



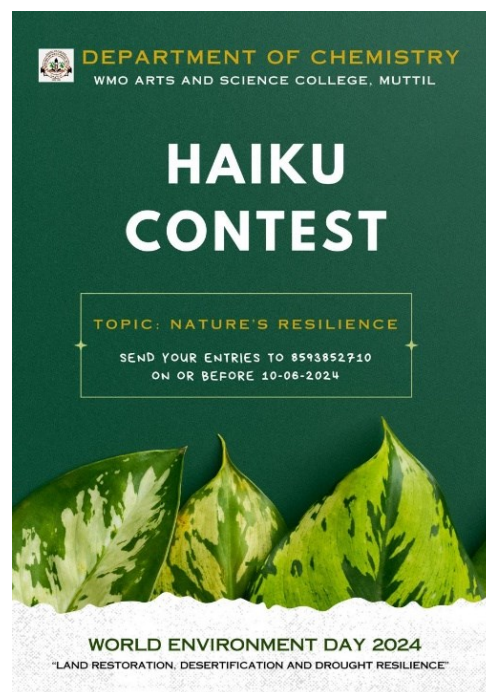
## DEPARTMENT OF CHEMISTRY

WMO ARTS AND SCIENCE COLLEGE, MUTTIL

### ACTIVITY REPORT 2024-25

#### 1. WORLD ENVIRONMENT DAY-HAIKU CONTEST

The Department of Chemistry organized a Haiku contest in connection with World Environment Day. The contest was held on June 10, 2024, with the theme “**Nature’s Resilience**,” encouraging students to reflect on the enduring strength and adaptability of nature through creative, concise poetry. The event aimed to raise environmental awareness among students, prompting them to think deeply about nature’s role in sustaining life and the importance of its preservation. Ms. Fathima Shadin, the event coordinator, ensured smooth execution and enthusiastic participation. The contest provided a platform for students to engage with environmental issues creatively, enhancing their understanding of sustainability and the need for conservation.



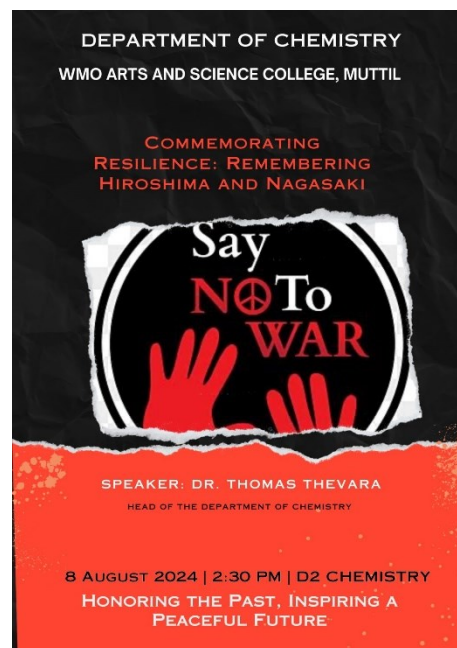
#### 2. NATIONAL READING DAY- READING COMPETITION

The Department of Chemistry organized a reading competition for D2 Chemistry students as part of the National Reading Day celebration on June 20, 2024. The event aimed to promote the habit of reading and its importance in intellectual and personal growth. Coordinated by Ms. Shahina PH, the competition saw active participation from students. Mr. Ranoop, faculty of the Department of Maths served as the judge, evaluating the participants’ reading and comprehension skills.

The winners of the event were Shaham O, Aneena, and Fathima Lamiya, who were recognized for their outstanding performances. The competition successfully inspired students to embrace reading as a lifelong learning tool.

### 3. HIROSHIMA -NAGASAKI COMMEMORATION

The Department of Chemistry held a Hiroshima-Nagasaki Commemoration on August 8, 2024, reflecting on the profound impact of the tragic events and the enduring spirit of resilience. Dr. Thomas Thevara, Head of the Department of Chemistry, delivered an insightful talk titled “Commemorating Resilience: Remembering Hiroshima and Nagasaki.” His talk highlighted the lessons learned from history, focusing on the strength of human endurance in the face of adversity. The event emphasized the importance of remembering these historical events to promote peace and unity. Students and faculty attended the program, gaining a deeper understanding of the need for resilience and global harmony.



### 4. GREEN ROOTS: PLANTING FOR A SUSTAINABLE FUTURE



On August 14, 2024, the Department of Chemistry organized a special tree-planting program during the parents' meeting of D1 Chemistry students. As part of the initiative, parents planted Ashoka trees across the campus, symbolizing a commitment to environmental sustainability. Dr. Thomas Thevara, Head of the Department of Chemistry, led the session and highlighted the cultural and ecological significance of the Ashoka tree. He emphasized its importance in fostering a greener, more sustainable

future. The event successfully engaged both parents and students in contributing to the preservation of the environment, leaving a lasting green legacy on campus.

## 5. WORLD OZONE DAY SEMINAR

On 12th September 2024, a seminar was jointly organized by the Kerala Forest and Wildlife Department, Social Forestry Division Wayanad, and the Department of Chemistry, WMO Arts and Science College, as part of World Ozone Day celebrations. The seminar aimed to raise awareness about the importance of protecting the ozone layer and highlight global efforts in reducing ozone depletion. The event was inaugurated by Sri. M. T. Harilal, Assistant Conservator of Social Forestry Division, Wayanad. In his inaugural address, Sri. Harilal underscored the role of forests and sustainable environmental practices in mitigating ozone depletion and combating climate change.



He also highlighted the importance of community participation in environmental conservation and shared insights on the Social Forestry Division's efforts in Wayanad. In addition to the informative talks, a tree planting initiative was launched as part of the program to symbolize the commitment towards environmental protection. Faculty members, students, and officials from the Social Forestry Division participated in this initiative, planting saplings around the college campus. This initiative reinforced the message of fostering a greener environment and contributing to the preservation of natural resources. The seminar featured expert talks from academics and environmentalists, focusing on the science



behind ozone depletion, its impact on climate, and the effectiveness of the Montreal Protocol in reducing ozone-depleting substances. Students and faculty members engaged in discussions and interactive sessions, presenting papers and posters related to ozone



layer conservation and sustainable environmental practices. The participants left with a stronger understanding of the importance of safeguarding the ozone layer and actively engaging in sustainable environmental practices. The tree planting initiative further underscored the program's commitment to tangible actions in environmental conservation.



## 6. TREE PLANTING INITIATIVE



As part of the Ozone Day celebrations, the Department of Chemistry initiated a tree planting drive to promote environmental awareness and sustainability. The inauguration of the tree planting took place at 10:15 AM in front of the English Department. Participants, including students, faculty, and Members of Social Forestry Division Wayanad, gathered to plant trees, recognizing their crucial role in reducing ozone depletion by absorbing harmful pollutants and improving air quality.

The event aimed to foster a sense of community responsibility towards the environment. Through this initiative, the Department of Chemistry successfully highlighted the importance of trees in combating climate change and enhancing the health of our planet. The tree planting drive inspired attendees to take further action in protecting our environment.

The tree planting initiative underscored the critical role that trees play in enhancing the health of our planet, particularly in relation to ozone layer protection. By sequestering carbon dioxide and absorbing other harmful pollutants, trees help mitigate the effects of climate change and reduce the risk of ozone depletion. Furthermore, the event aimed to raise awareness about the importance of preserving the ozone layer, which protects life on Earth from harmful ultraviolet radiation.







## 7. CERTIFICATE COURSE

The Department of Chemistry launched a certificate course on the **Fundamentals and Applications of Green Chemistry** on September 30, 2024. This 30-hour program aims to provide participants with a comprehensive understanding of green chemistry principles and practices, emphasizing sustainable approaches in chemical research and industry. The course includes lectures, practical sessions, and case studies to equip students with the necessary skills to contribute to environmental sustainability through innovative chemical solutions. Ms. Fathima Shadin is Serving as the Course Coordinator.



**DEPARTMENT OF CHEMISTRY**  
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- Select green solvents, catalysts, and materials for efficient, low-impact processes.
- Implement green chemistry in industries like pharmaceuticals and renewable resources.
- Develop energy-efficient reactions using renewable feedstocks.

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