Carbonyls (E.M)	01	01
4	Structure and bonding in Metal Carbonyls (T.M)	01	01
5	Crystal systems and Bravais Lattice (E.M)	01	01
6	Crystal systems and Bravais Lattice (T.M)	01	01
7	Molecular Orbital diagrams of Nitrogen (N ₂) and Oxygen molecules (E.M)	01	01

Conferences/Workshop/Seminar / Webinars/Quizzes

S. No	Date	Paper Title	Conference Title	Venue
1	27-09-2013 To 28-09-2013	Effects of Plastic on Environment	National Seminar on new frontiers in friendly Chemistry. [Two- day seminar]	Govt. College for Women (A) Guntur.
2	20-12-2013 To 21-12-2013	Experimental and theoretical values of excess volumes for the binary systems of methyl tertiary butyl ether with hydrocarbons.	Modern Trends in Chemical Sciences. [Two-day National seminar]	Acharya Nagarjuna University, Guntur.
3	17-10-2014 To 18-10-2014	Phytoremediation	Impact of Toxic metals, Minerals and Solvents leading to Environmental pollution. [Two- day National seminar]	Govt. College for Women (A) Guntur.
4	11-12-2014 To 12-12-2014	An Overview Microbial Biofertilizer	Impacts of Chemical Fertilizers- use of Biofertilizers for Environmental Protection. [ICFUBEP-2014] Two- day National seminar	Sri Subbaraya & Narayana College Narasaraopet.
5	28-02-2017	A Brief Review on Bioplastic	Chemistry for Swachh Bharath. [One day State level seminar]	S.C.I.M Govt. Degree College, Tanuku
6	14-03-2017 To 15-03-2017	Participation	Advances in Materials Chemistry. [AMC-2017] Two-day National workshop	Yogi Vemana University, Kadapa.
7	31-08-2017	Participation	Recent Innovation in Engineering Material. (RIEM) [One day international symposium]	S.R.K.R Engineering college(A) Bhimavaram.
8	15-09-2017	Grafted polysaccharides for synthesis of polymer	Recent Trends in Chemistry and Physics	S.R.R. & C.V.R

	To 16-09-2017	networks in drug delivery and biomedical Applications: A Review	of Materials. (RTCPM) [Two- day National Seminar]	Govt. Degree college (A) Vijayawada.
9	26-12-2017 To 28-12-2017	Synthesis, Characterization and kinetic studies of sodium Alginate grafted IPN hydrogels for controlled release of anticancer drugs	XXXVI Annual conference of INDIAN COUNCIL OF CHEMISTS. [Three- day national conference]	Andhra University Visakhapatnam.
10	17-02-2018	One-Day Training workshop	Instrumentation, application and maintenance of instruments.	K.G.R.L Degree College (A) & P.G. Courses.
11	26-11-2018	One-Day National Seminar	Role Chemistry in human life	S.K.S.D. Mahila Kalasala Degree & P.G College, Tanuku.
12	25-02-2019	One-Day National Seminar	Advances in Materials and Environmental Sciences	D.N.R. College, Bhimavaram,
13	22-08-2019	One-Day National Workshop	Contemporary Nano: Synthesis, Characterization & Applications	CH. S.D.ST. Theresa College for women (A), Eluru
14	16-09-2019	One-Day National Workshop	Sustainable Environment – Contemporary Issues & Challenges	D.R.G. Government Degree College, Thadepalligudem
15	19-02-2020 To 20-02-2020	Two-Day National Conference	Advances in Chemical Research for sustainable development in Energy, Environment Pharmaceutics	Yogi Vemana University, Kadapa.
16	27-02-2020 To 28-02-2020	Two-Day National Seminar	Role of Science & Technology for Sustainable Rural Development	D.N.R. Government Degree College, Thadepalligudem
17	06-05-2020	Online Quiz	Quiz on World Environment	TRR Government Degree College Kandukur, Prakasam Dt.
18	01-06-2020	Online Quiz	Quiz on COVID-19	Govt. Degree College, Chebrole, Guntur District,

				A.P.
19	01-06-2020	Online Quiz	Online Quiz on English	Government Degree College, Naidupet, SPSR Nellore Dt.
20	05-06-2020	Online Quiz	Online Quiz on "Environment Awareness "	P.R.Government College (Autonomous), Kakinada, East Godavari (D.t)
21	13-07-2020	Online Quiz	Online Quiz on General Chemistry	S.K.B.R Govt. Degree College, Macherla, Guntur D.t
22	27-07-2020	Online Quiz	Online Quiz On "Chemistry"	S.C.I.M. Govt. Degree College, Tanuku, West Godavari District
23	30-08-2020	Online Quiz	Online Quiz in Chemistry	The Hindu College, Machilipatnam, Krishna D.t.
24	10-12-2020	One Day National Webinar	"Significance of Chemistry in the treatment of Novel Corona Virus & Career Prospects in Pharma Sector"	DSGDC(W), Ongole, Prakasam District,
25	16-09-2020	One Day National Webinar	"Pollution Free Today - A Better Era for Future Generations"	DSGDC(W), Ongole, Prakasam District,
26	23-01-2021	One-Day International Conference	"Small Molecule Chemistry: Therapeutic and Optoelectronic Applications"	SKR College (W) Rajamahendravaram, East Godavari D.t & SVD Govt. Degree College (W) Nidadavole, West Godavari D.t
	04-08-2021	One-Day State Webinar	Novel Synthetic Strategies of Materials	S.K.B.R Govt. Degree College,

27			& Their Applications	Macherla, Guntur D.t
28	16-11-2021	Online Quiz	Online Library Quiz on General Knowledge	S.C.I.M. Govt. Degree College, Tanuku, West Godavari District
29	18-11-2021 To 19-11-2021	International Webinar	Research Methodology	Y.V.N.R. Government Degree College, Kaikaluru, Krishna D.t.
30	06-12-2022	National Webinar	Violence Against Women - Prebirth to Death	SCHVPMR Government Degree College, Ganapavaram, W. G. Dt.,
31	18-01-2022 To 22-01-2022	International Workshop	Zero to Infinity: International Workshop on Career Awareness	Shaheed Udham Singh Govt. College, Matak, Majri, Karnakl, Haryana.
32	28-01-2022	International Workshop	Environmental Sustainability	Government Degree College (Men), Srikakulam.
33	30-01-2022	National Webinar	Outcome Based Education	Sri. ABR. Government Degree College, Repalle, Guntur (D.t)
34	21-02-2022 To 28-02-2022	Seven-Day Online Workshop	The Seven Assessment Criteria for NAAC Accreditation	S.K.B.R Govt. Degree College, Macherla, Guntur D.t.
35	25-02-2022	Online training Programme	National Intellectual Property Awareness Mission.	Intellectual Property Office, India.
36	28-02-2022	Online Quiz	National Science Day Feb -2022	Y.V.N.R. Government

				Degree College, Kaikaluru, Eluru D.t.
37	07-03-2022	National Seminar	Identification of Abusive relationships & Prevention of Domestic violence	Sir C.R.Reddy College for Women, Eluru.
38	14-03-2022	Online Quiz	International Pi Day	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
39	13-05-2022	National Webinar	Synthesis, Characterization and Properties of Nano Ferrites	Sri. ABR. Government Degree College, Repalle, Guntur (D.t)
40	26-08-2022	International Webinar	Women- Entrepreneurship – Opportunities and Challenges	S.R.R. & C.V.R Govt. Degree College (A) Vijayawada
41	29-08-2022	National Webinar	“Innovative Materials For Sustainable Energy”	DS Govt College for Women, Ongole, Andhra Pradesh.
42	16-09-2022	Online Quiz	Ozone Day	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
43	17-09-2022	One-Day Workshop	“NAAC Revised Accreditation Framework”	Dr. Lakireddy Hanimireddy Govt. Degree College, Mylavaram, Krishna Dt. A.P.
44	14-10-2022 To 15-10-2022	National Webinar	Creativity and Innovation in Entrepreneurship	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
45	09-11-2022 To 10-11-2022	International Webinar	Environmental Sustainability and Development	Y.V.N.R. Government Degree College,

				Kaikaluru, Eluru D.t.
46	18-11-2022 To 19-11-2022	National Webinar	Research Methodology	Sir C.R.Reddy College for Women, Eluru
47	01-12-2022 To 02-12-2022	National Workshop	“Gender Sensitization Issues: Legal and Cyber Crime Awareness”	DR. S. R. K. Government Arts College, Yanam.
48	29-11-2023	International Webinar	Exploring Research Trends in Chemistry & Biochemistry.	S.R.R. & C.V.R Govt. Degree College (A) Vijayawada
49	30-11-2023	One - Day Workshop	NIRF Rankings 2024	QAC, APSCHE, A.P
50	24-01-2024	National Webinar	“Role of Artificial Intelligence in Chemistry”	Sri. ABR. Government Degree College, Repalle, Bapatla (D.t)
51	30-01-2024 To 31-01-2024	International Webinar	Research Methodology in Environmental sciences	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
52	20-02-2024	National Webinar	Intellectual Property Essentials: Safeguarding Creativity in the Academic Realm and Patent Filing	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
53	27-03-2024 To 28-03-2024	International Webinar	Entrepreneurial Marketing in Digital Era	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
54	07-04-2025 To 08-04-2025	International Workshop	“Empowering Youth for a Healthier Tomorrow”	Internal Quality Assurance Cell (IQAC) & Health Inspection Committee at Government Degree College, Chintalapudi.
55	07-04-2025	IP Training Programme	IP Awareness and	Intellectual

			Training Programme	Property Office, India
56	15-04-2025	One Day National Webinar	Intellectual Property Rights and its Overview	GDC Jaggampeta and GDC Yelleswaram