

# Curriculum Vitae

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## Abdul Haleem Wani

Assistant Professor

Department of Chemistry, Government Degree College Kulgam,  
Kashmir, Jammu and Kashmir Higher Education Department

haleemwani@gmail.com

(M) +91-9797676751, +919149593460



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**Professional Overview:** Assistant Professor of Chemistry with areas of competence in Synthetic Organic chemistry, Natural Product Chemistry, Organic Spectroscopy.

### **Teaching: 11 years of teaching experience; Courses Taught**

- Organic Spectroscopy-UV, IR and NMR spectrometry (Postgraduate Level)
- Organic Photochemistry and Pericyclic Reaction (Postgraduate Level)
- Mechanistic Study of Organic reactions (Postgraduate Level)
- Stereochemistry (Postgraduate Level)
- Mechanistic Study of Molecular Rearrangements (Postgraduate Level))
- Chemistry of Natural Products (Postgraduate Level))
- Medicinal Chemistry (Postgraduate Level))
- Chemical applications of Group Theory (Postgraduate Level)
- General Chemistry (Undergraduate Level)
- Laboratory Course (Postgraduate Level))
  - Multistep synthesis of drugs/ organic compounds involving name reactions
  - Extraction/Estimation of Organic compounds from natural sources
  - Column Chromatography
  - Spectrophotometric estimation
  - Separation, Purification and Identification Techniques
  - Quantitative Estimation of Organic Compounds

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### **Generic/Open Elective Courses Floated:**

Course content prepared, defended in Board of Studies of University of Kashmir and Cluster University Srinagar and taught to the P. G students of other subjects at Sri Pratap College, Srinagar. A number of students from Department of Environmental Science, S P College, Institute of Advanced Studies in Education, Amar Singh College etc. joined the course as a part of their post Graduate Programme under CBCS.

- Food Chemistry: Course for the students of P. G. 1<sup>st</sup> Semester
- Chemistry in Everyday Life: Course for the students of P. G. 2<sup>nd</sup> Semester
- Biomolecules Course for the students of P. G. 3<sup>rd</sup> Semester
- Bio-Organic Chemistry Course for the students of P. G. 4<sup>th</sup> Semester

### **Research Experience: O1 Year Research experience at Indian Institute of Integrative Medicine, Jammu**

#### **Research Fields:**

- Synthesis of Natural product analogues and their spectroscopic characterization
- Extraction, Isolation, quantification and characterization of natural products

#### **Publications:**

1. Book Titled 'Organic Chemistry Communicator, Volume I- IUPAC Nomenclature, ISBN No:978-93-91995-12-6 in the year 2021.
2. Publications: International Journals: 02 (List Attached)
3. Abstracts/Paper presentation in Conferences and Seminars: 02 (List Attached)

### **Contribution Towards Institutional Development: Participation in Academic and Administrative Committees**

At S P College Srinagar		
i.	Member IQAC	2013-2019
ii.	Member NAAC Steering Committee	2016-2019

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iii.	Member Board of Departmental P. G. Syllabus Committee	2015-2019
iv.	Member BOS Cluster University Srinagar	2017-till date
v.	Member Debates and Cultural activities committee	2017- 2018
vi.	Member Research Committee	2010- 2011
vii.	N. S. S. Programme Officer	2015-2017
viii.	Member School Adoption Committee	2015-2016
ix.	Member scholarship and Financial aid Committee	2019
x.	Member, Hostel Advisory Committee	2012 to 2019
<b>At GDC Kulgam</b>		
xi.	Member Financial aid/ Scholarship Committee	2020 – 2021
xii.	SC/ST/OBC Redressal Committee	2020 – till date
xiii.	Member Faculty empowerment Cell	2021- till date

### 1. Administrative Responsibilities

i.	S. P College Hostel	Hostel warden	Sep 2012-Aug 2019
ii.	National Service Scheme	Programme Officer	2015-2017
iii.	National Interdisciplinary Science Conference “Science for Sustainable Development-2016”, held at S. P. College, Srinagar	Member, Organizing Committee	26-27 <sup>th</sup> February, 2017
iv.	National Interdisciplinary Science Conference “Recent Research Trends in Chemical and Environmental Science-2015, held at S. P. College, Srinagar	Treasurer/Member Organizing Committee	18-19 <sup>th</sup> August, 2015
v.	AICTE_JKPMSSS Workshop, SKICC Srinagar	Member, Organizing Committee	22 <sup>nd</sup> February, 2017

**2. Professional Developments**

i.	Online refresher course in basic sciences, organised by UGC-HRDC, Jamia Millia Islamia, New Delhi	Participant	October 05 to October 21, 2021
ii.	Online refresher course in Chemistry organised under Ministry of Education's Annual Refresher Programme in Teaching (ARPIT) by SGTB Khalsa College, University of Delhi.	Participant	December 1 to March 31st, 2021
iii.	FDP on 'Managing Online Classes and Co-creating MOOCS 3.0' Organised by Teaching Learning Centre, Ramanujan College College, University of Delhi under the aegis of <i>MHRD Pandit Madan Mohan Malviya National Mission on Teachers and Training</i>	Participant	July 25 to Aug 10, 2020
iv.	Two Days Faculty Development Workshop on 'Role of ICT in Education' Organised by Department of Computer Application and Seminar Committee, GDC Kulgam.	Participant	Mar 10 to Mar 11, 2020
v.	STEM Teacher Training Workshop on 'Research Based Pedagogical Tools' at Kolkata, West Bengal Sponsored Jointly by Department of Biotechnology, GOI, the British Council and Centre of Excellence in Science and Mathematics Education (CoESME), IISER Pune, Conducted by Team of Experts from Sheffield Hallam University, UK.	Participant	Sep 23 to Sep 26, 2018

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vi.	Refresher Course organised by UGC-Human Resource Development Centre, university of Kashmir, Srinagar	Participant	Dec 16 to Dec 30, 2019
vii.	Special Winter School Refresher Course organised by UGC-Human Resource Development Centre, university of Kashmir, Srinagar	Participant	Feb 11 to Mar 02, 2016
viii.	Four Week Orientation Course Organised by UGC-Academic Staff College, Jawaharlal Nehru University.	Participant	Feb 06 to Mar 02, 2012

### **Discipline related, Co-Curricular and Extension Activities:**

#### **I. Study Visit Tours with Students**

##### **➤ Local Tours (With P. G. Students)**

- i. Gulmargh for Medicinal Plant Collection with P. G. Students-2014
- ii. Yarikha, IIIM Filed Station, for study of various Medicinal and Aromatic Plants -2015
- iii. Yousmarg for Medicinal Plant collection with PG students- 2016
- iv. Gulmargh for Medicinal Plant Collection with P. G. Students-2017
- v. Doodhpathri for Medicinal Plant collection with PG students- 2019

#### **II. Co-Curricular Activities**

- i. Active member of school adaption committee, adopted some government schools and served to give them a good exposure of modern education

#### **III. Extension Activities:**

- i. AICTE-JKPMSS Special Officer 2015: Acted as a special officer during the counselling session held at Amar Singh College, Srinagar
- ii. AICTE-JKPMSS Special Officer 2014: Acted as a special officer during the counselling session held at Sri Pratap College, Srinagar

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- iii. Acted as Observer for Conduct of Examinations by AICTE and National Testing Agency (NTA) like GMAT, CPAT, NET, NEET, JEE etc. Since 2016 Till Date.

### List of Publications

1. Salicylic acid to decrease plant stress, Abdul Basit Wani, Hemlata Chadar, Abdul Haleem Wani, Simranjeet Singh, Niraj Upadhyay; Environmental Chemistry Letters, 15(1), 2016.
2. Stereoselective Conversion of Dihydropyran and Glycals to 1-Azido-2-halo Derivatives Using NIS/NBS-TMSN<sub>3</sub>, Syed Khalid Yousuf, Altaf Hussain, Deepak Kumar Sharma, Abdul Haleem Wani, Baldev Singh, Debaraj Mukherjee & Subhash C. Taneja, Journal of Carbohydrate Chemistry, 30(2), 2011, 61-74

### **Conference/ Workshops**

1. Attended One Day State Level Seminar on “Chemistry in the Service of Mankind” Organised by the Department of Chemistry, Sri Pratap College, Srinagar on 17<sup>th</sup> October. 2011 in Commemoration of *International year of Chemistry 2011*.
2. Presented a paper in Two Day UGC Sponsored State Level Seminar on “Medicinal Plants: Current status and Future Prospects” Organised by Department of Botany, Islamia College of Science and Commerce, Srinagar from 14<sup>th</sup> to 15<sup>th</sup> March, 2012.
3. Attended national Seminar on ‘Natural Resources of North Western Himalayas: Threats Evaluation and Conservation, Organised by Department of Environment and Water Management, Department of Geography and Geology, Sri Pratap College, Srinagar from 26<sup>th</sup> to 27<sup>th</sup> March, 2014.
4. Attended National Interdisciplinary Science Conference “Recent Research Trends in Chemical and Environmental Science Organised by Department of Chemistry, Department of Environmental Sciences, and Department of Environment & Water Management, Sri Pratap College, Srinagar from 18<sup>th</sup> to 19<sup>th</sup> August, 2015.
5. Presented a Paper in National Interdisciplinary Science Conference, SSD-2016 on the theme “Science for Sustainable Development”, held at S. P. College, Srinagar Organised by Department of Environment & Water Management, Department of Environmental Sciences and Department of Geology from 25<sup>th</sup> to 26<sup>th</sup> February, 2017.

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## Academic Credentials

2020	Pursuing Part Time PhD at Department of Chemistry, National Institute of Technology, Srinagar, J&K
2006-2007	Masters Degree in Chemistry from University of Kashmir, Srinagar (67%)
2003-2005	Bachelor of Science, from University of Kashmir, Srinagar, India (60%)
2000-2001	Intermediate, from Jammu and Kashmir State Board of School Education
1998-1999	High School from Jammu and Kashmir State Board of School Education

## Achievements and Skills

- Qualified the Joint UGC-CSIR National Eligibility Test Held in June 2008 and June 2009.
- Handling of analytical instruments like UV-Visible Spectrophotometer (Perkin Elmer, Shimadzu), FT-IR (Perkin Elmer Model).
- Interpretation of spectral data (UV-Visible, IR, H1-NMR, C-13 NMR, two dimensional NMR and Mass) for characterization of molecular structure.
- Different chromatographic techniques like GLC, HPLC, Column chromatography, thin layer Chromatography and preparation of TLC plates.
- Probability analysis, ANOVA analysis
- Proficient in latest softwares related to chemical analysis and chemistry drawing, Such as *ISIS Draw 2.4*, *Chem draw*, *ACD-labs Sci-finder*, *Origin*, *Materials Studio*.
- Preparation of Research reports and manuscripts.
- Capable of collaborative and independent research.
- Team work and leading; maintaining good interpersonal relationships.

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### **Personal Details:**

Father's Name: Mr Abdul Gani Wani  
Mother's Name: Mrs Fatima  
Permanent Address: Village Malik Gund Thesil Shopian, Dist. Shopian, Jammu and  
Kashmir-192303  
Present Address: Raj Bagh, Srinagar  
Date of Birth: January 30, 1985  
Sex: Male  
Nationality: Indian  
Languages known: English, Urdu, Kashmiri

**Declaration:** I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date:

Place: Srinagar, Jammu and Kashmir

Abdul Haleem Wani