

Dr. Jayanti S. Rajora

Assistant Professor (Chemistry),
M. N. College, Visnagar
Gujarat(INDIA)
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PB-3 Academic level-11
GPSC Appointment(16/03/2013
Date of Joining: 18/03/2013 (At GSC Gandhinagar)



Personal Details:

Address: B- 1104, Devnandan Sky, Chandkheda, Ahmedabad-382424
Date of Birth: 19th January 1980
Marital Status: Married
Languages known: English, Hindi, Gujarati

Educational details

Ph.D. in Chemistry from Department of Chemistry, Mohan Lal Sukhadia University, Udaipur (2010)

“A study on synthesis and transformation of some Chalcones and related derivatives using Microwave Induced Techniques.”

M.Sc. (Analytical Chemistry) with 68% from M. P. Govt. P. G. College, Chittorgarh,, Mohan Lal Sukhadia University, Udaipur, during (2000 - 2002).

B.Sc. (Chemistry, Zoology, Botany) with 70% from M. P. Govt. P. G. College, Chittorgarh, Mohan Lal Sukhadia University, Udaipur during (1997 - 2000).

Professional Positions:

Assistant Professor : Government Science College, Gandhinagar from 18/03/2013 to 01/11/2023
M. N. College, Visnagar from 02/11/2023 onwards till date

Assistant Professor (On Contractual basis) : Gujarat Arts and Science College Ahmedabad from June 2010 to March 2013

Membership : Life member of NMR Society of India, IISC Bangalore.

Research Papers

1. **A Comparative Analysis of Vitamin C Concentration in Fruits Consumed Commonly in Middle Region of Gujarat**, International Journal of Scientific Research in Science and Technology, March-April-2023, 10 (2) 151-156, ISSN:2394-4099.
2. **A Colorimetric Analysis of Iron Content in some Vegetables and Herbs**, International Journal of Scientific Research in Chemistry, March-April-2023; 8 (2) : 13-17
3. **Analysis of Effect of Heating and Storage Time on Vitamin C Concentration of Selected Fresh Fruit Juices by Colorimetry**, International Journal of Scientific Research in Chemistry, March-April-2022,(7)2,46-50, ISSN: 2456-8457
4. **Newer Approaches to Schiff Bases**, International Journal of Scientific Research in Science and Technology, Jul-Aug-2019,(6)4,473-478, ISSN:2395-6011
5. **Development of Newer Bioactive Triazolopyrimidines**, International Journal of Scientific Research in Science and Technology, Sep-Oct-2018,(4)10,599-606, ISSN: 2395-6011
6. **“Advances In the Development of New Quinazoline Based Anti-Cancer Agents”**. International Journal of Scientific Research in Science, Engineering and Technology, Jul-Aug-2017,(3)5,798-803, ISSN:2395-1990.
7. **Nanotechnology and use of nano materials**, Impact on environment and human health, Contemporary issues in environment, Vol.-II, 2016, ISBN: 978-93-84044-97-8.
8. **Some transformations of Benzimidazolyl chalcones using MAOS Protocol A Green approach** Archives of Applied Sciences and Research, 2011, 3(2),ISSN : 192-198,0975-508x]X
9. **Microwave assisted transformation of benzimidazolyl chalcones into N1-substituted pyrazoline and evaluation of their antimicrobial activities**, Indian Journal of chemistry -B Vol 49B (07) [July 2010] , 989-993,ISSN: 0376-4699
10. **Ecofriendly Microwave assisted synthesis of some 3-Benzimidazolyl-5-aryl-2-pyrazolin-1-carboxaldehyde hydrazone as potent anti microbial agent**, Rasayan journal of chemistry, Vol.2 ,No.3,2009, 641-644 , ISSN: 0974-1496
11. **Synthesis and antimicrobial activities of some benzimidazolyl pyrazoles**, Rasayan journal of chemistry, Vol.2 ,No.3,2009, 655-658 , ISSN: 0974-149
12. **Microwave induced synthesis and antimicrobial activities of some (3-(2-hydroxyphenyl)-5-aryl-2-pyrazolinyl)-4-thiazolidenones**, Heterocyclic communications, Vol.13, No.6 , 2007, 397-402,ISSN:0792-0283

BOOKS

(1) ANALYTICAL CHEMISTRY MCQ

Author: Dr. Jayanti Rajora
Publisher: Lulu Press
Year of Publication: 2022
ISBN: 977-8-138-79206-9

(2) CHEMISTRY MCQ

Author: Dr. Jayanti Rajora
Publisher: Clever Fox Publishing, Chennai, India
Year of Publication: 2022
ISBN: 978-9-394-45710-2

(3) SPECTROANALYTICAL TECHNIQUES

Author: Dr. Jayanti Rajora
Publisher: Lulu Press
Year of Publication: 2022
ISBN: 978-1-387-94843-7

(4) NANOMATERIALS AND NANOTECHNOLOGY (Text book English & Gujarati)

Author: Dr. Jayanti Rajora, Dr. Dipti Dodiya
Publisher: Sona Prakashan and Book Agency (Ahmedabad)
Year of Publication: 2016

(5) SYNTHESIS OF THIOCARBAMIDO BENZIMIDAZOLYL PYRAZOLINES

Author: Dr. Janardan singh Yadav, Dr. Jayanti S. Rajora, Dr. Y.K. Shrivastava
Publisher: Lambert Academic publishing (LAP)
Year of Publication: 2015
ISBN: 978-3-659-33573-0

(6) BENZIMIDAZOLYL INDAZOLE DERIVATIVES

Author: Dr. Jayanti S. Rajora, Dr. Y.K. Shrivastava, Dr. Janardan Singh Yadav
Publisher: Lambert Academic publishing (LAP)
Year of Publication: 2015
ISBN: 978-3-659-68494-4

(7) SOIL COMPOSITION AND ANALYSIS

Author: Dr. Jayanti Rajora
Publisher: Sona Prakashan and Book Agency (Ahmedabad)
Year of Publication: 2014
ISBN: 978-93-5196-4650

(8) SOME PYRAZOLINES DERIVED BY BENZIMIDAZOLYL CHALCONES

Author: Dr. Jayanti S. Rajora
Publisher: Lambert Academic publishing (LAP)
Year of Publication: 2014
ISBN: 978-3-659-62431-5

Seminar/Conference/ Workshop

1. Participated and **poster presented on “ “Synthesis of Novel Schiff Bases Containing Coumarin Moiety Through MAOS- Protocol And Evaluation Of Their Antimicrobial Activity and won best poster Award in Virtual International Conference on "Interdisciplinary Approaches in Chemical Sciences" (IACS_2021) conducted on 21st to 23rd October 2021, organized by Department of Chemistry, MÉS's Abasaheb Garware College, Pune, India.**
2. Participated and **research paper presented on “Herbal Nutraceuticals: An alternative to Pharmaceuticals in post COVID conditions” in International E- conferences on advances in Chemical Science and Pharmaceutical Chemistry held on 8th October -2021, organized by Department of Chemistry, Arts, Science and Commerce College Pilvai, Gujarat. India.**
3. Participated in **Online National workshop on “ICT Tools for Chemistry Teachers” held on 22nd February -2021, organized by GADTLC, SGTB Khalsa College, University of Delhi under PMMMNM OF Ministry of Education, India.**
4. Participated and **presented Poster on “Applications of Nanoparticles in Fabric Finishing” in International conferences on Supramolecules and Forensic Nanotechnology held on 23rd and 24th February -2018, organized by Department of Chemistry, Forensic Science University, Gandhinagar, Gujarat. India.**
5. Invited as **“Speaker” in State Level workshop on “Current trends in Chemical Sciences” held on 13-14 Mar. 2016, at Government Science College, Gandhinagar.**
6. Participated and **presented poster on “ Nanotechnology and use of nano materials : Impact on environment and human health” in National level seminar entitled “contemporary issues in environment” held on 23-24 Feb. 2016 at Swami Vivekanand Government P. G. College, Neemach, M. P.**
7. Participated and **Presented paper on “ Green synthetic techniques “ in National level workshop entitled “Recent experimentation/instrumentation techniques used in chemistry and physics ” held on 23-24 Feb. 2016 at Swami Vivekanand Government P. G. College, Neemach, M. P.**

Details of Orientation / Refresher / FDP / STC / MOOCs Courses Attended / developed:

Sr. No	Course and Its Details	Organizer	Starting Date	End Date
1	Orientation Course	UGC- HRDC, University of Rajasthan, Jaipur	18-05-2015	13-06-2015
2	Refresher course in Chemistry	UGC-HRDC, Savitribai Phule Pune University, Pune	11-07-2016	31-07-2016
3	Online Refresher course in Chemistry for Higher Education Faculty	SWAYAM portal ARPIT, MINISTRY OF HUMANN RESOURCE DEVELOPMENT	01-11-2018	27-02-2019 Exam 30/03/2019
4	17th Online Short Term Course on E- content development	UGC-HRDC, Gujarat University, Ahmedabad	28-05-2020	03-06-2020
5	Online UDAYAM E- content development Course	Knowledge Consortium of Gujarat (KCG), Ahmedabad	28-07-2020	18-08-2020
6	Certificate Course on Comprehensive online Intellectual Property Rights (IPR)	i-Hub, Education Department, Gujarat Government	06-07-2020	14-09-2020
7	Online FDP on Mental Health and Higher Education	B. M. Institute of Mental Health and KCG, Ahmedabad	01-02-2021	15-02-2021
8	FDP on Developing Positive Mental Health for Teaching Learning Environment (online)	GAD-TLC under PMMMNMTT of Ministry of Education, Delhi University	25-01-2022	31-01-2022
9	Online National FDP on MOOC's and E- Content Development	GAD-TLC under PMMMNMTT of Ministry of Education, Delhi University	25-05-2023	31-05-2023
10	Online National FDP on Cancer Awareness	Indian Cancer Society, Delhi, GAD-TLC under PMMMNMTT of Ministry of Education, Delhi University and	21-08-2023	28-08-2023