

Curriculum Vitae

A. Personal Detail:

Name	Dr. Kamlesh Bilgaiyan
Father's Name	Late Sri U S Bilgaiyan
Mother's Name:	Smt Shanti Bilgaiyan
Designation:	Assistant Professor
Nationality	Indian
Date of Birth	08 May 1974
Permanent Address	Guru Vihar Colony, Behind Primary School Pichore, Jhansi (UP), Pin- 284128
Category	General
Contact Number	9415589434, 9140528156

B. Qualification

(a) Educational:

Exam	Year	Board/ University	Percentage	Subject
CSIR NET	2003	UGC-CSIR	----	Chemical Science
Ph D	2002	Dr H S Gour University, Sagar	----	Chemical Kinetics
Post Graduation	1997	Dr H S Gour University, Sagar	65.5	Organic Chemistry
Under Graduation	1995	Dr H S Gour University, Sagar	57.5	Chem, Bot, Zool
Higher Secondary	1991	MP Board, Bhopal	58.8	Phys, Chem, Bio
High school	1989	MP Board, Bhopal	74.8	All Subjects

(b) Professional

- (I) Ph D was awarded in Feb 2002 for "Kinetics of Oxidation of Some Sulpha Drugs by Quinquevalent Vanadium in Sulphuric Acid Medium".
- (II) Presently working on kinetics and material science. Also working on physicochemical properties of various plant extracts.

C. Experience:

(a) **Teaching:** As **Assistant professor** in the Department of Chemistry, Bundelkhand University, Jhansi,

Post graduate: Nearly 19 Yrs. & **Under Graduate:** Nearly 19 Yrs.

(b) **Research:** More than 21 Years research experience in the field of Chemical Kinetics. Research started from physical research laboratory, Dr H S Gour University, Sagar (MP) and work carried out to Bundelkhand University, Jhansi.

- Under my supervision one Ph D is awarded in 2020 of Himanshi Chourasiya (Synthesis and Characterizations of Novel Single Source Precursors for Semiconductor Thin Films).
- One PhD is running under my supervision.
- Approximately 27 M Phil (Listing blow) and 40 M Sc students were successfully submitted their dissertation work under my supervision.

SN	Name of Student	Topic	Year
1	Anita Arya	Synthesis of 4(4` - methoxy fenyl) – 6- substituted – 1,5,5,6 – tetra hydro pyrimidine – 2 – thiones.	2008 - 09
2	Chandra Bhan	Chemistry of mixed phthaleins, their synthesis and colour.	2008 - 09
3	Soma Rajpoot	Physicochemical investigation of Some tetra chloro phthal-as-eins, their synthesis and color.	2008 - 09
4	Pavendra Verma	UV spectrophotometric determination of oxidation of alcohols and other -----bromo Chromate	2008 - 09
5	Kanchan Rai	Oxidation of benzaldehyde by QCC in presence of CTAB in sulphuric acid medium.	2008 - 09
6	Seema Agrawal	The effect of solvents on the Kinetics of oxidation of benzaldehyde by QCC in aqueous acetic acid medium.	2009-10
7	Pratibha	Synthesis of 4(4` - methoxy fenyl) – 6- substituted – 1,5,5,6 – tetra hydro pyrimidine – 2 – ones	2009-10
8	Jashmine	Chemistry of mixed phthaleins, their synthesis and color.	2010 -11
9	Richa Srivastava	Design of more potent antidiabetic drugs through quantitative structure activity relationship method.	2010 -11
10	Ranu Pachauri	Synthesis of mixed phthaleins & succineines and their physic chemical studies with special reference to their colour.	2010 -11
11	Neetu	Study of some physic chemical properties of Siamee Cassia Seed`s oil.	2010 -11
12	Reetu	Study of some physic chemical properties of Mimosa Seed`s oil.	2010 -11
13	Pooja Verma	Synthesis of heterogeneous catalyst for the oxidation of butanol and cyclohexanol.	2010 - 11
14	Nidhi Sharma	Effect of substituents on the kinetics of oxidation of benzaldehyde by vanadium (V) in sulphuric acid medium.	2010 -11
15	Alka Harit	Synthesis of some benzimidazole derivatives.	2010 - 11
16	Kavita Yadav	Study of some physic chemical properties of Cassia Fistula.	2011 -12
17	Neha Jain	Study of some physic chemical properties of Semecarpus Anacardium.	2011 -12

18	Syma Nishat	Effect of substituent on the oxidation of benzaldehyde by QCC in acidic medium.	2011 -12
19	Kavita Rai	Physicochemical properties of oil seeds of Tulsi	2012 -13
20	Prachi Verma	Synthesis and characterization of some benzimidazole derivatives.	2012 - 13
21	Akanksha	Comparative study of physicochemical properties of leave extract of stevia and gurmar.	2012 - 13
22	Ram Mohan Singh	Synthesis of some nitro phthaleins and their physicochemical study	2013 -14
23	Famida Khan	Estimation of ruthoside trihydrate in Tephrosia – Purpurea through two analytical methods UV/ Vis spectroscopy a & HPLC.	2013 -14
24	Awdhesh Gautam	Synthesis of some new Heterocyclic compounds and their Bio evaluation.	2013 -14
25	Mohd Yunus lone	Evaluation of Physicochemical properties of Catharanthus roseus.	2013 -14
26	Afren Ansari	Transport Phenomena across biological membrane.	2013 -14
27	Priya Yadav	Study of chemical constituents of Medicinally impotent leguminous plant pithecellobium dulce.	2014 - 15

D. Administrative Responsibilities:

1. Recently working as coordinator B Sc Bio & Maths group, Institute of Basic Science.
2. Worked as B Sc **Coordinator** from 16/08/2005 to 06/01/2015.
3. Worked as Coordinator Polymer Science for two years from 28/09/2005.
4. Worked as Coordinator, Department of Chemistry from 21.09.2010 to 20.9.2010.
5. Worked as Coordinator, Department of Chemistry from 6.01.2012 for three years.
6. I was appointed as **First University Purchase Officer of Central Store** on 13.06.2006.
7. Conducting several examinations as center superintendent or assistant center superintendent since 2004.
8. Member of College inspection committee for jaloun District in July 2008.
9. Member of admission committee of Bundelkhand university Jhansi, 29 March 2010.
10. Member of functional Committee member ISO Certification and Quality Culture in 2014 (ISO 9001:2008).
11. Member of the Committee for visiting Lucknow and Kanpur District to collect the information regarding the B Ed entrance examination centers and Intake capacity of B Ed colleges.
12. Appointed as observer for Aligarh district to conduct the B Ed entrance Examination 2014
13. Appointed as **Deputy Nodal officer, Jhansi district** for **JEE B Ed** entrance examination 2021 conducted by Lucknow University.
14. Worked as member of committee, completing the tabulation charts of all university students in confidential examination section since last three years.

15. Appointed as a member of UFM committee for five years from 26/12/2014 to 30/06/2020.
16. In charge of SFS confidential section for maintaining the post evaluation answer books and their related work.
17. Appointed as a assistant proctor for six years 2011 to 2017.
18. Appointed as convener of evaluation committee for 2017.
19. Member of Tobacco and other related products control committee.
20. Appointed as nodal officer for conducting the entrance examination of university at Lucknow in 2010.
21. Member of affiliation Committee of Bundelkhand University.
22. Member of N P S scheme Committee of the University.
23. Appointed as observer of university for conducting various examinations in different cities.
24. Convener of flying squad of University for year 2021.

E. Book Publication:

One book is published: Instrumental method and Chemical analysis, 2022, Nitya Publication, Bhopal.

F. Research Publication:

1. A kinetic study of vanadium (v) oxidation of sulpha drugs – oxidation of sulphamethoxazole, **Kamlesh Bilgaiyan & Archna Pandey**, *Oxidation Communication*, **1999**, 22 (2), 268.
2. Kinetic and mechanistic aspects for the sulphadiazine oxidation by vanadium (v) in sulphuric acid medium **Kamlesh Bilgaiyan & Archna Pandey**, *Oxidation Communication*, **2001**, 26 (1), 113.
3. Kinetics and mechanism of oxidation of sulphur containing amino acids, **Kamlesh Bilgaiyan**, Mukti Namdeo & Archna Pandey, *Oxidation Communication*, **2004 (accepted)**.
4. Identification & estimation of Rutoside trihydrate (Rutine) in Hydrochloric extract of Tephrosia Purpurea ; A Spectrophotometric Approach, **Kamlesh Bilgaiyan**, Santosh Joshi and Famida Khan, *Eduved Int.I Journal of Interdisciplinary Research*, 2016, 3, 41 -43.
5. Effect of cetyltrimethylammonium bromide on the oxidation of Sulphanilamide by Quinolinium chlorochromate in perchloric acid medium, **Kamlesh Bilgaiyan** and Nidhi Agrawal, *Chemical Science Transactions*, 2018, 7 (1),
6. Miceller effect on oxidation of sulphapyridine in the presence of perchloric acid medium, **Kamlesh Bilgaiyan** and Nidhi Agrawal, *Oxidation Communication*, **2018**, 41 (1), 53-60..
7. Preparation and properties of AlN (Aluminum nitride) powder/thin films by single source precursor, Himanshi Chaurasiya, **Kamlesh Bilgaiyan**, Santosh Tripathi et al, *Royal Society of Chemistry, New Journal of Chemistry*, 2019, 43, 1900-1909.

8. Ethylene diamineAl(III)chloride: Potential precursor for preparation of AlN materials/thin films, Himanshi Chaurasiya, **Kamlesh Bilgaiyan**, Santosh Tripathi, Ceramics International, 45 (2019), 23772 – 23780.
9. Role of α - peltatin as a new cofactor of estrogen receptor interaction in the treatment of Ovarin Cancer, Manish Kumar Omar, **Kamlesh Bilgaiyan** and Satyendra singh, International journal of creative research thoughts, 2021 (9), 425 – 440.

G. Participation in Seminars and Conferences:

(I) Organized Seminars and Conferences:

Organized following seminars and conferences as member of organizing committee

1. **40th Annual Convention of Chemists**, an annual meeting of the Indian Chemical Society hosted by Bundelkhand University, Jhansi, from 23 to 27 Dec. 2003.
2. International conference on Recent Advances in Biomedical and Therapeutic Science (**ICRABTS 2004**) from 13 to 15 Jan. 2004, hosted by Bundelkhand University, Jhansi.
3. International conference on Recent Advances in Biomedical and Therapeutic Science (**ICRABTS 2005**) from 7 to 9 Jan. 2005 hosted by Bundelkhand University, Jhansi as Secretary.
4. Current advancement in Life Science (KEPLER 2009) 27 to 28 February 2009.
5. National conference on Emerging Trends in chemical Science (NCETC 2010) from 24 – 26 February 2010 as Co- Convenor.
6. Member of National Conference on Role of Bio Diversity in Sustainable Agriculture (RBSA - 2010) From 4 to 5 March 2010.
7. National Symposium on Geology and Mineral Resources of Bundelkhand Craton (GMRB 2010),
8. Co-convenor of Welcome Committee in inter University zonal youth festival organized by university from 19 to 23 November 2015.

(II) Presentation:

1. Presented a poster in International conference of **Indian Analytical Instruments Association (ANACON 98)** from 17-19 Dec 1998.
2. Presented a poster in **Indian Science Congress Association** from 3 to 7 Jan. 2000 held at Pune University, Pune.
3. Presented a poster in **Indian Science Congress Association** from 3 to 7 Jan 2001 held at PUSA, New Delhi.
4. Presented a paper in **National Research Seminar** from 3 to 7 Jan 1999 held at Satna (MP).

5. Presented a poster in International conference on **Recent Advances in Biomedical and Therapeutic Science** from 13 to 15 Jan 2004 held at Bundelkhand University.
6. Presented a poster in **International Conference CBISNF** from 21 to 27 Nov 2004 held at Vigyan Bhawan, New Delhi.
7. Participated in training workshop: Lead Educator capacity building in organizing Lead Awareness, on 5th November 2008. Hosted by department of Environmental science.
8. Presenting a paper in national Conference on Electron Microscopy and allied fields (EMSI 2009).
9. Participated as invited speaker in the National Symposium on Acoustics (NSA 2011) from 17 to 19 November 2011.
10. Attending Seven days Faculty Development programme held at Bundelkhand University from 1 to 7 September 2014.
11. Worked As joint Secretary in alumina Meet on 14 august 2016 of Bundelkhand University.
12. Presented a paper in International Conference on Recent advances in Material and Chemical Sciences, (ICRAMCS 2016), 2 to 5 March 2016.

H. Other Information:

I am highly dedicated to job, whatever assigned by university or department to me with a good coordination with teaching and non-teaching staff. I successfully established three well-equipped chemistry lab for U.G., P.G. and M Phil students. Further indulging to develop a research laboratory with modern and advanced instruments in the same university. Also conducted the various exams like entrance and University exams of various streams in coordination with seniors and juniors successfully. I always followed instruction and orders given to me time to time by the seniors and university and implemented them in successful manner.

Further, I assure you that, if I could get a chance, I shall not leave any stone unturned.

Dr Kamlesh Bilgaiyan
Assistant Professor,
Dept of Chem.
Bundelkhand University, Jhansi