


# KIRORI MAL COLLEGE

## FACULTY PROFILE PROFORMA

<b>First Name</b>	RAM	<b>Middle Name</b>	SUNIL KUMAR	<b>Last Name</b>	LALJI	<b>Photograph (attach below)</b>
<b>Title &amp; Designation</b>	ASSISTANT PROFESSOR					
<b>Address</b>	Department of Chemistry, Kirori Mal College, University of Delhi, Delhi					
<b>Phone Number</b>						
<b>Office</b>	011-27667861					
<b>Residence</b>						
<b>Email</b>	<a href="mailto:sunilkumarram1980g@gmail.com">sunilkumarram1980g@gmail.com</a>					
<b>Web-Page</b>	<a href="http://www.kmcollege.ac.in">www.kmcollege.ac.in</a>					
<b>Educational Qualifications:</b>						
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
JRF NET	UGC-CSIR				2004	
NET	UGC-CSIR				2002	
MSc	Smt. C H M College, University of Mumbai				2002	
BSc	Smt. C H M College, University of Mumbai				2000	
<b>Career Profile:</b>						
Working as an Assistant Professor, Department of Chemistry, Kirori Mal College since 28 <sup>th</sup> November 2005 till date.						
<b>Administrative Assignments:</b>						
a. Member Central Computer Committee 2010-2012 b. Member Hostel admission committee 2011 to 2015 c. Member , Prospectus Committee 2012 to 2014, 2016 d. Convener, Development Committee 2013 to 2015 e. Convener, Development and Maintenance Committee 2015 to 2016 f. Convener, Purchase Committee, Department of Chemistry, 2013 to 2015 g. Member, Standing Committee 2014 h. Convener, Canteen Committee 2014 to 2016 i. Convener, Portal Committee 2015-16 j. Coordinator, University Practical Examination April/May 2015 k. TIC, Department of Chemistry 2015-16 l. Coordinator-IQAC 2015-17 m. Programme Officer , NSS-KMC 2020-till date n. Member , Department Seminar Committee 2020-21 o. Member , Department Purchase Committee 2020-till date p. Convener, Seminar Committee 2021-till date q. Member , IQAC 2021-till date r. Member, Disability Research Centre, KMC 2021-till date						
<b>Areas of Interest / Specialization:</b>						
Organic Chemistry, Heterocyclic Chemistry						
<b>Subjects Taught:</b>						

1. Polynuclear and heteronuclear aromatic compounds
2. UV-Visible and infrared
3. Active methylene compounds Preparation
4. Carbohydrates
5. Amino Acids, Peptides and Proteins
6. Nucleic Acids Components of Nucleic acids etc

#### Research Guidance:

Guided 10 under-graduate students each as per the Innovation Projects sanctioned by University of Delhi during May 2012-July 2013 and another 10 under-graduate students during November 2013- July 2015.

#### Publications Profile:

##### a. Research Paper

**Lalji, R. S. K.,** Kumar, P., Gupta, M., Parmar, V. S., & Singh, B. K. (2020). Palladium-Catalyzed Decarboxylative Synthesis of 5H-Benzo[4,5][1,3]oxazino[2,3-a]isoindole-5,11(6aH)-Diones using 2-Phenyl-4H-Benzo[d][1,3]oxazin-4-Ones and  $\alpha$ -Oxo Carboxylic Acids. *Advanced Synthesis and Catalysis*, 362(3), 552–560. <https://doi.org/10.1002/adsc.201901142> Impact factor: 5.85

Jain, V. P., Chaudhary, S., Sharma, D., Dabas, N., **Lalji, R. S. K.,** Singh, B. K., & Jaiswar, G. (2021). Advanced functionalized nanographene oxide as a biomedical agent for drug delivery and anti-cancerous therapy: A review. In *European Polymer Journal* (Vol. 142). <https://doi.org/10.1016/j.eurpolymj.2020.110124> Impact factor: 4.39

#### Conference / Workshops/Training Organized:

1. Organized a seminar on 5th April 2013 on “Urban Heat Island, Agra under the Innovation Project KMC-108 sanctioned by the Delhi University, 2012-13.
2. Organized one day seminar on “Career Perspective in Current Trends” in Department of Chemistry, Kirori Mal College on 29<sup>th</sup> Sept. 2015.
3. Organized the 1<sup>st</sup> National Conference on “Emerging Trends and Future Challenges in Chemical Sciences” from 3 to 4 February, 2016 at Conference Centre, University of Delhi.
4. Organized National Webinar on “Emerging Trends and Future Challenges in Chemical Sciences (ETFC-2021)” from 4 to 5 March, 2021.
5. Organised webinars/workshops as Programme Officer, NSS-KMC 2020-till date as per the following:

NSS Founders Day	24th September 2020	Speaker Session
Vigilance Awareness Week	27th October - 2nd November 2020	Speaker Session, Competitions and Awareness Chain
National Unity Day	30th October 2020	Social Media Awareness
AASHAYEIN- JASHN-E-DIWALI	13th-20th November 2020	Awareness Drive, Competitions, Fun Activities, Community Connection Programs etc.
Constitution Day	26th November 2020	Preamble Reading
<i>Sangharsh</i>	29th and 30th November 2020	Speaker Sessions on Women Empowerment

Cancer Prevention and Clean Yamuna- Prevent Cancer	23rd January 2021	Webinar and Workshop
Public of Republic	26th January 2021	Speaker Session on Republic Day
Female Financial Literacy	29th January 2021	Speaker Session
NSS Orientation Programme	8th February 2021	Webinar
World Wildlife Day	2nd March 2021	Online Quiz
Women Conclave	8th & 9th March 2021	Webinar
Quit Tobacco Campaign	18th March 2021	Webinar and Workshop
Ambedkar Jayanti	6th - 13th April 2021	Competitions and Webinar
Covid Awareness	24th-30th April 2021	Awareness Videos; Lead Verification; Guidelines; Myth Breaking Posts etc.
Mental Health Workshop	16 <sup>th</sup> May 2021	Webinar and Workshop
Yoga Week	15th-21st June 2021	Online Yoga sessions and speaker session on IYG

#### Conference/Workshops/Training attended as Faculty Member:

Professional Trainings/ Refresher Courses Attended:

**2005-06** Member Organizing Committee on „Frontier Technologies in Chemical, Biological and Horticulture Sciences, Conference Centre, University of Delhi, Dec 20, 2005 organized by Department of Chemistry, Kirori Mal College.

**2006-07** a. One day seminar on Second Year chemistry Course of Restructured BSc Prog, Department of Chemistry, University of Delhi, November 11, 2006 b. Symposium of application of NMR to materials and medicines, November 21, 2006 at IIT Delhi c. National Seminar on “Metrology in Chemistry” (NPL Delhi); December 14, 2006.

**2007-08** Participated in national seminar on chemistry education and research in 21<sup>st</sup> century organized by Dyal Singh College, University of Delhi from Feb.7-8, 2008.

**2009-10** a. Participated in national workshop on role of analytical techniques in industry held on January 21-22, 2010 at conference centre and Kirori Mal College organized by Indian society of analytical scientists (ISAS) and Kirori Mal College, University of Delhi. b. Third National Symposium on Analytical Sciences (NSAS) on „Recent advances in Analytical Chemistry“ April 12-14, 2010 Himachal Pradesh University, Shimla.

**2010-11** Member Organizing Committee in National Seminar on „Role of Analytical Techniques in Biological and Environment Sciences held on Conference Centre and Kirori Mal College organized by Department of Chemistry, Kirori Mal College in association with ISAS and Petrotech Society of India January 27-29 2011, Conference Centre, University of Delhi, Delhi.

Completed 4 weeks UGC sponsored Orientation Programme (OR-63) from July 12, 2010 to august 7, 2010 organized by Human Resource Development Centre, Centre for Professional Development in Higher Education, University of Delhi, Delhi.

**2011-12** Participated in the International Symposium on recent advances in green chemistry and chromatographic science held from 12<sup>th</sup> to 14<sup>th</sup> January, 2012 at Manav Rachna International University, Faridabad.

**2012-13** Presented a poster entitled ‘Analysis of Cadmium metal in soil of roadsides of Delhi-NCR region and phytoremediation of Cadmium’ at Doon University, Dehradun

**2015-16** Organising Secretary to National Conference on Emerging Trends and Future Challenges in Chemical Sciences (ETFC) 3-4 February 2016, University of Delhi.

Participated in National workshop on recent trends in Biochemistry and Biotechnology, Desh Bandhu College  
21-22 April 2016

Completed 2 weeks MHRD sponsored GIAN Programme on X-Ray Structure Determination from May 12, 2016 to May 26, 2016 (with an A grade) organized by Department of Chemistry, Jiwaji University, Gwalior, Madhya Pradesh.

**2016-17** Attended International Conference on 'New Frontiers of Carbohydrate Chemistry and Biology'.

**2017-18** Presented a poster in International Conference on Advancing Green Chemistry: Building a sustainable 3-4 Oct  
Presented a poster in INSCR International Conference on Role of Microbe -Plant- Animal Interaction on  
Human Health, 26-28 Sep 2017.

Attended an IDC on E-Learning and Digital Learning, CPDHE, University of Delhi, 5-25 Sep 2017.

Participated in the WGB 1: National workshop on basic ICT skills for educators, GAD-TLC, SGTB Khalsa  
College, University of Delhi

Participated in the WGB 2: National workshop on subject specific ICT skills for Chemistry educators, GAD-  
TLC, SGTB Khalsa College, University of Delhi

**2018-19** Participated a workshop on 'Hands on experience in Advanced Spectroscopy on 9th Oct 2018, Dept of Zoology  
Kirori Mal College

Participated in Faculty Development Programme on Entrepreneurship under Department of Science &  
Technology from 3rd December to 17th December 2018 at NIESBUD, Noida Campus.

Participated in Faculty Development Programme on Entrepreneurship under Department of Science &  
Technology from 17th December to 31st December 2018 at NIESBUD, Noida Campus.

#### **2019-20**

Participated in 16-week online Refresher Course in Chemistry organized by SWAYAM, MHRD Feb 2020

Participated in 4-week online course on e-learning and digital Learning organised by SWAYAM, MHRD 7-31 Jan 2019

Attended a national workshop on e-Content Development at GAD-TLC SGTB Khalsa College on 17 Aug 2019.

#### **2020-21**

Completed Online Faculty Development Programme on "ICT: Instructional Design, Development Learning Analytics in  
held by Kirori Mal College IQAC and UGC Paramarsh.

Completed FDP on "Systematic Literature Review and Meta - Analysis" from 06 - 12 May, 2021.

Completed FDP on "OPEN SOURCE TOOLS FOR RESEARCH" from 08 - 14 June, 2020

Participated an International Webinar Lecture series FDP on "Non-Invasive Cancer Diagnosis And  
Prognosis"organised by Department of Biochemistry, Deshbandhu college, University of Delhi on 17th October, 2020

Participated in International Conference on Recent Developments in Health, Agriculture and Environmental Sciences 3-  
Feb 2021.

#### **2021-22**

Completed FDP on 'Computational Approach to Drug Discovery' (02nd August -07th August 2021), organised by  
Mahatma Hansraj Faculty Development Centre.

#### **Research Projects (Major Grants/Research Collaboration):**

1. Analysis of heavy metal content in soils and plants present near the road side and suggest the plants to be grown (near  
the road side of) in and around Delhi-NCR" Innovation Project sanctioned by University of Delhi. (2012-2013)

2. Socio-political and psychological causes of road traffic jam problems, their environmental and societal impacts and  
suggesting remedial measures for smoothing road traffic in Delhi-NCR" Innovation Project sanctioned by University of  
Delhi (2013-2015)

Awards and Distinctions:

1. Awarded best presentation for the Innovation Project KMC-207 under social welfare category , University of Delhi
2. Awarded the best poster at Indo-German workshop held on 5-6 April 2019, University of Delhi
3. Awarded the best poster at “Emerging Trends and Future Challenges in Chemical Sciences (ETFC-2020)

**Association with Professional Bodies:**

Life time member of GIAN ( Global Initiative of Academic Network) MHRD and INSCR

**Others:**

Today’s students prefer learning by doing. They like to be taught by digital pedagogy. So I ensure as I always do, to engage my students inside and outside the class-room activities. Paying regular visits to nearby laboratories and industries keeps them updated with the latest developments in research and thus motivates them. This shall continue. Further the aim has been to introduce the students with suitable role models so that they learn about interpersonal skills, ethics and social accountability along with their curricular activities to become better persons and future entrepreneurs and innovators who aren’t job seekers but job givers.

Apart from the above I aspire to take the following activities in the current session 2021-2022.

- 1.Organization of National/International seminar/webinar in coming months as convenor Seminar Committee and Programme Officer NSS.
- 2.Organization of Student’s visit to Research laboratory in online/offline mode to give them a glimpse of actual research laboratory to encourage students for their research endeavor.
- 3.Organization of student’s activities for various programmes, Department of Chemistry.
4. Organization of workshop for laboratory training of non-teaching staff in handling chemicals, reagent preparation and their roles and documentation.
5. Act as a catalyst to for the students to take up undergraduate research.

**RAM SUNIL KUMAR LALJI**