

UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY
PANJAB UNIVERSITY, CHANDIGARH - 160014

1. **Name** : Anil Kumar
2. **Designation** : Assistant Professor
3. **Date of Birth** : 5th August , 1984
4. **Contact Number** : +91 9501100424
5. **E-mail id** : akumar13@pu.ac.in
6. **Main area of work** : Organic Chemistry/Synthetic Organic Chemistry
7. **Educational background**



Degree	Institute Name	Year of Passing
B.Sc. (Medical)	SCD Govt. College, Ludhiana	2005
M. Sc. (Chemistry)	Sanmati Govt. College of Science Education & Research, Jagraon, Ludhiana	2007

8. **Professional background**

Designation	Institute Name	Duration
CSIR-JRF	Chemistry Department, Panjab University, Chandigarh	July 2010 - June 2012
CSIR-SRF	Chemistry Department, Panjab University, Chandigarh	July 2012- Feb 2013
Assistant Professor	UIET	2013 onward

9. **Scientific contribution:**

Papers published in International Journal	03
Participation in International/ National Conferences/symposium etc.	13

10. **Highlights of Research work:**

Research work mainly includes the introduction of fluorine atom into organic substrates by electrophilic and nucleophilic fluorination methods. The nucleophilic substitution reactions of α -hydroxyketones have also been a part of our research work toward the development of newer methods to synthesize α -functionalized ketones. The nucleophilic substitution of hydroxyl group in α -hydroxyketones has been achieved by using triethylsilane (TESH), azidotrimethyl silane (TMSN_3), arenes (Ar) and heteroarenes (HetAr) as nucleophiles.

11. **Award/Honours/Fellowships etc.:**

- i. CSIR-JRF fellowship from 2010-2012
- ii. CSIR-SRF fellowship from 2012-2013
- iii. Awarded Rajiv Gandhi National Fellowship (RJNF-2011) by UGC, New Delhi.
- iv. Awarded with best oral presentation in 5th Chandigarh Science Congress (CHASCON-2011) organised by Panjab University, Chandigarh.