

## Curriculum Vitae

**Dr. JAMSHED HASHIM**  
Assistant Professor  
(HEJ Research Institute of Chemistry)



**Profession** : **Organic Chemist**  
(Analytical Chemistry skills)

**Date of Birth** : 24-05-1978

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**Office Address** : Lab. No. 310, HEJ Research Institute of Chemistry, International Center For Chemical & Biological Sciences (ICCBS), University of Karachi, Karachi-75270, Pakistan

**Post Graduate Experience** : 10 years Post graduate professional/Research experience

**Area of Research:** Synthetic Organic Chemistry

### **Current Research Interest:**

- Microwave Assisted Organic Synthesis of Heterocycles
- Designing and application of new ligands
- Macromolecule Synthesis

### **Previous Projects:**

Carbon-Carbon coupling, Carbon-Phosphorous coupling & Carbon-Oxygen coupling reactions

### **Education and Academic Research Experience:**

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- **Postdoctoral research** on the synthesis of bio-active heterocycles 2008-2009  
Christian Doppler Laboratory for Microwave Chemistry (CDLMC)  
Karl Franzens University of Graz, Austria (Prof. C. Oliver Kappe)
- **Ph.D. studies** on the synthesis of quinolone/bisquinolone derivatives 2004- 2008  
Karl Franzens University of Graz, Austria (Prof. C. Oliver Kappe)
- **Research Assistant** working on anti-epileptic compounds from 2003  
Delphinium plant species at HEJ Research Institute of Chemistry  
University of Karachi, Pakistan (Dr. Farzana Shaheen)

- **M.Sc.** (Karachi University) (Ist Division) 2000- 2002
- **B.Sc.** (Karachi University) (Ist Division) 1997- 1999
- **H.Sc.** (Karachi Board) (Ist Division) 1995- 1996
- **Matric** (Karachi Board) (Ist Division) 1984-1994

### **Industrial Experience:**

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- **Quality Control Analyst-III** at Fauji Fertilizer Bin Qasim Ltd. 2001-2004  
Quantitative analysis for Gas turbine/ DAP/ Urea/ Ammonia plants, Demineralized/Chilled water plants, Packing materials
- **Apprenticeship course** at Fauji Fertilizer Bin Qasim Ltd. 1999-2001  
Quantitative analysis

### **Publications:**

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**Co-author of 5 high ranked international publications (C.I.F. 18.34).**

For complete list pl. visit the following link:

<http://www.iccs.edu/update%20web/Dr.%20Jamsheed/Publications.pdf>

### **Instruments Expertise:**

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- **Dedicated microwave instruments** from all major manufacturers (e.g. CEM, Biotage, Anton Paar, and Milestone)
- **Biotage SP1™ Purification System** (Flash)
- **Analytical Instruments** (e.g. Luminescence/ UV-Visible Scanning Spectrophotometer , Atomic Absorption, GC, Karl Fischer Titrator)

### **Initial Supervision to PhD Co-workers:**

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4 PhD Co-workers initially trained for Organic Synthesis and 2006-2007  
Microwave Instruments at Karl Franzens University of Graz, Austria

### **Initial Supervision to Industrial Co-workers:**

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Junior Apprentices initially trained for Analytical methods 2002-2004  
at Fauji Fertilizer Bin Qasim Ltd.

### Poster:

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**Poster** presented in MAOS (Advances in Microwave-Assisted Organic Synthesis) 2006  
Budapest, Hungary. Available online:  
<http://mms.technologynetworks.net/posters/0199.pdf#search=%22kappe%22>  
<http://www.microwavesynthesis.net/index.aspx?ID=76046>

### Conferences:

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- 1) **9<sup>th</sup> International Symposium on Natural Product Chemistry** 2004  
Karachi, Pakistan
- 2) **MAOS** (Advances in Microwave-Assisted Organic Synthesis), Graz, Austria 2005
- 3) **MAOS** (Advances in Microwave-Assisted Organic Synthesis), Budapest, Hungary 2006

### Seminars Delivered:

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- 1) Dissertaion Seminar Karl Franzens University of Graz, Austria Feb. 2006
- 2) Dissertaion Seminar Karl Franzens University of Graz, Austria Jan. 2009

### Courses:

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- 1) Critical Evaluation of Scientific Publications
- 2) Problem Session in Organic Chemistry

### Awarded Project:

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Principal Investigator of eight million rupees research project funded via HEC Pakistan and collaborated with Christian Doppler Laboratory for Microwave Chemistry (CDLMC), Karl Franzens University of Graz, Austria

### Visited sites:

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Austria, Germany, Hungary, Switzerland, Italy (off course Pakistan ♥)