

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**

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Current position

Lecturer in Chemistry,

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

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

EDUCATIONAL QUALIFICATION

S. No	Degree	Institution	Year	Specialization	Grade
1	Ph. D	JNTU, Kakinada.	2013-2019	Physical 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	B. Sc	Bapatla College of Arts & Science, Bapatla	1998 - 2001	Microbiology, Biochemistry, 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**).
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)

Books & 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. An Text Book on Environmental Chemistry, Co- Author, ISBN- 978-93-92257-00-1, ANNIE SERIES, Eluru, A.P.

Positions held:

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

Faculty Development & Academic Extensive Programms

1. Orientation Courses from 24-04-2015 to 20-05-2015 at UGC-HRD Centre, Andhra University, Visakhapatnam.
2. Refresher course in Recent Trends in Chemical Sciences, 13-07-2016 To 02-08-2016 at UGC-HRD centre, University Hyderabad.
3. 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.
4. Online Refresher Course in Chemistry for Higher Education Faculty, 01-11-2018 To 28-02-2019 in Swayam ARPIT Online Course (87 %).
5. OER, Content Development, MOOCS and MOODLES, from 19-11-2018 to 24-11-2018, E & ICT Academy, NIT Warangal, Telangana.
6. 5 Day Faculty Development Programme in Chemistry, from 01-07-2020 to 05-07-2020, CCE, A.P, Vijayawada.

7. 5 Day Faculty Development Programme in LMS Video & Pedagogy from 03-08-2020 to 07-08-2020, CCE, A.P, Vijayawada.
8. 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.
9. 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.

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 %

YouTube Channel

JBR SCHOOL OF CHEMSTRY

17 VIDEOS
90 SUBSCRIBERS

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)

APCCE 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 (E.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
8	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 Swachch 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 To 16-09-2017	Grafted polysaccharides for synthesis of polymer networks in drug delivery and biomedical Applications:	Recent Trends in Chemistry and Physics of Materials. (RTCPM)	S.R.R. & C.V.R Govt. Degree college (A)

		A Review	[Two- day National Seminar]	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.N.R. 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 Pharmaceuticals	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(Autonomou s), 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) Rajamahendravara m, East Godavari D.t & SVD Govt. Degree College (W) Nidadavole, West Godavari D.t
27	04-08-2021	One Day State Webinar	Novel Synthetic Strategies of Materials & Their Applications	S.K.B.R Govt. Degree College, 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 Carrer 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	14-03-2022	Online Quiz	International Pi Day	Y.V.N.R. Government Degree College, Kaikaluru, Eluru D.t.
38	13-05-2022	National Webinar	Synthesis, Characterisation and Properties of Nano Ferrites	Sri. ABR. Government Degree College, Repalle, Guntur (D.t)