




DEPARTMENT OF CHEMISTRY
DYAL SINGH COLLEGE, UNIVERSITY OF DELHI
FACULTY DETAIL



Title	Dr	First Name	AMITA	Last Name	MALIK	Photograph
Designation	Assistant Professor					
Address	FLAT NO. 29, SFS FLATS Mukherjee Nagar Delhi-110009					
Phone No Office	01124367819, 01124365948					
Residence						
Mobile	08750669768					
Email	amitamalik@dsc.du.ac.in					
Web-Page	http://dsc.du.ac.in/faculty/					
Educational Qualifications						
Degree	Institution					Year
Ph.D Chemistry	University of Delhi					1998
M.Sc Chemistry	IIT Delhi					1984
B.Sc Chemistry	University of Delhi					1982
Career Profile						
<ul style="list-style-type: none">• PhD in Degradation studies on bulk and encapsulated YBCO superconductor• Research experience of 25 years at Shriram institute of industrial research from 1984 to 2009. Worked on several research projects sponsored by government and private sponsors. Have published several papers in national and international journals. Have several patents to my credit. Won one international and one national award on the technology developed for low cost technology• Assistant Professor in Chemistry, Dyal Singh College, DU.• Associate Professor in Chemistry, Dyal Singh College, DU.• Professor in Chemistry, at present Dyal singh College						
Administrative Assignments (From 1 st July 2017 onwards)						
2021-2022						
<ul style="list-style-type: none">• Member of NAAC Committee• Member of Lab Development Committee• Mentor-Mentee Committee• Convenor of Paper setting Committee for Vth Sem (H) DSE paper on Industrial Chemicals and Environment• Convener of the paper setting committee for Vi th Sem Chemistry (H) , DSE-Polymer chemistry• Convenor of Paper setting Committee for 4 Sem (Prog) UPC 42174404_OC						
2020-2021						
<ul style="list-style-type: none">• Member of Lab Development committee• Mentor-Mentee Committee• Member of library Committee• Member of women advisory committee						
2019-2020						
<ul style="list-style-type: none">• Member of Lab Development committee						

<ul style="list-style-type: none"> • Mentor-Mentee Committee • Member of library committee • Member of Garden Committee • Member of Fee concession committee • Member of women advisory committee • Member of Purchase committee <p>2018-2019</p> <ul style="list-style-type: none"> • Member of Lab Development committee • Mentor-Mentee Committee • Member of purchase committee <p>2017-2018</p> <ul style="list-style-type: none"> • Member of Chemical Society • Member of Admission Committee • Member of Lab Development Committee • Organized a FDP on Environmental Sustainability and higher education <p>2016-2017</p> <ul style="list-style-type: none"> • Member of Lab Development committee • Member of Chemical Society
Areas of Interest / Specialization
<ul style="list-style-type: none"> • Organic Chemistry • Polymer Chemistry • Green chemistry • Environmental chemistry
Subjects Taught
<ul style="list-style-type: none"> • Green Chemistry • Polymer Chemistry • Environmental Chemistry • Cosmetics and perfumes • Analytical Clinical Biochemistry
Research Guidance
<ul style="list-style-type: none"> • Summer internship of third year students of B.Sc (H) students • M.Sc. Students from YMCA and Amity University • Ph.D students – Two have been awarded Ph.D degree and three are doing Ph.D • Guided students in innovation projects
Publications Profile (From 1 st July 2016 onwards)
<p>1. Title: Superabsorbent polymer gels based on Polyaspartic acid and Poly acrylic acid.</p>

Authors: Shilpa Sharma, Amita Dua and Amita Malik

Name of the Journal : Journal of Material Science and Engineering 2016,5(3),235

Impact Factor: 5.447.

2. **Title:** Polyaspartic acid based superabsorbent gels with different cross- linkers
Authors: Shilpa Sharma, Amita Dua and Amita Malik
Name of the Journal : IOSR- Journal of Applied Chemistry 2016,9(5),56
Impact Factor: 3.148
3. **Title:** Microwave assisted synthesis of pH sensitive polyaspartic acid/acrylic acid **Authors:** Shilpa Sharma, Amita Dua and Amita Malik
Name of the Journal : International Journal of green Chemistry and Bioprocess 2016 ,6(1),7
4. **Title:** Dye removal studies using ionic liquids 1-Ethyl 3-methyl imidazolium lactate and 2- hydroxyethyl-trimethyl ammonium l-lactate.
Authors : Priyanka yadav, Jyoti Dahiya, Kanishk Bhardwaj, Ravleen Kaur, Ranjana Saxena, Hema banati, aruna Chhikara, and Amita Malik
Name of the Journal : International Journal of Current Research 2017 , Vol.9, (1) , 44619
Impact Factor: 7.086
5. **Title:** Biocompatible stimuli responsive superabsorbent polymer for controlled release of GHK-Cu peptide for wound dressing application
Authors: Shilpa Sharma, Amita Dua and Amita Malik
Name of the Journal : Journal Of Polymer Research ,2017,24,56
Impact Factor: - 3.148
6. **Title :** One pot three component synthesis of spiro-3,10' -indeno[1,2-] quinolin]-2,4,11'-triones as a new class of antifungal and antimicrobial agents
Authors : Kalawati Meena, Sudesh Kumari, Jitender M, Khurana, Amita Malik , Chetan Sharma, Harish Panwar
Name of the Journal: Chinese Chemical Letters 2017,26,136
Impact Factor :1.947
7. **Title :** Design and synthesis of novel 2-(3-aryl/alkylaminopropoxy)-12-aryl Xanthene derivatives as antimicrobial agents
Name of the Authors : Bhaskara Anand, Kalawati Meena, Shruti Gupta, Jitender M, Khurana, Amita Malik , Chetan Sharma, Harish Panwar
Name of the Journal: Chem. Biol. Lett., 2017,4,81
Impact Factor:3.233
8. **Title:** Efficient synthesis of novel indeno[1,2-b]chromenone derivatives via Diels Alder reaction of 2-(arylmethylene)-1H-indene-1,3(2H)-diones with enaminones
Name of the Authors : Kalawati Meena, Sudesh Kumari, Jitender M, Khurana, Amita Malik
Name of the Journal: Tetrahedron . Lett., 2018,59(15) , 1451
Impact Factor:2.379

<p>9. Title One pot synthesis Of hydroxyl-pyrazolo[1,2-a][1,2,4]triazoles and their dehydration using recyclable Ionic liquids as reaction media Name of the Authors : Kalawati Meena, Jitender M, Khurana, Amita Malik Name of the Journal: Journal of Heterocyclic Chemistry 2018,55, 83 Impact Factor: 1.484</p> <p>10. Title :An Efficient catalyst free approach via one pot three component reaction Name of the Authors : Kalawati Meena, Sudesh Kumari, Jitender M, Khurana, Amita Malik Name of the Journal: Monatsh Chem 2018,149,841 Impact Factor: 1.349</p> <p>11. Title: In-vitro and in-vivo studies on pH sensitive GHK-Cu peptide incorporated Polyaspartic acid and acrylic acid superabsorbent polymers Name of the Authors : Shilpa Sharma, Mohammad Faiyaz Anwar, Amit Dinda, Maneesh Singhal Amita Malik Name of the Journal: ACS Omega,2019,2,20118 Impact Factor:2.87</p> <p>12. Title Catalyst free one pot regioselective synthesis of benzo[d]-imidazo[2,1-b]thiazoles By heating and grinding Name of the Authors : Kalawati Meena, Jitender M, Khurana, Amita Malik Name of the Journal: Journal of Heterocyclic Chemistry 2019,56 (11), 3055 Impact Factor: 1.484</p>
<p>Books :</p> <ol style="list-style-type: none"> 1. Practical Organic chemistry, Manakin Press,ISSN: 9789384370428 (2017) 2. Polyaspartic acid based polymers, Lambert Academic publishing, 978-620-2-00752-8 (2018) 3. Chemistry Inorganic & Physical (Vol.5), Manakin Press,ISSN: 978-93-88342-23-0 (219) 4. Chapter in book titled Bionanocomposites in tissue engineering and regenerative medicine. ISBN 978-0-12-821280-6 (2020), Wood head publishing house
<p>Research Projects (Major Grants/Research Collaboration) (From 1st July 2016 onwards)</p>
<p>Synthesis and Characterization of Biodegradable superabsorbent polymers/ SAP hydrogels for disposable biomedical products (April-2013-March-2017)</p>
<p>Conference Organizations/ Presentations (From 1st July 2016 onwards)</p>
<p>Awards and Distinctions (From 1st July 2016 onwards)</p>
<p>2016-2017</p> <ol style="list-style-type: none"> 1. FDP (Feb 20-28, 2017) on “DNA Nanoarchitecture” from JMI under MHRD <p>2017-2018</p> <ol style="list-style-type: none"> 1. Inaugural Lecture- Chemical Society, Dyal Singh College 18 Sept 2017, 2. One Week FDP (4-11 June 2018) on “Environment Sustainability and Higher Education”, Organised by IQAC, Dyal Singh College.

3. Faculty Development cum National Workshop on Greening an Undergraduate Chemistry Lab “Creating awareness for Environment Friendly Techniques organised by Sri Venkateswara College, 8-2.2018 to 9-8-2018

2018-2019

1. One day workshop on Computational chemistry, Feb 2019 at Dyal Singh College

2019-2020

1. Recent Trends and Ethics in Biological Research, March 2020, Dyal Singh College
2. Online Course in Chromatography from 7th May 2020 to 16th May 2020 organized by DIPAM Foundation & Seth M.N Science College, Patan
3. Webinar on Molecular visualization, organized by Wave Function USA, on 9th May 2020
4. National Webinar on New horizons in Sustainable Polymer, Green Chemistry and Laboratory safety organized by Science College Dhule
5. Erudition 2020 Short term Faculty Development Programme from 23rd May 2020 to 28th May 2020
6. Research Methodologies Tools and techniques from 5th June 2020 to 11 June 2020 organized by Atma Ram Santhan Dharm College
7. Emerging trends in chemistry education and research organized an international webinar from 25th and 26th June 2020 by Wilson College Mumbai

2020-21

1. **Online refresher course in Chemistry for higher education**, 1 Sept 2019 to 16 Feb 2020, Organized by GAD-TLC, Khalsa College, DU.
2. One Week FDP on “**Multimedia enriched power point presentation**”, 11-16 August 2020, Organized by GAD-TLC, Khalsa College, DU.
3. National Webinar on “**Towards Excellence in Higher Education in India in the 21st Century: Challenges and Opportunities**”, May 1, 2020, Organized by GAD-TLC, Khalsa College, DU.
4. Development of MOOCs and Online courses using LMS moodle, 30th June 2020 to 4th July 2020
5. Two Week FDP on Managing Online Classes and Co-creating MOOCs 3. Organized from 25th July to 10th Aug 2020 by Ramanujan College
6. Three Day Workshop on “Designing and Development of e-resources for Teaching and Learning from 22nd to 24th June 202

Association With Professional Bodies

Lifetime membership no. of Asian Polymer Association :L-014
ACS membership -31847757

Other Activities like MOOCs/ Patents etc. (From 1st July 2016 onwards)

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Signature of Faculty Member