

# Faculty Profile

<b>Name</b>	:	<b>Dr. Arshi Amin</b>		
<b>Designation</b>	:	Assistant Professor		
<b>Department/School/Special Centre</b>	:	Chemistry/ School of Sciences.		
<b>Off. Phone Number</b>	:	8010358136		
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<b>Qualifications</b>	:	B.Sc(hons), M.Sc (Chemistry), Ph.D (Applied Chemistry) Aligarh Muslim University, Aligarh		
<b>Areas of Teaching Interest</b>	:	Forensic Chemistry, Physical Chemistry, Analytical Chemistry, Food Chemistry, Surface Chemistry, Nano-materials.		
<b>Areas of Research Interest/Specialization</b>	:	Applied Chemistry, Nanomaterials Synthesis and Applications, Ion- exchange chromatography, TLC.		
<b>Experience</b>	:	Seven years.		
<b>Awards &amp; Honours</b>	:	<b>Maulana Azad National Fellowship</b> , Government of India, from April- 2009 to April- 2012.		
<b>International Collaboration/Consultancy</b>	:	-		
<b>Best Peer Reviewed Publications (upto 5)</b>	:	<ol style="list-style-type: none"> <li>1. <b>Surfactant assisted preparation and characterization of carboxymethyl cellulose Sn(IV) phosphate composite nano-rod like cation exchanger: A thermodynamic study of pyridine adsorption</b>, A. Mohammad, Inamuddin, <b>A. Amin</b>, <i>J. Therm. Calorim.</i> (2011) doi: 10.1007/s10973-011-1548-z. (impact factor-2.5)</li> <li>2. <b>Nano-composite cation-exchanger polyvinyl alcohol Sn(IV) tungstate: Preparation, characterization, thermodynamic study and its analytical application for the adsorption of aniline</b>, A. Mohammad, Inamuddin, <b>A. Amin</b>, <i>J. Therm.</i></li> </ol>	6.	7.

	<p><i>Calorim.</i> (2011) doi: 10.1007/s10973-011-1534-5. (impact factor-2.5)</p> <p>3. <b>Forward ion-exchange kinetics of heavy metal ions on the surface of carboxymethyl cellulose Sn(IV) phosphate composite nano-rod like cation exchanger,</b> A. Mohammad, Inamuddin, <b>A. Amin,</b> Mu. Naushad, G. E. Eldesoky, <i>J. Therm. Calorim.</i> (2011) doi: 10.1007/s10973-011-1887-9. (impact factor-2.5)</p> <p>4. <b>Chromatographic behaviour and separation of pesticides on Thin silica gel layers impregnated with cationic micelles,</b> A. Mohammad, <b>A. Amin,</b> A. Moheman, <i>J. Planar Chromatogr.</i> (2012) (impact factor-0.7)</p> <p>5. <b>Nicotinic acid adsorption thermodynamics study over newly synthesized and characterized carboxymethyl cellulose ceric(IV) molybdophosphate composite cation-exchanger,</b> A. Mohammad, Inamuddin, <b>A. Amin,</b> Mu. Naushad, G. E. Eldesoky, <i>J. Therm. Calorim.</i> (2011) doi: 10.1007/s10973-011-2169-2. (impact factor-2.5)</p>		
<p><b>Recent Peer Reviewed Journals/Books (upto 3)</b></p>	<p><b>Book Chapters:</b></p> <p>1. <b>“ION-EXCHANGE KINETICS OF ALKALINE METALS ON THE SURFACE OF CARBOXYMETHYL CELLULOSE SN(IV) PHOSPHATE COMPOSITE CATION EXCHANGER”</b></p> <p>Ali Mohammad, Mohammad Imran Ahamed, <b>Arshi</b></p>		

**Amin, Inamuddin** in “**Applications of Adsorption and Ion Exchange Chromatography in Waste Water Treatment**” edited by Amir-Al-Ahmed and published by Materials Research Forum LLC.

**2. “REMOVAL OF NITROGEN CONTAINING COMPOUNDS BY ADSORPTION: A REVIEW”**

Ali Mohammad, Mohammad Imran Ahamed, **Arshi**

**Amin, Inamuddin** in “**Applications of Adsorption and Ion Exchange Chromatography in Waste Water Treatment**” edited by Amir-Al-Ahmed and published by Materials Research Forum LLC.