




# UNIVERSITY OF KOTA KOTA

## Faculty Profile

<b>Title</b>	<b>Mr.</b>	<b>First Name</b>	<b>Ankit</b>	<b>Last Name</b>	<b>Sharma</b>	<b>Photograph</b>
<b>Designation</b>	Assistant Professor					
<b>Address</b>	Department of Pure & Applied Chemistry M.B.S Marg, Near Kabir Circle, University of Kota, Kota-324 005 Rajasthan, India					
<b>Phone No.</b>	+91-744-2471742 (Office), +919460005571 (Mobile)					
<b>E-mail</b>	<a href="mailto:ankit@uok.ac.in">ankit@uok.ac.in</a>					
<b>Educational Qualifications:</b>						
<b>Degree</b>	<b>Institution</b>				<b>Year</b>	
<b>Ph.D.</b>	Department of Pure and Applied Chemistry, University of Kota, Kota				(Pursuing)	
<b>Title of Ph.D. Thesis:</b> <b>Designing and Development of Surface Functionalized Fly Ash Reinforced Polyurethane and Epoxy Composites for Bulk Utilization.</b>						
<b>M.Sc. (Chemistry)</b>	Department of Chemistry, Govt.College Kota (University of Kota)				<b>2004</b>	
<b>Career Profile:</b>						
Teaching Experience: <b>08</b> Years						
<b>Previous Employment</b>						
<ul style="list-style-type: none"><li>○ <b>ISRO</b> (Scientist SC) Vikram Sarabhai Research Centre, Trivandrum, Kerala.</li><li>○ <b>ONGC</b> (Executive Chemist) C2-C3 Plant, Bharuch, Vadodara.</li><li>○ <b>Govt.Engg.College.</b> (lecturer), Bharatpur, Rajasthan</li><li>○ <b>RSEB</b> (Jr. Chemist) Dholpur, Rajasthan</li></ul>						
<b>Job Responsibilities:</b>						
<b>At University level :</b>						
<b>2012-13.</b>						
<ul style="list-style-type: none"><li>• Member of core committee of Student's Union election 2012.</li><li>• Member of Refreshment distribution Committee for organizing prize distribution ceremony and annual function on 09 April 2013</li><li>• Member of Lap-top distribution committee for toppers students.</li><li>• Member of Invitation, distribution and Enquiry Committee of II Convocation.</li><li>• Member, various committees during UGC 12B visit at University of Kota, Kota</li></ul>						
<b>2013-14</b>						
<ul style="list-style-type: none"><li>• Scrutinizer for revaluation work exam-2013</li><li>• Member of Poling Party of Student's Union election -2013.</li><li>• Member of Invitation Committee for Academic building Inauguration on 22.09.2013.</li><li>• Member of Stage arrangement and purchase committee of a folk dance and celebrity programme on 10.03.2014 from 1:00 pm to 06:00 pm.</li><li>• Member of Monthly progress report of University to the Governor House.</li><li>• Member of committee to attain meeting with NAAC Directors at Central University, Rajasthan.</li><li>• Member of press and media committee of National Seminar on Environmental- Organized by the</li></ul>						

**2014-15**

- Member of Poling Party of student's union election-2014..
- Member of Anti-Ragging Cell for the session 2014-15.
- Member of Placement Cell, for session 2014-15.
- Inspection of various colleges for the session 2014-15.
- Member of Professional Admission Committee.
- Member of conducting grade IV examination of University of Kota, Kota for recruitment of IV grade (10/10/2014-12/10/2014).
- Member of conducting LDC computer examination of University of Kota, Kota for recruitment of LDC.
- Member of record collection committee for "Sarkar aapke dwar"
- Member of UGC-NET exam-Dec.2014 for smooth conducting of Exam.
- Physical Verification of Department of Estate, UOK, Kota.
- Member-University Flying Squad Committee-2014.

**2015-16**

- Member of Banners, Invitation cards and gate pass printing and distributing committee of one day cultural programme of Student's union-2016"Tarang-2016" 09May 2016 06pm to 9:30 pm.
- Member of Preparation, publication & display of voter list and Poling Party committee of student's union election-2015.
- Member of main door entry and exit committee for one day cultural programme of Student's union-2016"Tarang-2016" 09May 2016 06pm to 9:30 pm.
- Member of reception and escort committee for smooth functioning of Orientation Programme/Refresher Courses of the UGC-HRDC, Jodhpur.
- Team member of Degree Verification committee for the year 2010 to 2014.
- Official In charge (OIC) of University Guest house.
- Convener of paper scraps disposal committee.
- Member of Invitation, distribution and Enquiry committee of III convocation
- Member of transportation & Finance Committee for the conference Indian Society of Agricultural Statistics Dec.,14-16,2015 University of Kota, Kota

**2016-17**

- Assistant Center Superintendent of Ph.D. entrance test-2016
- Member of Poling Party for the student's union election-2016.
- Member of Tent, Light, Mike, Photography, Videography and memento arrangement committee.
- Member of Placement and Counseling cell.
- Official In charge (OIC) of Guest house.
- Convener of paper scraps disposal committee.
- Member of printing committee of IV convocation.
- University representative for BSTC exam-2017(Centre: Pratapgharh)
- Member of University Kulgeet preparation committee.
- Member of Degree Inspection Committee.
- Member-NAAC conducting Committee.
- Member-Scrutinizer for revaluation work exam-2012, 2013,2014,2015,2016.

**At Departmental level:**

**2012-13**

- Committee Member of bifurcate and renew existing syllabus of M.Sc. Industrial Chemistry.

- Member of student Seminar conducting committee.
- Departmental Admission In-charge for the session 2012-13.
- In charge of departmental co-curriculum activities and external correspondences
- Indo-Swedish Symposium on “Strategic Knowledge on Climate Change”.

#### 2013-14

- Member of inspection, stock Entry and verification of Purchase items committee of DPAC
- Member of Civil and Electrical repairing monitoring committee.
- Member of Technical specification committee for purchase of various instruments.
- Member of Departmental Admission Committee for the session 2013-14
- 5<sup>th</sup> National Academic Workshop-2013 on “Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences” - Organized by the Department of Pure & Applied Chemistry, University of Kota, Kota

#### 2014-15

- Industrial visit of M.Sc. Students at Pesticide India Company, Udaipur.
- Faculty In charge of storage room for chemicals, Glasswares & General Items.
- Member of departmental admission committee for the session 2014-15

#### 2015-16

- Faculty In charge to lead the student to attend interview at Coromandal Company, Kota
- Departmental Lab incharge-117
- Member of departmental Placement and Counseling cell
- Department Admission In-charge session 2015-16.
- Faculty-In charge, FT-IR and ATR in the Centre for Analytical Instrumentation Facility (CAIF)

#### 2016-17

- Department Admission In-charge session 2016-17.
- Member of Departmental Purchase committee.

#### Area of Research Interest/Specialization:

**Polyurethane , epoxy , PVA and other polymeric matrix based composites, and Corrosion study.**

#### Subject/Papers Taught:

- |                             |                         |
|-----------------------------|-------------------------|
| • Group Theory              | • Stereochemistry       |
| • Spectroscopy              | • Pericyclic reactions, |
| • Organic Reaction Mechanis | • Photochemsitry        |

#### Research Guidance:

#### Research Projects: 01

S. No.	Title of Project	Amount (in INR)	Funding Agency	Duration
1.	The Study of Mechanical, Electrical, and Thermal Properties of CNT-Reinforced Polyurethane Composites Using Aliphatic, Aromatic and Bio-based Binders for Innovative Materials in Space Application	02 lakh	UGC, New Delhi	02 Years

#### Publication Profile:

(a) Research Papers published in Refereed/Peer Reviews Journals:

1. **“Bio-transformation of Prochiral Ketones to pharmaceutically used Chiral Alcohols by Baker’s Yeast”** Sushil Kumar Sharma, Ankit Sharma, *Int .J. of Innovative Res, in Sci, Engg. & Tech*,2016, 5(12),20660-20663.

**(b)Book Edited:**

S. No.	Name of all Authors	Title of the book	Name of the Publisher	Year	ISBN
1	Dr.Sushil Kr.Sharma Mr.Ankit Sharma	Natural Products, Heterocycles, Biogenesis and Spectroscopy	Vardhman Mahaveer Open University, Kota	2015	818496545-1
2	Mr.Ankit Sharma Sh. Ravi Gupta Dr.Anuradha dubey Dr. Harish Sharma	(M.Sc.CH- 04)Spectroscopic techniques, mathematics, biology and computers for Chemist.	Vardhman Mahaveer Open University, Kota	2014	

**(c)Books Chapters:**

S. No.	Title of the Chapter	Name of all Authors	Title of the book	Name of the Publisher	Year	ISBN
1.	19F and 13P NMR Spectroscopy : Chemical Shift, Spin- Spin Coupling	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-08) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 45-1
2.	Optical Rotatory Dispersion (ORD) and Circular Dichorism (CD)	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-08) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 45-1
3.	Two Dimension NMR Spectroscopy : COSY,NOES Y, DEPT, INEPT, APT, INADEQUAT E techniques.	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-08) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 45-1
4.	Carbon-13 NMR SpectroscopyII	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-08) Vardhaman Mahaveer	Vardhman Mahaveer Open University, Kota	2015	8184965 45-1

			University Open University ,Kota			
5.	Carbon-13 NMR Spectroscopy I	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-08) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 45-1
6.	Conformation of disubstituted molecules	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-06) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 43-5
7.	Conformation of some cyclic molecules	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-06) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 43-5
8.	Photochemistr y of Aromatic compounds	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-06) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 43-5
9.	Analysis of Cycloaddition reactions.	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-06) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 43-5
10.	One Group C- C Disconnection	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-07) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 44-3
11.	Disconnection	Ankit	M.Sc. (Final)	Vardhman	2015	8184965

	Approach	Sharma	Organic Chemistry (Msc,CH-07) Vardhaman Mahaveer University Open University ,Kota	Mahaveer Open University, Kota		44-3
12.	Reduction of carbonyl and carboxylic group	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-07) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 44-3
13.	Oxidation of Carbonyl and Carboxylic system.	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-07) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2015	8184965 44-3
14.	Electronic Spectra	Ankit Sharma	M.Sc. (Final) Organic Chemistry (Msc,CH-01) Vardhaman Mahaveer University Open University ,Kota	Vardhman Mahaveer Open University, Kota	2014	

### Conferences/Symposia/Workshops:

#### (a) Participation as Paper/Poster Presenter:

1. National Symposium on "Modern Trends in Chemistry"-MTC-2013. March 21-23,2013, Department of Chemistry,M S University of Baroda, Vadodara, Gujrat.
2. "Innovations in Composites for General Purpose to High End Applications" Feb.,17-17,2015, University of School of Basic &Applied Sciences, Guru Gobind Singh Indraprastha University, Dwarka, New Delhi
3. UGC-Sponsored National Conference on Modern Trends in Chemical Sciences, January 30-31<sup>th</sup> 2016, Department of Chemistry, Mohan Lal Sukhadia University, Udaipur.
4. National Seminar on Recent Trends in Chemical Research, February 05-07<sup>th</sup> 2016, Department of Chemistry, Jai Narayan Vyas University, Jodhpur.
5. International Conference on Frontiers at the Chemistry-Allied Sciences Interface, April 25-26,2016, Department of Chemistry,University of Rajasthan, Jaipur.
6. "Third Rastriya Hindi Vigyan Sammelen ", Dec.,16-17,2016, At University of Rajasthan

#### (b) Participation Only:

1. Indo-Swedish Symposium on "Strategic Knowledge on Climate Change" organized by Department of Pure & Applied Chemistry, UOK, Kota and Center for Climate Science & Policy Research, Linkoping University, Sweden on 09-10-2012.
2. Socio-Legal Issues and Challenges of Female Foeticide and Infanticide in India organizes by

- Women Cell, University of Kota, Kota from 4 -10-2013 to 5-10-13.
3. Workshop on Intellectual Property Rights organized by Department of Commerce & Management, University of Kota, Kota on 20-11-2013.
  4. Symposium on E-Resources organized by Department of Library and Information Science, University of Kota, Kota 16-12-2013 & 17-12-13.
  5. Symposium on “Drug Abuse Prevention Awareness” jointly organized by National Service Scheme, University of Kota, Kota and Sponsored by National Institute of Social Defense on March 03, 2017.
  6. Author Workshop jointly organized by Springer Nature and University of Kota, Kota on March 02, 2017

#### **Conferences/Symposia/Other activities Organized:**

- ❖ Member, Organizing Committee of the UGC sponsored 5<sup>th</sup> National Academic Workshop on “Organic Reaction Mechanisms & Analytical Techniques used in Chemical Sciences” during October 21-25, 2013 in the Department of Pure & Applied Chemistry, University of Kota, Kota.
- ❖ Member, Organizing Committee of the ICSSR sponsored National Seminar on “ Administrative Culture in India : Transparency and Accountability” during Feb., 20-21, 2015 in the Department of Social Science, University of Kota, Kota.
- ❖ Member, Organizing Committee of 69<sup>th</sup> Annual Conference of ISAS during 14-16 December, 2015 at University of Kota, Kota.

#### **Invited Lecture Delivered:**

- (i) Invited lecture delivered in the “Course Work of Ph.D. programme in the Science on **Jan., 2013** at the University of Kota, Kota (Rajasthan).
- (ii) Resource Person in the workshop on “Question Repository for Chemistry.” On **Feb., 08-10<sup>th</sup>, 2014** organised by School of Science & Technology, Vardhman Mahaveer Open University, Kota, (Raj.)

#### **Orientation/Refresher Courses Attended:**

- General Orientation Course (GOC-87) Organized by Academic Staff College, University of Rajasthan, Jaipur from May, 13 to June, 8 2013.
- Refresher Course in Chemistry, Organized by the Department of Chemistry, Guru Jambheshwar University of Science and Technology, Hisar, Haryana from April, 24 to May 14, 2014.
- 5<sup>th</sup> National Academic Workshop-2013 on “Organic Reaction Mechanisms and Analytical Techniques used in Chemical Sciences” Organized by the Department of Pure & Applied Chemistry, University of Kota, Kota, from October 21 to 25, 2013.
- Workshop on Question Repository (Chemistry), Organized by Vardhaman Mahaveer Open University, Kota from February 08 to 10, 2014.
- ISRO Induction Training programme, IITP-22, 15.11.10 to 21.02.11, ISRO, VSSC, Trivandrum, Kerala.,
- Graduate trainee Induction training Programme, 02.02.09 to 21.08.09, ONGC Academy, Dehradun.
- Fire Team Member Course, 23.11.09 to 27.11.09, IPSHEM, ONGC, Goa,

#### **Award/Fellowship:**

- **Active Learner Award-2009(ONGC academy Dehradun)**
- **Professional Speaker Award-2009 (ONGC academy Dehradun)**

#### **Memberships of Academic/ Professional bodies:**

- Life Member of Indian Chemical Society, Kolkata. F/7805(LM)
- Life member of HEMCE (High energy material conference and exhibit)