

## KAMLESH KUMAR

### Personal Details

**Name:** Kamlesh Kumar  
**S/o :** Ram Lakhan Yadav  
**Place:** Deoria (UP-274001, India)



### Objective

A self-motivated, highly enthusiastic student in pursuit of a challenging position in research field. Wish to be associated with an esteemed organization, which offer opportunities to make best use of my skills and empirical knowledge.

### Educational Qualification

**DOCTOR OF PHILOSOPHY:** Thesis submitted entitled “**Exploration of charge transfer complexes and IBX-TfOH for the controlled oxidation of alcohols**”

**MASTER OF TECHNOLOGY:** DELHI TECHNOLOGICAL UNIVERSITY, NEW DELHI  
*(formerly Delhi College of Engineering, new Delhi)*  
(**SUBJECT:** POLYMER TECHNOLOGY)  
(**PERCENTAGE:** 71.91, **YEAR OF PASSING:** 2015)

Title of the dissertation is “**synthesis of glycerol based novel monomer for nonisocyanate polyurethane**”

**BACHELOR OF EDUCATION (B.Ed.):** DDU GORAKHPUR UNIVERSITY, GORAKHPUR  
(**SUBJECT:** PHYSICAL EDUCATION)  
(**PERCENTAGE:** 64.50, **YEAR OF PASSING:** 2010)

**POST-GRADUATION (MSc):** DDUGORAKHPURUNIVERSITY, GORAKHPUR  
(**SUBJECT:** ORGANIC CHEMISTRY)  
(**PERCENTAGE:** 74.22, **YEAR OF PASSING:** 2008)

**GRADUATION (BSc):** DDUGORAKHPURUNIVERSITY, GORAKHPUR  
(**STREAM:** SCIENCE, **SUBJECT:** CHEMISTRY, INDUSTRIAL CHEMISTRY)  
(**PERCENTAGE:** 65.33, **YEAR OF PASSING:** 2006)

### Additional Qualification

- Qualified NET-JRF
- Qualified GATE

### Fellowship Awarded

- Awarded JRF, Emeritus Professor Scheme, DDU Gorakhpur University
- Awarded JRF at IIT Kanpur (UGC-JRF)
- Awarded MHRD Fellowship for MTech at Delhi Technological University (*formerly Delhi College of Engineering, new Delhi*) (GATE)

## Linguistic Proficiency

- ENGLISH
- HINDI

## Research Experience

- Worked at IIT Kanpur as **Junior Research fellow**
- Worked at Delhi University for MTech Thesis Experimental work under supervision of [Prof. Diwan. S. Rawat](#), Department of Chemistry, University of Delhi.

## Professional skills

- Expert in handling air sensitive chemical reagents such as **Grubb's catalysts, Wittig reagents, Grignard Reagents** and pyrophoric reagents such as *n*-Butyl lithium, DIBAL-H, LiAlH<sub>4</sub>, NaH etc.
- Expert in purification of organic compounds using **column chromatography, Radial chromatography & Flash chromatography**.
- Familiar with separation of enantiomers using **HPLC**.
- Experience in identification of organic molecules using **IR, NMR, Mass Spectrometry**.
- Experience in handling **UV spectrophotometer**.
- Experience in handling the instruments for Soft material testing like **UTM, DSC, TGA, MFI**, Abrasion tester, Injection molding machine, Opacity Tester.
- Experience in handling **SEM, TEM** for surface and internal morphology of polymeric material.
- Expert in using web-based search tool **Sc-finder** and drawing software **ChemDraw**.

## Research Publication

- A Route to 2-Alkenyl-3-(*tert*-butyldiphenylsilyl)amines and Application to the Construction of a Tricyclic Ring System. *Eur. J. Org. Chem.* **2013**, 4163–4174.
- IBX-TfOH mediated oxidation of alcohols to aldehydes and ketones under mild reaction conditions. *Tetrahedron Lett.* **2020**, 61(15), 151749.

## Administrative Experience

- Worked as President of VVS Hostel, Delhi Technological University, New Delhi (From August 2014 to 31<sup>st</sup> July 2015).

## Contact details

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