

Curriculum Vitae

Dr. Abdul Ahamad Mahamad Yunus

Lecturer in Inorganic Chemistry,
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• **Educational Qualification** :

Degree	University	Month and Year of Passing
B.Sc. (Chemistry)	North Maharashtra University, Jalgaon	June - 2001
M.Sc. (Inorganic Chemistry)	North Maharashtra University, Jalgaon	July - 2003
Ph. D. (Chemistry)	North Maharashtra University, Jalgaon	Sept.- 2013

- **Title of Ph.D. Thesis** : Studies on the Development of Synergistic Heat Stabilizers for Polyvinyl Chloride
- **Research Guide** : Prof. D. G. Hundiware, North Maharashtra University, Jalgaon.

❖ **Teaching Experience at UG and PG level:**

Sr. No.	Institution/College/University	Position held	Period of Appointment
1.	S.S.V.P.S's Science College, Dhule	Lecturer in Inorganic Chemistry on CHB	01/07/2014 to 30/04/2015
2.	S.S.V.P.S's Science College, Dhule	Lecturer in Inorganic Chemistry on CHB	20/06/2015 to 05/08/2015
3.	School of Chemical Sciences, NMU, Jalgaon	Lecturer in Inorganic Chemistry (University Contract)	06/08/2015 to till date

• **Research Profile and Skills:**

- ✓ Proficient in synthesis of Nanomaterials by *in-situ* technique and evaluation of their application in material science.
- ✓ Expertise in ensuring Processing and compounding of different types of polymers
- ✓ Proficient in the techniques used for preparation of polymer composites/nanocomposites, polymer coatings.
- ✓ Expertise in the characterization of various sophisticated techniques.

- **Work Experience:**

- Worked as a research fellow on SAP (DRS II) scheme of UGC, New Delhi project in School of Chemical Sciences, North Maharashtra University, Jalgaon – 425 001. (Year Jan 2009 – May 2013).
[Thrust Area of the Project: “Development of Nanomaterials for Special Applications in Polymers”]
- Worked as **Senior Research Fellow (SRF)** under **RFSMS scheme** of UGC, New Delhi in School of Chemical Sciences, North Maharashtra University, Jalgaon – 425 001. (11th March 2012 – 02nd May 2013).
- Worked as **Junior Research Fellow (JRF)** under **RFSMS scheme** of UGC, New Delhi in School of Chemical Sciences, North Maharashtra University, Jalgaon – 425 001. (10th April 2010 – 10th March 2012).
- Worked as a testing and analyzing expert for Aryavarat Ind., Ltd., Jalgaon, Indofil Pvt. Ltd., Mumbai, Liberty Chem. Pvt. Ltd., Mumbai to analyses the various polymer samples during the Ph.D. research work.

- **List of Publications: International: 06**

Sr. No .	Author(s)	Title of Paper	Name of Journal with Impact Factor	Volume	Page	Year
1.	A. Ahamad C. B. Patil P. P. Mahulikar D.G. Hundiware V. V. Gite	Studies on the flame retardant, mechanical and thermal properties of ternary magnesium hydroxide/clay/EVA Nanocomposites	Journal of Elastomers and Plastics [I.F.-0.72]	44 (3)	251–261	2011
2.	A. Ahamad, A.B.Chaudhari, C. B. Patil, P. P. Mahulikar, D.G.Hundiware, V. V. Gite	Preparation and Characterization of Polypropylene Nanocomposites Filled With Nano Calcium Phosphate	Polymer-Plastics Technology and Engineering [I.F.-1.48]	51 (8)	786–790	2012
3.	A. Ahamad, C. B. Patil, V. V. Gite, D. G. Hundiware	Evaluation of the Synergistic Effect of Layered Double Hydroxides with Micro and Nano CaCO ₃ on the Thermal Stability of Polyvinyl Chloride (PVC) Composites	Journal of Thermoplastic Composite Materials [I.F.-1.13]	26 (9)	1249-1259	2013
4.	Vasim Shaikh, Santosh S. Terdale, Abdul A, Gaurav R. Gupta, Dilip Hundiware, Kesharsingh Patil	Volumetric studies of 2,2,2-Cryptand in aqueous and aqueous-KBr solutions at 298.15 K: An example involving solvent induced hydrophilic and hydrophilic interactions	Journal of Solution Chemistry [I.F.-1.17]	42 (11)	2087-2103	2013

5.	Vasim R Shaikh, Santosh Terdale, Abdul A. , Gaurav Gupta, Dilip Dagade, Dilip Hundiware, Kesharsingh Patil	Thermodynamic Studies of Aqueous Solutions of 2,2,2-Cryptand at 298.15 K: Enthalpy- Entropy Compensation, Partial Entropies and Complexation with K ⁺ ions	Journal of Physical Chemistry: Part B [I.F.-3.6]	117(50)	16249- 6259	2013
6.	Mahendra Nevre V. V. Gite A. Ahamad , Sandip Rajput P. P. Mahulikar, D.G. Hundiware,	Synergism between LDH and nano zinc phosphate on the flammability and mechanical properties of polypropylene	Polymer- Plastics Technology and Engineering [I.F.-1.48]	53 (5)	429- 434	2014

● **Paper Presentations in Conferences/Seminars:**

● **International:**

1. Synergistic Effect on the Stabilization of Poly-Vinyl Chloride by Layered Double Hydroxide and Epoxidized Sunflower Oil
D. G. Hundiware, A.Ahamad
HPI-APA International Conference on INNOVATION IN POLYMER SCIENCE and TECHNOLOGY (IPST-2011) during 28 Nov.- 1 Dec. 2011, Bali, Indonesia.
2. Synergistic Effect of Ca/Zn based stabilizers with Layered Double Hydroxides and Epoxidised Oils on the Thermal Stabilization of Polyvinyl Chloride
A. Ahamad, D. G. Hundiware
APA international Congress on Healthcare India-2012 during 20- 23rd Feb.2012, New Delhi, India.
3. Synergistic Effect of Layered Double Hydroxides with Micro and Nano CaCO₃ on the Thermal Stability of Polyvinyl Chloride (PVC) Composites
A. Ahamad, V. V. Gite, P. P. Mahulikar, D. G. Hundiware
International Conference in Chemistry: Frontiers and Challenges (ICCFC- 2013) during 2-3rd March 2013, Aligarh Muslim University (AMU), Uttar Pradesh.

● **National:**

1. The study of the synergistic effect of Pe with LDH on the stabilization of PVC
A. Ahamad, D. G. Hundiware
National conference on PSNDS-2011 during 16- 17th Dec.2012, Vadodara, Gujarat, India
2. Evaluation of the Synergistic Effect on the Thermal Stability of Polyvinyl Chloride (PVC) Composites
A. Ahamad, C. B. Patil, V. V. Gite, D. G. Hundiware
National Conference of Indian Council of Chemists (ICC) during 28-30th Dec. 2011, Hyderabad, India.
3. Synergistic Effect of Layered Double Hydroxide and Epoxidized Sunflower Oil on the Stabilization of Polyvinyl Chloride
Abdul A., V. R. Shaikh, M. R. Nevare, D. G. Hundiware
National Conference of NIPEC-2012 on 18th Feb.2012, School of Chemical Sciences and UDCT, NMU, Jalgaon, India

4. Evaluation of the Thermal Stability of PVC using Different Synergists as Co-stabilizer
A. Ahamad, V. R. Shaikh, R.U. Pathan, D. G. Hundiware
National Conference of RAPT-2012 during 2-3rd March-2012, UDCT, NMU, Jalgaon
(**Second prize in best poster category**)
5. Studies on the Thermal Stabilization of Polyvinyl Chloride by Synergistic Effect
A. Ahamad, V. R. Shaikh, P. P. Mahulikar, D. G. Hundiware
University level research festival “Avishkar-2012” during 13-14th December 2012, NMU, Jalgaon.
6. Spectrophotometric Studies of Ionic Liquids and Effect of Iodine on the Spectrums
G. R. Gupta, V. R. Shaikh, Abdul A., N. A. Shaikh A. M. Patil, Kesharsingh J. Patil
National Conference on “Innovations in Chemistry-Laboratory to Society” (ICLS-2013) on 11th March 2012, NMU, Jalgaon.

● **Extra-curricular:**

- Participated in “**C. V. Raman Memorial Seminar-2007**” held at North Maharashtra University (NMU), Jalgaon on 28th Feb. 2007.
- Participated in Seminar on “**Role of Nanotechnology in Polymer & Chemical Industries**” held at UDCT, NMU, Jalgaon on 15th March 2008.
- Participated in one day workshop on “**Project, Thesis and Paper Writing in Chemistry**” on 9th March 2012, at NMU, Jalgaon.
- Participated in one day workshop on “**Short Course on Microwave Assisted Organic Synthesis**” by **Prof. C. Oliver Kappe** from Karl Franzens-University Graz, Austria. On 31st October, 2012, at IIT, Bombay, Powai, Mumbai – 400076.

● **Life Membership of Professional Organization::**

- a) Asian Polymer Association (APA) [L-162]
- b) Society for Polymer Science (SPS), Pune Chapter, India. [L-321]

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