


RIE BHOPAL, Faculty Profile (Last five years from 2019-2025)

Full Name:	Dr. RAMPRAKASH PRAJAPATI			
Designation:	Associate Professor of Chemistry			
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Education Qualification:	M.Sc. NET (JRF), SLET, Ph.D. (Chemistry)			
Teaching Experience:	25 years	Research Experience:	16 years	
Academic Identity: Scopus Id :- 54880716000 Scopus Web Link :- https://www.scopus.com/authid/detail.uri?authorId=54880716000 ORCID ID :- 0009-0003-9225-0639 ORCID ID Web Link :- https://orcid.org/0009-0003-9225-0639 Vidwan Id :- 620989 Vidwan Web Link :- https://vidwan.inflibnet.ac.in/profile/620989 Google Scholar ID :- IW8FZ9gAAAAJ Google Scholar Web Link :- https://scholar.google.com/citations?hl=hi&user=IW8FZ9gAAAAJ&view_op=list_works&gmla=AIfU4H7fVNNlw30S_fgFrCvmovKpDZr332msSKscLZu9cMQJww--GbEdzrEbZd7P4iYoxCNMg8cNTbXjYZz2AEr4KNO8HP8XoWvJscuZHI-259H3DSS9fmGwixfl4_R9BoIP5_Jeyv9Icrx8				
Research Interest and Fields of Specialization: Spent Catalyst, Environmental Impact Assessment, Organometallic Compound Inorganic Chemistry				
Member of Academic Institutions (Board of Studies/Research Degree Committee/ School Board) Present/Past				

1. Membership of different Organizations

Life member of Indian Science Congress Association (ISCA) Journal every man's science

2. Research Supervision

(No. of Ph.D. Degree Awarded _____ and Registered _____)

(Number of M.Phil awarded in _____)

3. Research Projects (Completed and ongoing with title, type, fund allocated, duration and name of the funding agency)

1. Concurrent evaluation of shaala siddhi hamari shaala esi ho A rajya shiksha Kendra , M.P. ,Bhopal sponsored research project (**Research**) 2019. **Team Member Investigator M.P.**
2. Effectiveness of virtual lab in science at secondary level from 14-18 October 2019, PAC 16.03. **Team Member, NCERT.**
3. Concurrent evaluation of shaala siddhi hamari shaala esi ho A rajya shiksha Kendra , M. P. ,Bhopal sponsored research project (**Research**) 2019. **Team Member, M. P.**

4 Research program of Ichchhawar block, Implementation of intervention at the school level of elementary students in Ichchhawar block M. P. 2019-2020. **Team Member,NCERT.**

5 Effectiveness of training programme for use of science at secondary school level. PAC -16.06 (Research).NCERT.

4. Administrative Experience- 20 year

5. Scientific Visits Abroad/International Collaboration

6. Conference/Symposium/Workshop Attended during(2019-2025)

Name of the Seminar/Conference/Symposia Workshop, etc	Name of the Sponsoring Agency	Place and Date
1.National seminar on revised NAAC framework evolving trends in quality, Quality improvement in teaching-learning processing education.	UGC	5 January 2019,Career college Bhopal
2.National seminar on reforms in teacher education for constructivist schooling, The effectiveness of constructivist approach.....5E cycle in chemistry of acid-base concept at schooling held at BSSS, Bhopal ,from 1-2 Feb. 2019	UGC	from 1-2 Feb. 2019 BSSS, Bhopal
3.,International conference on emerging trends and innovation in school science, Bridging learning digital divide through ICT teaching	NCERT	Feb.6-8,2019 at RIE, Bhopal
4. Annual conference of regional science association on India, Climate change and sustainable development	UGC	20-22 Feb 2019,at IEHE ,Bhopal
5. National seminar on ICT integration in education and learning analytics, Bridging learning digital divide through ICT teaching science	NCERT	March 15-17,2019 at RIE Bhopal
6. National seminar on gender equality and feminist perspective in modern era	UGC	9 September 2019, Ananad vihar college, Bhopal
7.National conference on emerging trends and innovation in science	MPCST, Bhopal	28, Jan 2020, IEHE, Bhopal
8.National conference on implications of Gandhian thoughts for school curriculum	NCERT	January 30-31, 2020 at RIE, Bhopal

9. 5 th International conference on environmental pollution and health management (EPHM-2020)	Department of biotechnology Govt. Of India	28-29 Feb. 2020 at Career college Bhopal
10. National conference on scientific & environmental innovation and implementation of sustainable development goals	UGC & MPCST	7-8 March 2020 at MPCST, Bhopal
11. National webinar on Nanotechnology for clean energy storage and environmentally sustainable E-mobility	UGC, BU, Bhopal	June 06, 2020 at BU, Bhopal
12. International webinar on evolving viruses and human interventions	UGC,	23 rd August, 2020 at Shujalpur, MP
13. National webinar on NEP, 2020	NCERT,	28 th August, 2020, at RIE, Bhopal
14. National webinar on NEP 2020 and philosophy of antyodaya	UGC, Jhajjar (Haryana)	17 th Oct. 2020, at Jhajjar (Haryana)
15. International webinar on CO2-RPFED, 2020	Manit, Bhopal	23-24 Oct. 2020, at Manit, Bhopal
16. National conference on recent advances in science education	NCERT	Feb. 26-28, 2024 at RIE, Bhopal

7. A) Research Papers Published in journals as six years (2019-2025)

(Include H-Index, i10 Index and total No of Citation as Per Scopus/Google Scholar):

The format of Publication details should include: Authors Name (as appeared in the journal), Title of the Paper, Name of the Journal with ISSN no, Volume, Page No, DOI: ___, Year of Publication, Publisher Name, Country of Publication, Indexed, in: Scopus/Web of Science.

1. Prajapati, R. P. & Rashmi Singhai (2019), Bridging learning digital divide through ICT in teaching physics, JETIR, vol, 6(5) pp, 581-591. (UGC approved and international peer reviewed journal, ISSN 2349-5162, Impact factor-7.87). UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
2. Prajapati, R. P (2019). Climate change and sustainable development, IJSR, Vol. 7 (5) pp 816-817. (International peer reviewed journal, ISSN 2319-7064, Impact factor 7.426)
3. Prajapati, R. P (2019). Inculcation of values through science experiments at secondary level, IJSSR, Vol. 8 (3) pp 487- 495. (International peer reviewed journal, ISSN 2279-0543, Impact factor 6.946), UGC approved, Copernicus, Google scholar.
4. Prajapati, R. P & Rashmi Singhai (2020), Emerging trends for minimization of environmental pollution. IJGHC, Vol. 9 (3) pp 355-361. (International peer reviewed journal, ISSN 2278-3229, Impact factor). Indexes Copernicus, DOI.10.242/4/IJGHC/GC/...
5. Prajapati, R. P. & Rashmi Singhai (2020), Minimization of industrial waste water containing heavy metals on environment. Research Inspiration vol. 5 (2) pp 01-09. (International peer reviewed journal, ISSN 2455-443X, Impact factor 6.331) Google scholar CAS, IAS, citation-63, h-Index-3, i10-index-2

- 6.** Prajapati, R.P. (2020), Recovery of molybdenum (Mo) metal from spent catalysts by bioleaching, WJPLS Vol.6 (9) pp,178-184. (ISSN 2454-2229, an international peer reviewed journal, Impact factor 6.129), Citation 590, h-Index-12, i-10 Index 17, Copernicus, and Google scholar
- 7.** Prajapati, R.P. (2020), Science teaching through 5E learning concept JETIR, Vol. 7 (8), pp, 896-900. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-5.87). UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 8.** Prajapati, R.P. & Rashmi Singhai (2020), Impact of COVID-19 on global environment and sustainable development, WJPLS, Vol.6 (10) pp,125-132 (ISSN 2454-2229, an international peer reviewed journal, Impact factor 6.129) Citation 590, h-Index-12, i-10 Index 17, Copernicus, and Google scholar.
- 9.** Prajapati, R.P. & Rashmi Singhai (2020), Understanding of science concepts using practical skills at schooling, JETIR, Vol.,7(9) pp, 101-109. (UGC approved and international peer reviewed journal, ISSN 2349-5162, Impact factor-5.87) UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 10.** Prajapati, R.P. & Rashmi Singhai (2020), Incultation of teaching-learning process through constructivist approach in chemistry of atomic structure concepts at schooling, JETIR, Vol.,7(9) pp, 897-901. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-5.87) UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 11.** Prajapati, R.P. & Rashmi Singhai (2020), Eco-frindly chelating agents for extraction of metal from spent catalysts of fertilizer industry, JETIR, Vol. 7(10) pp, 3717-3729. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-5.87) UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 12.** Prajapati, R.P. & Rashmi Singhai (2020), Extraction of nickel from spent catalyst coming out from fertilizer industry, WJPLS, Vol.7 (1) pp,140-142 (ISSN 2454-2229, an international peer reviewed journal, Impact factor 6.129), Citation 590, h-Index-12, i-10 Index 17, Copernicus, and Google scholar.
- 13.** Prajapati, R.P. & Rashmi Singhai (2021), Effectiveness of use of secondary science kits for class 9th at school level, JETIR Vol. 8(9) pp, e773-e783. (UGC approved and international peer reviewed journal, ISSN 2349-5162, Impact factor-7.95). UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 14.** Prajapati, R.P. & Rashmi Singhai (2022), Incultation of use of secondary science kits for class X at schooling, JETIR Vol. 9(2) pp, a802-a811. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-7.95), UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 15.** Prajapati, R.P. & Rashmi Singhai (2022), Pedagogical process and content integrated technology in science at primary level, JETIR Vol. 9(11) pp, a802-a811. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-7.95), UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 16.** Prajapati, R.P. & Rashmi Singhai (2023), Incultation of ethical values as per NEP-2020 for quality assessment, JETIR Vol. 10(7) pp, b240-b247. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-7.95), UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 17.** Prajapati, R.P. (2024), Incultation of multidisciplinary nature of environmental education as per NEP-2020, JETIR Vol. 11(1) pp, c823-c829. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-7.95) UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.
- 18.** Prajapati, R.P. (2025), The use of information communication technology in the environmental studies subject at primary level, IJAEMA Vol. 17(2) pp, 189- 195. (UGC approved and

international peer reviewed journal ,ISSN 0886-9367, UGC approved no. 36272, Google Scholar, Copernicus, research gate.

19.Prajapati,R.P. (2025), ICT for inclusive education, JETIR Vol. 12(1) pp, g768-g781. (UGC approved and international peer reviewed journal ,ISSN 2349-5162, Impact factor-7.95), UGC approved No. 63975, Google Scholar, Copernicus CAS, IAS, Elsevier, Orcid, and research gate.

B) ARTICLES PUBLISHED IN THE EDITED BOOK

C) PAPER PUBLISHED (IN CONFERENCE PROCEEDING with ISSN Number)

D) PUBLICATION OF BOOKS (Both as Authored and Edited)

Published one book , Practical skills in science for secondary science teachers as authored ,ISBN-978-93-87463-66-0, 2019

E) PREPARATION OF STUDY MATERIAL

1. Course writing for developing Diploma Programme in Science Education (DPSE) Module-III Unit-18 Key Concept-IV Physical Science (Chemistry). 2019-20
2. Integration of TPACK in science at upper primary level(PAC 16.17, development of e-content) 2020-21.
3. Training on development of HOTs questions in Chemistry for KRPs of CG and Maharashtra state PAC 23.29 duration 12-16 Dec., 2022 **RPs.**
4. Prepared chemistry (science) capsule on practical skills based on science concept for IX and X class on- (2018-19)

I. Experiment on exothermic and endothermic reactions.

II. Separation of solid mixture by sublimation process.

III. Preparation and properties of CO₂ gas.

IV. Precipitation and displacement reaction.

V. Preparation and properties of hydrogen gas.

5. E-content prepared for class 10th Chapter-2 Acids, bases and salts , Chapter-3 metals and non metal and Chapter-4 , Carbon and its compound 2020-21.

6. E-content prepared for class 3rd environmental studies chapter flying high and its raining June 2020.

F) EDITORSHIP OF RESEARCH JOURNAL

G) MOOCs

E-content (MOOC) prepared for class 10th Acids, bases and salts August 2020 and metals and non-metal Nov. 2020.

8) ORGANIZATION OF SEMINAR/WORKSHOP/FDP/TRAINING PROGRAM

1. Concurrent evaluation of shaala siddhi hamari shaala esi ho A rajya shiksha Kendra , M. P. ,Bhopal sponsored research project (**Research**) 2019. **Team Member Investigator.**

2. Training programme of SGR,s KRP,s (Dahod District) in mathematics for aspirational district from 27-06-19-01-07-19 .**RPs**

3. Effectiveness of virtual lab in science at secondary level from 14-18 October 2019, PAC 16.03.**Team Member**

4. Course writing for developing Diploma Programme in Science Education (DPSE) Module-III Unit-18 Key Concept-IV Physical Science (Chemistry).

5. Concurrent evaluation of shaala siddhi hamari shaala esi ho A rajya shiksha Kendra , M. P. ,Bhopal sponsored research project (**Research**) 2019. **Team Member**

6 Research program of Ichchhawar block, Implementation of intervention at the school level of elementary students in Ichchhawar block M. P. 2019-2020.

7 e- content prepared for class 3rd environmental studies chapter flying high and its raining june 2020.

8.e- content (MOOC) prepared for class 10th Acids, bases and salts August 2020 and metals and Non metal Nov. 2020.

9 Effectiveness of training programme for use of science at secondary school level. **PAC-16.06 ,2020 (Research).**

10.Integration of TPACK in science at upper primary level(PAC 16.17, development of e-content) 2020-21.

11. Capacity building of KRPs of M. P. on use of science kit at upper primary level Jan. 25-30, 2021 PAC,16.31.

12. **Review of** Course writing for developing Diploma Programme in Science Education (DPSE) Module-III Unit-18 Key Concept-IV Physical Science (Chemistry).2020-21.

13. Orientation of secondary school science teachers of Madhya Pradesh, Chhattisgarh and Maharashtra on use of secondary science kit. PAC 23.28 duration 19-23 Sep. 2022 training **coordinator.**

14. Training on development of HOTs questions in Chemistry for KRPs of CG and Maharashtra state PAC 23.29 duration 12-16 Dec. ,2022 **RPs.**

15. Orientation of KRPs of secondary stage school teachers of M. P. in light of NEP 2020, 2-6 Dec. 2022. **RPs.**

16. Training of higher secondary chemistry teachers of CM rise schools under TWD duration 17-21 Oct. 2022, . **RPs.**

17. Training of Senior secondary chemistry teachers of Madhya Pradesh (PAC -23.01) 17-1-22 to 21-01-2022 Jan.. 2022, . **RPs.**

18. Training of secondary science teachers of Madhya Pradesh (PAC -23.01) 17-1-22 to 21-01-2022 Jan.. 2022, . **RPs.**

19. Training for master trainers of lab assistants on science and math's of M. P. on 1-5 June 2023 at RIE Bhopal. **Coordinator.**

20. Training of senior secondary chemistry teachers under samagra shiksha abhiyan duration 3-7 Oct. 2023, . **RPs.**

21. Capacity building of secondary teachers of adarsh niwasi shalas of Gujarat state in science subject PAC 23.30 from 9-13 Oct. 2023 at RIE, Bhopal **Coordinator.**

22. Training of senior secondary chemistry teachers under samagra shiksha abhiyan duration 16-207 Oct. 2023, . **RPs.**

23. Training for DRMS on science high school teachers of M. P. on 4-7 Dec. 2023 at rie

24. Training for DRMS on Chemistry higher secondary school teachers of M. P. on 8-11 Dec. 2023 at rie Bhopal **Coordinator.**

25. Training of KRPPs of western region on the use of secondary stage-2 chemistry kits on 23-27 Sep. 2024 at RIE, Bhopal **Coordinator.**

9) Other Information if any

1. Acted as judge in 27th National Children science congress 2019 on November, 25-26, 2019 KV No. -2 Bhopal.

2 Acted as judge in celebration of national science day at regional science centre, Bhopal 27th February 2020.

3. Acted as expert member of interview committee in RIE, Bhopal on 9-1-2020.

4.

a. Acted as expert member of interview committee for JPF on 10-11-2020 at RIE, Bhopal.
b. Acted as a judge for the Regional level National children Science Congress 4-5 Jan. 2021 at KV. No.-2 Bhopal
c. National seminar on emerging trends and issues in learners assessment at school level Nov.24-26,2020,Co-Chaired a technical session as resource person at RIE,Bhopal

d. 9 th National conference on Mathematics education 20-22 December, 2020,Co-Chaired a technical session as resource person, at RIE,Bhopal
e. National conference on Integration of STEAM in school education, Feb. 26-28,2021,Co-Chaired a technical session as resource person at RIE,Bhopal
f. Acted as a judge for the 48th Regional level JNNSME- 2021, 8 th April 2021 at KV. No.-2 Bhopal.

5. Acted as Chairperson of interview committee in KV TGT , May 2019

6. Acted as expert in science kit Indore 18-19 April 2023.

7. Acted as expert in science kit Indore 18-19 May 2023.

8. Acted as Chairperson of interview committee in KV TGT , May 2022

9. Acted as expert in science kit Indore 18-19 April 2023.

10. Acted as expert in science kit Indore 18-19 May 2023.