



## ACHIEVEMENTS

Dr. Irshad Ahmad Lone, *Ph.D.*

---

### Personal Data

Father's Name : Ab. Gaffar Lone

Designation : Associate Professor & Head,  
Department of Chemistry, GDC Kupwara

Office Address : Department of Chemistry  
Faculty of Science  
Govt. Degree College Kupwara,  
Higher Education Department,  
Jammu & Kashmir (INDIA)

Permanent Address : Kultura; District-Kupwara (KASHMIR)

E-mail : [drirshadlone@gmail.com](mailto:drirshadlone@gmail.com)

Mobile : 09596198908

Foreign Visits : Washington DC, USA.

### Academic Qualifications

- Ph.D in Chemistry from Jamia Hamdard (Hamdard University) accredited by NAAC in 'A' category, New Delhi, India in 2009  
**Thesis Title:** "Studies on Chemoprevention of Chemically Induced Cancer by Phytochemicals -Delineation of Implicated Mechanisms"

### Publications

- ✓ **Irshad A Lone**, Gurpreet Kaur, Mohammad Athar, M Sarwar Alam. Protective Effect of Rumex patientia (English Spinach) Roots on Ferric Nitrotriacetate (Fe-NTA) Induced Hepatic Oxidative Stress and Tumor Promotion Response. *Food Chem Toxicol.* **2007; 45(10): 1821-9.**
- ✓ Kaur G, **Lone IA**, Athar M, Alam MS. Protective effect of Didymocarpus pedicellata on ferric nitrotriacetate (Fe-NTA) induced renal oxidative stress and hyperproliferative response. *Chem Biol Interact.* **2007; 165(1): 33-44.**
- ✓ **Irshad A Lone**, Gurpreet Kaur, Mohammad Athar, M Sarwar Alam. Mechanistic aspect of Rutin for its suppressive effect on Ferric Nitrotriacetate (Fe-NTA) Induced

Renal Oxidative Stress and hyperproliferation. *Free Radicals in Biology & Medicine* 2007; Vol 43 Supplement 1, S58.

- ✓ GurpreetKaur, **Irshad A Lone**, Mohammad Athar, M SarwarAlam. Inhibition of 7, 12-Dimethylbenz [a] anthracene Initiated and 12-O-Tetradecanoylphorbol-13-Acetate Promoted Skin Carcinogenesis by Eugenol: An Insight into Mechanistic Aspects.*Free Radicals in Biology & Medicine* 2007; Vol 43 Supplement 1, Pages S58-59.
- ✓ GurpreetKaur, **Irshad A Lone**, Mohammad Athar, M SarwarAlam. Guilandinabonduc L. possesses antioxidant activity and precludes Ferric Nitriolotriacetate (Fe-NTA) induced renal toxicity and tumor promotion response. *J. Environ Pathol Toxicol Oncol.* 2009; 28(2):163-75.
- ✓ **Irshad Ahmad Lone**, M SarwarAlam, M Athar. Amelioration of Diethylnitrosamine (DEN)/Ferric Nitriolotriacetate (Fe-NTA) Mediated Renal Carcinogenesis by Dietary Silymarin-- A Mechanistic Approach.*Free Radical in Biology and Medicine, Volume 87, Suppl. 1, October 2015, Pages S68-S69*
- ✓ **Lone IA**, Ali M, Alam MS, Lone SA. Isolation, characterization and antioxidant activities of steroidal constituents from the aerial parts of *Didymocarpuspedicellata* R. Br. *Journal of Pharmacognosy and Phytochemistry* 2016; 5(4): 29-36
- ✓ **Irshad A Lone**, Shabir A Lone, M SarwarAlam. *Artemisia maritime* ameliorates Ferric Nitriolotriacetate (Fe-NTA) mediated inflammation, hepatic oxidative stress, and tumour promotion response. *Int.J. of Advance Research in Science and Engineering* 2018; Vol.07 (04): 1710-1734.
- ✓ **Irshad Ahmad Lone**, Mohammad Ali, M Sarwar Alam, Showkat Rasool Mir and Shahnaz Sultana. Chemical constituents of the aerial parts of *Didymocarpus pedicellata* r. br. *European Journal of Pharmaceutical and Medical research* 2020, 7 (10), 482-487.
- ✓ **Irshad Ahmad Lone**, Mohammad Ali, M Sarwar Alam, Showkat Rasool Mir and Shahnaz Sultana. Chemical constituents from the aerial parts of *Artemisia maritima*. *European Journal of Pharmaceutical and Medical Research* 2020,7 (11), 453-460

- ✓ **Irshad A Lone**, Gurpreet Kaur, Mohammad Athar, M Sarwar Alam. Chemo-preventive effect of *Artemisia maritima* against Ferric Nitrotriacetate (Fe-NTA) mediated Renal Carcinogenesis. *J Appl Toxicol.* (Communicated).
- ✓ **Irshad A Lone**, Mohammad Athar, M Sarwar Alam. Antioxidant activity of a new flavanone glycoside isolated from *Artemisia maritime*. *Journal of Ethnopharmacology* (Communicated).
- ✓ **Irshad Ahmad Lone**, Mohammad Ali, M. Sarwar Alam, Showkat Rasool Mir and Shahnaz Sultana, “Chemical constituents of the aerial parts of *Didymocarpus pedicellata* r. Br.” 2020, 7 (10), 482-487 *European Journal of Pharmaceutical and Medical research* (EJPMR) 2394-3211
- ✓ **Irshad Ahmad Lone**, Mohammad Ali, M. Sarwar Alam, Showkat Rasool Mir and Shahnaz Sultana, “Chemical constituents of the aerial parts of *Artemisia maritima*.” 2020,7 (11), 453-460 *European Journal of Pharmaceutical and Medical research* (EJPMR) 2394-3211
- ✓ **Irshad Lone**, Shabir Lone, M Sarwar Alam, M.Athar “Chemopreventive effect of dietary aloin on diethylnitrosamine (DEN)/ferric nitrotriacetate (Fe-NTA) mediated hepatic carcinogenesis - delineation of its implicated mechanisms” Volume 192, Supplement 1, 1 November 2022, Page 106-107 <https://doi.org/10.1016/j.freeradbiomed.2022.10.191> *Free Radical Biology and Medicine* (Impact Factor = **8.101**) ISSN 0891-5849
- ✓ Published a paper entitled "Engineering Hydraulics: The Delhi Sultanates Development of Irrigation Techniques and Water Management Systems" in the journal "*Bulletin of Engineering Science Technology and Industry* Vol. 3 No. 3 2025: September ISSN: 3025-5821

### **Books/ Book Chapters Published**

- Irshad A. Lone and Masrat Gaffar. Phytoremediation Potential of Medicinal and Aromatic Plants. Chapter 29, *Medicinal and Aromatic Plants, Springer Nature Switzerland AG 2021*
- Irshad A. Lone and Mahajabeen Akhter. Biogeochemical Processes and Climatic Change. Chapter 7 *Climate change and Microbes: Advancement towards Sustainable Future” AAP/CRC Press, a Taylor & Francis Group 2022*
- “Phytoremediation Potential of Medicinal and Aromatic Plants.” Page No. 741-760 DOI: 10.1007/978-3-030-58975-2\_29 Medicinal and Aromatic Plants, Tariq Aftab & K.R.Hakeem, Springer Nature, Switzerland AG 2021. International ISBN No.: 9781774637821

- “Biogeochemical Processes and Climatic Change” Page No. 39-62 <https://doi.org/10.1201/9781003302810>
- Climate change and Microbial Diversity- Advances & Challenges Sustainable Future Editors:Bandh SA et al. Publisher: Apple Academic Press 2022 (A Taylor & Francis Group) International e-ISBN No.:9781003302810
- Published a book chapter in Elsevier entitled “Dihydropyrimidinones inhibit proliferation and tumor growth” in the book - Dihydropyrimidinones as potent anticancer agents (ISBN No.-978-0-443-19094-0) on 22-08-2023.
- Co-authored a research paper on the title “Tracing the Evolution of Historical Enquiry: The History of History” published in the International Journal of Education Review, Law & Social Sciences (IJERLAS) on 30th March 2024.
- Submitted book chapter for publication on the title "Propolis: Natures shield against inflammation" to Apple Academic Press in 2025.
- Published a book as an author on the title "Why history matters: Today always" on 20/06/2025 Kindle edition available on Amazon.
- Published a book entitled "Why History Matters: Today and Always ISBN-13 979-8290893143" with authors Dr. Khalid Bashir Yasir Ahsan Bhat and Dr. Irshad Ahmad Lone on 14 Aug. 2025 on 20/06/2025 Kindle edition available on Amazon.

### **Awards & Fellowships**

- ❏ Senior Research Fellowship (SRF) awarded by Council of Scientific and Industrial Research (CSIR), Human Resources Development Group, New Delhi, Govt. of India in 2009.
- ❏ Junior Research Fellowship (JRF) awarded by Department of Biotechnology (DBT), New Delhi, Govt. of India in 2005.
- ❏ Junior Research Fellowship (JRF) awarded by Institute of Nuclear Medicine and Allied Sciences (INMAS), New Delhi, Govt. of India.
- ❏ Hamdard National Foundation Research Fellowship (HNF) awarded by Jamia Hamdard (Hamdard University), New Delhi, India in 2007.

### **Travel Grant Awarded**

- Partial Foreign Travel Grant awarded by Council of Scientific and Industrial Research (CSIR), Human Resources Development Group, Govt. of India.
- Full Foreign Travel Grant awarded Department of Biotechnology (DBT), Govt. of India.

### Courses/ Schools attended

- Participated in “**CXVIII-Orientation Programme**” from 31-01-2012 to 29-02-2012 at UGC Academic Staff College, Aligarh Muslim University, Aligarh
- Participated in the “**Refresher Course in Chemistry**” from 26-12-2012 to 15-01-2013 from Centre for Professional Development in Higher Education, University of Delhi, New Delhi and obtained Grade-A.
- Participated in the “**1<sup>st</sup> three-week Refresher Course in Disaster Management (Interdisciplinary)**” organized by the UGC-HRDC, Jamia Millia Islamia, New Delhi from 09-02-2015 to 02-03-2015 and obtained Grade-A.
- Participated in the “**Three-week Refresher Course in Contemporary Studies (Interdisciplinary)**” organized by the UGC-HRDC, Jawaharlal Nehru University, New Delhi from 08-02-2016 to 02-04-2016 and obtained Grade-A.
- Participated in “**Four Days Course on Skill Development Mission for Rural Youth**” conducted by J&K Institute of Management Public Administration & Rural Development, M.A. Road Srinagar from 10-12-2018 to 13-12-2018.
- Participated in the “**Four-weeks Refresher Course in Global Studies (Interdisciplinary)**” organized by the UGC-HRDC, Jawaharlal Nehru University, New Delhi from 05-03-2019 to 29-03-2019 and obtained Grade-A.
- Five (05) Day Online National Level Faculty Development Program on “Recent Advances in Applied Chemistry: RAAC-2020” organised by Chemistry division of Basic Sciences & Humanities Department, QIS College of Engineering and Technology, Ongole during 06-07-2020 to 10-07-2020.
- Participated in Five (05) Days Online Training Programme on "Smarter Experimentation for Chemists: Online Training Programme on Design of Experiments" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom from 22-26 June, 2020.
- Participated in "7 Days Faculty Development Program” organized by SNMV College of Arts & Science, Institute of Management, Coimbatore held from 08/06/20 to 15/06/20.

- Participated in One Week Online Faculty Development Programme on “ICT Tools for Effective Teaching and Learning” conducted by ISTE Chapter, Murugappa Polytechnic College, Chennai in Association with ISTE, Tamil Nadu Section during 08-06-2020 to 14-06-2020.
- Participated in Online Faculty Development Program on “Recent Advances in Applied Chemistry: RAAC-2020 Implications of COVID-19 on World Economy” organised by RV Institute of Management from May 20-22, 2020.
- Attended One Week National Level Online Faculty Development Programme on “Online Teaching Tools for Educators” conducted by ISTE Chapter, Murugappa Polytechnic College, Chennai during 14-06-2021 to 20-06-2021.
- One Week Online Faculty Development Programme on “ICT Tools for Effective Teaching and Learning” 08-06-2020 to 14-06-2020 ISTE Chapter, Murugappa Polytechnic College, Chennai in Association with ISTE, Tamil Nadu Section
- One Week Faculty Development Program (FDP) on “ICT, e-learning and Emerging Technologies” 01-02-2021 to 05-02-2021 Higher Education Department, UT of J&K in collaboration with NIELIT J&K, Srinagar.
- One Week Online Faculty Development Programme on “Online Teaching Tools for Educators” 14-06-2021 to 20-06-2021 ISTE Chapter, Murugappa Polytechnic College, Chennai.
- One Week training course on “Training-cum- Hands-on Program on Advanced Experimental Techniques for Materials Science” 08-05-2022 to 26-05-2022 Department of Physics, National Institute of Technology (NIT) Srinagar in association with Banasthali Vidyapith, Rajasthan at NIT Srinagar.
- Completed the “NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MMTTP) of UGC” organised by UGC-MMTTC, Moulana Azad National Urdu University, Hyderabad from 19th to 28th February 2024.

## Conferences/ Seminars/ Workshops attended

- ✚ Participated in Two Days National Seminar on “**Access to Scholarly Electronic Journals/ Databases under UGC-Infonet**”, held on 14-15<sup>th</sup> December, 2004 at University of Delhi, Delhi, India
- ✚ Participated in Two days Workshop on “**NMR Spectroscopy and its Applications**” held on 18-19<sup>th</sup> August, 2006 at JamiaHamdard, New Delhi, India.
- ✚ Participated in an International conference “**Toxicology, Toxicology, Toxicogenomics and Occupational Health (ICTTOH) & 26<sup>th</sup> Annual Meeting of Toxicology (STOX) India**” held on 9-11 October 2006 at School of Studies in Zoology, Jiwajii University, Gwalior, M.P., India
- ✚ Participated in International conference “**6<sup>th</sup> Annual Symposium on Frontiers in Biomedical Research**” held on 30<sup>th</sup> November to 2<sup>nd</sup> December, 2006 at University of Delhi, India.
- ✚ Attended an International conference “**Emerging Trends in Free Radical and Antioxidant Research**” held on 8-11 January, 2007 at Fariyas Holiday Resort, Lonavala, India.
- ✚ An International conference “**14<sup>th</sup> Annual Meeting of the Society for Free Radicals in Biology & Medicine**” held on 14-18 November, 2007 at Renaissance Hotel in Washington DC, USA.
- ✚ Participated in XXth Annual conference on “**Global Warming---Boon or Bane & Effects of Iodine Deficiency and Trace Elements on Human Health**” held at Jamia Hamdard, Hamdard University, New Delhi, India from 27<sup>th</sup> to 29<sup>th</sup> December, 2007.
- ✚ Attended the **6<sup>th</sup> JK Science Congress** organized by the University of Kashmir in collaboration with J & K State Council for Science & Technology held on 2<sup>nd</sup>-4<sup>th</sup> December 2010 at University of Kashmir, India.
- ✚ Participated in two-day workshop on “**Quality Concerns of Higher Education and Role of NAAC –Need for Implementation of Total Quality**” organized by Higher Education Department, Govt. of Jammu & Kashmir in collaboration with IQAC, Govt. College of Education, M. A. Road, Srinagar on 13<sup>th</sup> & 14<sup>th</sup> December, 2010 at Govt. College of Education, M. A. Road, Srinagar, Kashmir, India.
- ✚ Presented a paper on the theme “**Higher Education -A Sustainable Development**” in a UGC sponsored two-day National level seminar on “**Sustenance of Quality in**

**Higher Education –Some Initiatives”** on 21<sup>st</sup>& 22<sup>nd</sup> March, 2011 at Govt. College of Education, M. A. Road, Srinagar, Kashmir, India.

- ✚ Attended one day workshop on “**Role of Education in Creating Project Mindset**” on 18<sup>th</sup> June 2011 held in the Business School at University of Kashmir.
- ✚ Participated and made oral presentation in the “**9<sup>th</sup> JK Science Congress, 2013 & Regional Science Congress**” held at University of Kashmir, Srinagar, J&K, India from 1<sup>st</sup> October to 3<sup>rd</sup> October, 2013.
- ✚ Participated& delivered Oral Presentation on “**Dietary Rutin ameliorates DEN/Fe-NTA mediated Renal Carcinogenesis –A Mechanistic View**” in the 9<sup>th</sup> JK Congress 2013 held at University of Kashmir from 1<sup>st</sup> to 3<sup>rd</sup> October, 2013.
- ✚ Participated as a delegate in the “**4<sup>th</sup> National Symposium on Recent Advances in Analytical Sciences & Applications**” held at Jamia Hamdard University, New Delhi from 9<sup>th</sup> to 10<sup>th</sup> February 2015.
- ✚ Participated in the One Day Awareness Workshop on “**All India Survey on Higher Education (AISHE)**” organized by AISHE Cell, Directorate of Internal Quality Assurance (DIQA), University of Kashmir, Srinagar, J&K, India on 18<sup>th</sup> June, 2015.
- ✚ Participated in an International Symposium on “**Role of Herbals in Cancer Prevention & Treatment**” held at Jawaharlal Nehru University, New Delhi, India from 9<sup>th</sup> to 10<sup>th</sup> February, 2016.
- ✚ Participated in Five Day International Conference on “**Nanotechnology for Better Living**” organized by NIT Srinagar & IIT Kanpur at NIT Srinagar on 25<sup>th</sup> to 29<sup>th</sup> May 2016.
- ✚ Participated in Two Day “**3<sup>rd</sup> National Annual Update on Pulmonary, Critical Care & Sleep Medicine Conference**” at Sarovar Portico, Srinagar on 20<sup>th</sup> to 21<sup>st</sup> May 2017.
- ✚ Participated in Regional Workshop on “**Research Based Pedagogical Tools**” sponsored by DST, MHRD, Govt. of India & organized by Indian Institute of Science Education & Research (IISER) Pune held at University of Kashmir, Srinagar, J&K from 3<sup>rd</sup> to 5<sup>th</sup> July 2017.

- ✚ Participated in a National Symposium on “**Frontiers in Chemical sciences (FICS)-2017**” held at Govt. Degree College Sopore, Baramulla, J&K from 4<sup>th</sup> to 5<sup>th</sup> November 2017.
  
- ✚ Participated in One Day Training/ Awareness Workshop on “**All India Survey on Higher Education**” organized by AISHE Cell, Directorate of Internal Quality Assurance (DIQA), University of Kashmir, Srinagar on March 14, 2018.
  
- ✚ Participated in Two Day 4<sup>th</sup> National Annual Update on “**Pulmonary, Critical Care & Sleep Medicine Conference**” at Sarovar Portico, Srinagar on 11-12<sup>th</sup> May 2018.
  
- ✚ Attended Two Days Workshop on “**Hands-on Training on Science Laboratory Equipment & Instrumentation for Faculty & Research Scholars**” at Department of Chemistry, University of Kashmir, Srinagar from 28<sup>th</sup> to 29<sup>th</sup> November, 2018.
  
- ✚ Participated in Women’s Conclave 2019 on “**International Women’s Day 2019**” organized by Department of Science & Technology, New Delhi & Jawaharlal Nehru University (JNU), New Delhi held at JNU, New Delhi on March 8, 2019.
  
- ✚ Participated in One Day Online Workshop on "**Planning and organizing research using Elsevier Tools: ScienceDirect, Scopus and Mendeley**" conducted by University of Kashmir, Srinagar in collaboration with Elsevier on 26<sup>th</sup> April 2020.
  
- ✚ Participated in One Day Online Workshop on "**Skill & Entrepreneurship Develop Opportunities for Youth of J&K**" conducted by Department of Bio-resources, University of Kashmir, Srinagar in collaboration with Skill Development Department, Govt. of J&K and JKEDI on November 15, 2020.
  
- ✚ Participated in One Day Online Workshop on "Planning and organizing research using Elsevier Tools: ScienceDirect, Scopus and Mendeley" conducted by University of Kashmir, Srinagar in collaboration with Elsevier on 26th April 2020.
  
- ✚ Participated in One Day Online Workshop on "Skill & Entrepreneurship Develop Opportunities for Youth of J&K" conducted by Department of Bio-resources,

University of Kashmir, Srinagar in collaboration with Skill Development Department, Govt. of J&K and JKEDI on November 15, 2020.

- ✚ Participated in One Day Online Webinar on "Investor Awareness Programme including Mutual Funds during & after COVID-19" conducted by Govt Degree College D H Pora, Kulgam on January 19, 2020.
- ✚ Participated in Two-Day International Webinar on "Tradition: A New Dimension in Modernity" organised by the PG & Research Department of History, Thiru Kolanjiappar Govt. Arts College, Vriddhachalam held from 09.07.2020 to 10.07.2020.
- ✚ Participated in "One Day Webinar on NAAC Assessment and Accreditation Process" held on 20/07/2020, organized by Jhulelal Institute of Technology, Nagpur in association with National Assessment and Accreditation Council (NAAC), Bangalore.
- ✚ International Webinar on "Leveraging Artificial Intelligence in Healthcare- Special Reference to COVID-19 Pandemic" held on 28th July, 2020.
- ✚ Participated in Three Days National online Faculty Development Programme on "Digital Literacy: Stepping into a New Normal" held from 21-23 May 2020 conducted by MIT School of Education and Research MIT-ADT University, Pune
- ✚ Participated in the 5 Day Online National Level Faculty Development Program on "Recent Advances in Applied Chemistry: RAAC-2020" organised by Chemistry division of Basic Sciences & Humanities Department, QIS College of Engineering and Technology, Ongole during 06-07-2020 to 10-07-2020.
- ✚ Participated in Five (05) Days Online Training Programme on "Smarter Experimentation for Chemists: Online Training Programme on Design of Experiments" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom from 22-26 June, 2020.
- ✚ Participated in "Teaching Design of Experiments to Chemists; lessons from Imperial College of London" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom 26 May, 2020.
- ✚ Attended virtual workshop on online Teaching, Learning and Evaluation with Moodle MOOC Platform conducted by conducted by NIEPA, MHRD, Govt. of India in collaboration with Instructional Media Centre, MANUU, Hyderabad on May 29, 2020.
- ✚ Participated in Virtual International Conference on "Material Science Device Fabrication (VICMS-2020)" organised by Department of Physics SN Govt. PG College, Khandwa, MP, India on June 5-6, 2020.

- ✚ Participated in One Days Online Workshop on “Plagiarism - An Opportunity to Learn, Teach & Excel” conducted by Department of Bioresources in collaboration with Turnit India Education Pvt. Ltd. on June 24,2020.
- ✚ Participated in 6 days workshop on Internet of Things (IoT) Using Raspberry PI Organized by Department of Instrumentation & Control Engineering during 23.02.2021-01.03.2021-Phase II.
- ✚ Participated in international webinar "Molecular Modelling for Medicinal Chemistry toolkit" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on May 27, 2021.
- ✚ Participated in international webinar "Lithium ion battery electrolyte degradation characterisation by mass spectrometry" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on June 8, 2021.
- ✚ Participated in international "The Age of Digital Chemistry" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on June 29, 2021.
- ✚ Participated in international "Trends in Modern hit discovery: How your ultra large screens can benefit from Machine Learning" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom in collaboration with Shrodinger on 29 July, 2021.
- ✚ Participated in National Level Entrepreneurship Awareness Quiz organized by Entrepreneurship Development Cell, Murugappa Polytechnic College, Chennai - 600 062 on 17-6-2021.
- ✚ Participated in international "How polluting is Plastic" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on June 29, 2021.
- ✚ Participated in Five-Day International Online FDP on "Emerging Trends in Nanotechnology (ETNT-2021)" Organized by the Department of Basic Science, Vishnu Institute of Technology (A) Bhimavaram AP in association with Physical Research Laboratory (PRL) Gujarat from 9th-13th November 2021.
- ✚ Participated in Campaign for blood donation on Blood Donation Day celebrated on 25-06-2022 by NSS Wing of the college at Govt. Degree College Handwara in collaboration with District Hospital Handwara.
- ✚ Participated in "Trianga Road Rally" on 11-08-2022 conducted by NSS Wing of the college from Bypass Road to Govt. Degree College Handwara under Har Ghar Trianga campaign on the eve of Azadi Ka Amrit Mahotsav
- ✚ Participated in Pledge Ceremony against Drug Abuse conducted by NSS Wing of the college at Govt. Degree College Handwara on 12-08-2022.

- ✚ Participated in friendly Cricket match between Teaching and Non-Teaching Staff on 08-09-2022 as a part of NASHA MUKHT BHARAT ABHIYAN Campaign (NMBA).
- ✚ Attended an International online webinar on the topic entitled "Driving the development of bio-based polymers with molecular mechanism" on Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on April 13, 2022.
- ✚ Participated three (03)-Day Workshop on Women Empowerment held on 8th-10th December at Govt. Degree College Handwara
- ✚ Attended ACS talk on "Powering Hydrogen Progress via Sustainable Energy Technologies, 2024 held by American Chemical Society on 17th January 2024.
- ✚ Participated in the webinar on "BERT: Revolutionizing Text Analysis & Sentiment understanding" organised by RVIM Centre for Business Analytics in association with Boston IT solutions India Pvt. Ltd. on 13th July 2023.
- ✚ Attended ACS talk on "Hydrogen Geo-storage and CCUS: New Insights from molecule-to-reservoir scale" held by American Chemical Society on 8th December 2023.
- ✚ Celebrated National Voter's Day as NSS Programme Officer with the NSS volunteers of NSS Unit-I, GDC Kupwara on 25th January 2024.
- ✚ Celebrated 75th Republic Day as NSS Programme Officer with the NSS volunteers of NSS Unit-I, GDC Kupwara on 26th January 2024.
- ✚ As NSS Programme Officer, conducted an awareness programme in the college on the theme "Systematic Voter's Education & Electoral Participation (SVEEP)" on 4th March 2024.
- ✚ Participated in a campaign with NSS volunteers on "Mera Pehla Vote Desh Kay Layee" on 6th March 2024.
- ✚ Celebrated National Women's Day with NSS volunteers and other students of the college on 11th March 2024.
- ✚ Celebrated International Day of Forests in the college on the theme "A Path to Recovery & Well-being" on 22nd March 2024.
- ✚ Participated in intercollege Speech Competition-cum-Seminar on the theme "Quran & Ramdhan" on 28th March 2024.
- ✚ Participated in "International Youth Day- 2023" conducted by Red Ribbon Club of the college on 12th August 2023 at Govt. Degree College Handwara.
- ✚ Successfully Uploaded a Selfie, an initiative by the Ministry of Culture, Govt. of India to mark "Azadi Ka Amrit Mahotsav" on 14-08-2023.

- ✚ Taken pledge for “Hamara Sankalp Viksit Bharat” to make India developed and Self reliant Nation by 2047” on 23rd December, 2023.

### Webinars

- ✚ Participated in One Day Online Webinar on "**Fast Drug Discovery & Optimisation with Physics-based Computational Methods**" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on January 28, 2021.
- ✚ Participated in One Day Online Webinar on "Investor Awareness Programme including Mutual Funds during & after COVID-19" conducted by Govt Degree College D H Pora, Kulgam on January 19, 2020.
- ✚ Participated in One Day Online Webinar on "Embracing Digital Efficiency to Rescue 2020" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom in collaboration with Merck on August 17, 2020.
- ✚ Participated in One Day Online International Webinar on "Leveraging Artificial Intelligence in Healthcare- Special Reference to COVID-19 Pandemic" conducted by Amar Singh College, Srinagar on July 28, 2020.
- ✚ Participated in One Day National Webinar on "ICT enabled Challenges" conducted by Women's College, Ananthnag on July 27, 2020.
- ✚ Participated in One Day Webinar on "NAAC Assessment and Accreditation Process" conducted by Jhulelal Institute of Technology, Nagpur University in collaboration with NAAC Bangalore on July 20, 2020.
- ✚ Participated in Two-Day International Webinar on "Tradition: A New Dimension in Modernity" organised by the PG & Research Department of History, Thiru Kolanjiappar Govt. Arts College, Vriddhachalam, Tamil Nadu held from 09.07.2020 to 10.07.2020.
- ✚ Participated in One Day online Workshop on "Prominence of Animals in Research" conducted by IIT, Ropar on July 10, 2020.
- ✚ Participated in One Day online Workshop on "Yoga for Immunity" conducted by JIPIAAR Institute of Technology on June 21, 2020.
- ✚ Participated in One Day online Workshop on "Plagiarism - An Opportunity to Learn, Teach & Excel" conducted by Department of Bioresources, University of Kashmir, Srinagar in collaboration with Turnit Education Pvt Ltd., on June 24, 2020.
- ✚ Participated in Two day workshop on "BLOCK CHAIN TECHNOLOGY" organized by Department of Information Technology, Keshav Memorial Institute Of Technology, Hyderabad from 12/06/2020 to 13/06/2020
- ✚ Participated in Three Days National Webinar on “Stress Management” organized by JIPIAAR Institute of Technology on June 21, 2020.

- ✿ Participated in One Days Online Webinar on "Flexible Working-Building a Better Chemistry Culture" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom from June 18, 2020.
- ✿ Participated in One Day National Webinar on "Impact Of Covid-19 on Higher Educational Institutions", Organised by Department of Commerce and Management, Abbas Khan College for Women, Bengluru Central University Under IQAC on 06-06-2020.
- ✿ Participated in One Day Online Webinar on "Synthetic Chemists & Our Society" conducted by Galgotias College of Engineering & Technology, Greater Noida, New Delhi on 11-06-2020.
- ✿ Participated in Online Webinar "HOW TO DEVELOP WEB APPLICATION" organised by Department of Computer Science & Engineering, Kings Engineering College, Chennai on 13/06/2020.
- ✿ participated in two day workshop o n "BLOCK CHAIN TECHNOLOGY" from 12/06/2020 to 13/06/2020 organized by Department of Information Technology, Keshav Memorial Institute Of Technology, Hyderabad.
- ✿ Participated in International Webinar on "Leveraging Artificial Intelligence in Healthcare- Special Reference to COVID-19 Pandemic" conducted by Amar Singh College, Srinagar on 28<sup>th</sup> July, 2020.
- ✿ Participated in One Days Online Webinar on "Mastering Complex Processes with Design of Experiments" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on 2nd June, 2020.
- ✿ Participated in three (03) days National online FDP on "Digital Literacy: Stepping into a New Normal" conducted by MIT School of Education & Research, Pune from May 21-23, 2020.
- ✿ Attended virtual workshop on online Teaching, Learning and Evaluation with Moodle MOOC Plateform conducted by conducted by NIEPA, MHRD, Govt. of India in collaboration with Instructional Media Centre, MANUU, Hyderabad on May 29, 2020.
- ✿ Participated in Virtual International Conference on "Material Science Device Fabrication (VICMS-2020)" organised by Department of Physics SN Govt. PG College, Khandwa, MP, India on June 5-6, 2020.
- ✿ Participated in One Days Online Workshop on "Plagiarism - An Opportunity to Learn, Teach & Excel" conducted by Department of Bioresources in collaboration with Turnit India Education Pvt. Ltd. on June 24,2020.

- ✿ Participated in One Day Online Workshop on “Skill & Entrepreneurship Development Opportunities for Youth of J&K” conducted by Department of Bio-resources in collaboration with Skill Development Department, Govt. of J&K & JKEDI on November 15, 2020.
- ✿ Participated in "Smarter experimentation for chemists: online training programme on design of experiments" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom from 22-26 June, 2020.
- ✿ Participated in "Teaching Design of Experiments to Chemists; lessons from Imperial College of London" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom 26 May, 2020.
- ✿ Participated in 6 days workshop on Internet of Things (IoT) Using Raspberry PI Organized by Department of Instrumentation & Control Engineering during 23.02.2021-01.03.2021-Phase II.
- ✿ Participated in "Molecular Modelling for Medicinal Chemistry toolkit" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on May 27, 2021.
- ✿ Participated in "Lithium ion battery electrolyte degradation characterisation by mass spectrometry" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on June 8, 2021.
- ✿ Participated in "The Age of Digital Chemistry" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom on June 29, 2021.
- ✿ Participated in "Trends in Modern hit discovery: How your ultra large screens can benefit from Machine Learning" conducted by Chemistry World Webinars, Royal Society of Chemistry, United Kingdom in collaboration with Shrodinger on 29 July, 2021.
- ✿ Participated in National Level Entrepreneurship Awareness Quiz organized by Entrepreneurship Development Cell, Murugappa Polytechnic College, Chennai - 600 062 on 17-6-2021.

### **Memberships**

- Indian Society of Analytical Scientists (ISAS).
- Society for Free Radical Biology and Medicine (SFRBM)
- Life Membership of Asian Polymer Association (APA)