

## DR. ALI MOHD LONE

Assistant Professor

Govt. College for Women

Baramulla-Jammu & Kashmir-193101

Phone: (01952) 234985 (O); (0)9107016592(C) Fax: (01952) 234985; E-mail:loneali33@gmail.com



### 1. Qualifications:

S. No.	Degree/Diploma	Board/University	Year
1	Assistant Professor	Department of Chemistry, Higher Education Jammu Kashmir	2017
2	N-PDF	Indian Institute of Integrative Medicine, CSIR India	2016
3	Ph.D.	Indian Institute of Integrative Medicine, CSIR India/University of Kashmir	2016
4	JRF-NET	Joint-CSIR-UGC	2010
5	(M.Sc. Chemistry) (Organic Specialisation)	RTM Nagpur University Nagpur	2008
6	Graduation (B.Sc.)	University of Kashmir	2006

### 2. Work experience (in chronological order):

- Assistant Professor at department of chemistry, Govt. College for Women Baramulla (Higher Education) Jammu & Kashmir-India, since April 7, 2017.
- National Postdoctoral Fellow (N-PDF) at Indian Institute of Integrative Medicine-Srinagar, since November 1, 2016 to April 6, 2017.
- Senior research fellow (CSIR) at Indian Institute of Integrative Medicine-Srinagar, since October 4, 2013 to October 3, 2016.
- Junior research fellow (JRF) at Indian Institute of Integrative Medicine (Srinagar), since October 4, 2011 to October 3, 2013.
- Worked with Professor Goverdhan Mehta, National Professor at School of Chemistry University of Hyderabad, Hyderabad, since Dec. 1, 2009- October 3, 2011.

### 3. Area of specialization:

- Total synthesis of bioactive natural products
- Development of new synthetic strategies for total synthesis of bioactive natural products
- C-C, C-S, C-N bond forming reactions
- Structural modifications of natural products for lead development

### 4. Publications:

S.No.	Publication
1	<b>A general, flexible, ring closing metathesis (RCM) based strategy for accessing the fused furo[3,2-b]furanone moiety present in diverse bioactive natural products</b> Ali Mohd Lone, Bilal Ahmad Bhat and Goverdhan Mehta Tetrahedron Letters 2013, 54, 5619–5623.
2	<b>Metal free stereoselective synthesis of functionalized enamides</b> Ali Mohd Lone and Bilal Ahmad Bhat Organic and Biomolecular Chemistry 2014, 12, 242–246.
3	<b>Cytotoxic activity and GC-MS analysis of the constituents of essential oil of <i>Nepeta govaniiana</i> (Wall.ex Benth) from Jammu and Kashmir, India</b> Bilal Ahmad Dar, Ali Mohd Lone and Mushtaq A. Qurish International Journal of Herbal Medicine 2014, 2, 58-60.

4	<p><b>Synthesis and biological evaluation of new triazolyl analogues derived from 1-oxaspiro[4.4]nona-3,6-dien-6-ylmethanol</b>  <b>Ali Mohd Lone</b> and Wajaht A. Shah  Journal of Applicable Chemistry  2014, 3, 513-520.</p>
5	<p><b>A concise synthesis of Hagen's gland lactones</b>  <b>Ali Mohd Lone</b>, Bilal Ahmad Bhat, Wajaht Amin Shah and Goverdhan Mehta  Tetrahedron Letters  2014, 55, 3610-3612.</p>
6	<p><b>Time efficient Baylis-Hillman reaction on steroidal nucleus of withaferin-A to synthesize anticancer agents</b>  Bilal Ahmad Dar, <b>Ali Mohd Lone</b> and Mushtaq Ahmad Qurishi  International Journal of Technical Research and Applications  2015, 3, 2320.</p>
7	<p><b>Studies on structure elucidation of Aconitum alkaloids using LC-ESI-MS technique</b>  Bilal Ahmad Dar, <b>Ali Mohd Lone</b>, Rafiq Ahmad Khan and Mushtaq Ahmad Qurishi  American Journal of Ethnomedicine  2015, 2, 110-112.</p>
8	<p><b>Promise of retinoic acid-triazolyl derivatives in promoting differentiation of neuroblastoma cells</b>  <b>Ali Mohd Lone</b>, Nawab John Dar, Abid Hamid, Wajaht Amin Shah, Muzamil Ahmad and Bilal A. Bhat  ACS Chemical Neuroscience  2016, 7, 82-89.</p>
9	<p><b>Synthesis and screening of ursolic acid-benzylidene derivatives as potential anti-cancer agents</b>  Bilal Ahmad Dar, <b>Ali Mohd Lone</b><sup>*</sup>, Wajaht Amin Shah and Mushtaq Ahmad Qurishi  European Journal of Medicinal Chemistry  2016, 111, 26-32.</p>
10	<p><b>Double Hydroamination of alkynes via PTC and Microwave activated Diastereoselective Synthesis of 2,3-dihydroimidazo[1,2-a]pyridine in an Aqueous Media</b>  Malik A. Waseem, <b>Ali Mohd Lone</b>, Farah Ibad, Afshan Ibad, Vijay B. Yadav, Khursheed Ansari, Bashir Ahmad Shairjogrey, Geeta Watal and I.R. Siddiqui  Journal of Heterocyclic Chemistry  2017, Accepted.</p>
11	<p><b>A green access to tetrahydro-1H-pyrano[2,3-d]pyrimidines: Visible light triggered and ethylene glycol mediated multicomponent one pot process</b>  Afshan Ibad, Malik A. Waseem, Farah Ibad, Khursheed Ansari, <b>Ali Mohd Lone</b>, Prof. Geeta Watal and Prof. I. R. Siddiqui  Chemistryselect  2017, 17, 4587-4592.</p>
12	<p><b>2-hydroxyphenylaminomethylene-1,3-cyclohexadiones as potentially novel antituberculosis agents: Synthesis and biological profiling</b>  Muzafar Ahmad Rather, <b>Ali Mohd Lone</b>, Zubair Shanib Bhat, Bisma Teli, Mubashir Maqbool, Bashir Ahmad Shairjogrey, Syed Khalid Yousuf, Shajrul Amin, Bilal A. Bhat and Zahoor Ahmad  European Journal of Medicinal Chemistry  2017, Accepted.</p>
13	<p><b>Site selective [bmIm]OH catalyzed C-C bond functionalization under green conditions</b>  Malik A. Waseem, <b>Ali Mohd Lone</b><sup>*</sup>, Khursheed Ansari and I.R. Siddiqui  Chemistryselect  Communicated.</p>
14	<p><b>Chemoselective, benzoyl cyanide restricted monobenzoylation, of acyclic, cyclic diols to polyols and amino alcohols to thiols: expansion of diversity and mechanistic studies</b>  Malik A Waseem and <b>Ali Mohd Lone</b>  Journal of Organic Chemistry  2017, Accepted.</p>

15	<b>A catalysts free method for the synthesis of novel benzoximes from phenacyl bromide and hydroxyl anilines</b> Malik A Waseem and <b>Ali Mohd Lone</b> Green chemistry 2017, communicated.
16	<b>Modified Morita-Baylis-Hillman intermolecular oxy-Michael adducts facilitated in micellar media</b> Bashir Ahmad Shaigraj, <b>Ali Mohd Lone</b> , Oyais Ahmad Chat, Aijaz Ahmad Dar and Bilal A. Bhat Journal of Physical Chemistry B 2017, Communicated.
17	<b>Recyclable [bmIm]OH catalyzed and aqua mediated: Efficient synthesis of 2,8 dioxacyclopenta [a] inden-3-one derivatives</b> Malik A Waseem and <b>Ali Mohd Lone</b> Organic Chemistry Frontiers 2017, Communicated.

## 5. Books/Chapters:

S.No.	Publication
1	<b>Enamides: Occurrence, importance, methods for synthesis and applications</b> <b>Ali Mohd Lone.</b> Lambert/Germany; ISBN: 978-3-659-85094-3, 2015.
2	<b>Art and Science used for synthesis of Hagen's gland lactones</b> <b>Ali Mohd Lone.</b> Lambert/Germany; ISBN: 978-3-330-32122-9, 2017.
3	<b>Role of carbohydrates derived compounds in tuberculosis treatment</b> Malik A Waseem and <b>Ali Mohd Lone.</b> Lambert/Germany; ISBN: 978-3-330-65307-8, 2017.

## 6. Awards/honors and recognitions:

- Awarded junior research fellowship (JRF) of UGC, (Dec. 2010).
- Awarded senior research fellowship (SRF) of UGC, (2013).
- Awarded best poster presentation award at "International Conference on Current challenges in Drug Discovery Research-2015" at Jaipur-India.
- Awarded National Postdoctoral Fellowship (N-PDF-2016).

## 7. Conferences attended:

- Attended Seventh National Convention of Chemistry Teachers (NCCT-2007) "National Conference on Chemistry Vision-2020 (CHEMVISION 2020)" on 27 & 28<sup>th</sup> of October, 2007 organized by Hislop College Nagpur, Maharashtra-India.
- Participated in seminar conducted by Chemical Society on 18<sup>th</sup> of December, 2006 organized by Hislop College Nagpur, Maharashtra-India.

- Attended a training programme conducted by MSME-development institute Jammu on “Entrepreneurship Skill Development Programme on Biotechnology” in collaboration with IIM Srinagar from Sept. 3 to Oct. 8, 2011 at IIM Srinagar.
- 11th JK science congress 2014, “Scientific, Social and Economic dimensions of Climate Change” organized by University of Kashmir during Oct. 20-22, 2014.
- Oral presentation at two-day national interdisciplinary science conference (NISCON-2015), “Recent Trends in Chemical and Environmental Sciences” organized by Sri Pratap College, Srinagar.
- Attended “International Conference on Current challenges in Drug Discovery Research-2015” at Jaipur-India.
- 11th JK science congress 2015, “Scientific, Social and Economic dimensions of Climate Change” organized by University of Kashmir during Oct. 12-14, 2015.
- Attended National Seminar on “Science and Technology for National Development” from February 11 - 13, 2017.

### **8. Refresher courses attended:**

- Attended three week orientation programme from 26<sup>th</sup> of April, 2017 organized by Institute of Advanced Studies in Education, Government College of Education, M. A. Road, Srinagar.