

# ROYAL COLLEGE OF ARTS, SCIENCE & COMMERCE

(Autonomous)



**Dr. Aqeela A. Sattar Qureshi**

Associate Professor

Head, Department of Chemistry , Royal College

Email: [aqeela@royalcollegemiraroad.edu.in](mailto:aqeela@royalcollegemiraroad.edu.in) , [aqsattar@gmail.com](mailto:aqsattar@gmail.com) , Contact : 9594383614

<b>Educational Qualifications:</b>			
SSC	Anjuman Islam Girls School, Bandra West	1988	86.71 %
HSC	Anjuman Islam Girls Jr. College, Bandra West	1990	74.17 %
B.Sc.	Royal College (University of Mumbai )	1993	Chemistry
M.Sc.	Department of Chemistry, University of Mumbai	1995	Physical Chemistry
SET	Pune	Nov'1995	Chemistry
PhD	The Institute of Science, Mumbai	2019	Chemistry

## **Professional Experience:**

- Appointed as Lecturer in Department of Chemistry at Royal College of Arts, Science & Commerce, Mira Road in 1995. At present working in same institute as Associate Professor.
- Subject Taught: Physical and Analytical chemistry at UG level
- 30 years teaching experience of Physical and Analytical Chemistry at UG level.
- Appointed as Paper Setter for Combined entrance exam of Alkarim University , Bihar.
- At Royal College discharging duties as an active member of various academic and administrative committee such as College Board of Trustee, CDC, IQAC ,AQAR , Result committee , Scholarship committee, Website Committee.
- Member Board of Studies , University of Mumbai for MSc Part II Syllabus
- Member Board of Studies , University of Mumbai for First, Second Year syllabus of Physical chemistry as per the National Education Policy 2020.

- Chairperson, Board of Studies, Royal College of Arts, Science and Commerce , Mira Road
- Vice chancellor Nominee , Board of Studies , St. John College of Humanities and Sciences
- Chairman , Mumbai University Syllabus Committee for TY Physical Chemistry
- Paper Setter for TYBSc Physical chemistry question paper
- Chairperson, Board of Studies , Department of Chemistry, Royal College

### **Research Areas:**

- **Extraction Techniques** : Development and optimization of advanced extraction methods for bioactive compounds from natural sources
- **Environmental Techniques & Effluent Treatment** : Design and evaluation of sustainable wastewater and effluent treatment systems
- **Antioxidants** : Isolation, characterization, and quantification of natural antioxidants from plant sources. Development of antioxidant-enriched functional foods

### **Funded Research Project:**

“Chemical Investigation of Effluent from Chemistry Laboratories of Royal College, Mira Road and subsequent studies of remediation techniques”, (Principal Investigator Minor research project sponsored by University of Mumbai A.Y 2013-14).

“Scanning of Antioxidant Activities of Phenolic Constituent in Cold Sauces And It’s DNA Protection Potential Study” (Principal Investigator Minor research project sponsored by University of Mumbai A.Y 2019-20).

### **Publications:**

1. Gayatri Barabde, Aqeela A.S. Qureshi, Optimisation of extraction process to enhance Antioxidant Activity and DNA protection potential of seed extract of Nigella sativa and Fenugreek. JETIR - Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 10, 195-199 , October 2018.
2. Gayatri Barabde, Aqeela A.S. Qureshi , Effect of Extraction Techniques On Antioxidant Activity, DNA Protection Potential And Antimicrobial Properties of N. sativa (Kalonji) seed extract. The International Journal of Engineering and Science (IJES) , Vol 7, Issue 11, 1-5, 2018.
3. Gayatri Barabde, Aqeela A.S. Qureshi , Optimization of extraction process and investigation of Antioxidant Activity , DNA Protection Potential and Antimicrobial activities of Trachyspermum ammi seed extract. IOSR Journal of Applied Chemistry (IOSR-JAC).Volume 11, Issue 11 , 45-49, November 2018.

4. Published a review article on 'Plant based medicines: Obstacles and Advances' in peer reviewed journal -JCBPS; Section B; May 2022 –July 2022, Vol. 12, No. 3; 209-216, [DOI:10.24214/jcbps.B.12.3.20916.]
5. Aqeela A.S. Qureshi, Gayatri Barabde, Comparison between the Antioxidant Potential of Leaves and Seed extracts of Nigella sativa (Kalonji), Trachyspermum ammi (Ajwain), Trigonella foenum graecum (Fenugreek) And Assessment of Synergistic effect of Seed extracts by DPPH Assay. International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 9, Issue 3, March -2021.
6. Aqeela A. S. Qureshi, Zakiya M. Rafik Patel, Evaluation of Ingredient Combination on The Antioxidant Capacity of Coffee Drinks. International Journal for Multidisciplinary Research (IJFMR) E-ISSN: 2582-2160 , Volume 5, Issue 3, May-June 2023.
7. Aqeela A.S. Qureshi, Gayatri Barabde, Effective Extraction Technique to Enhance Antioxidant Activity and DNA Protection Potential of Seed Extract of Trachyspermum Ammi (Ajwain). Rizvi College of Arts, Science & Commerce , International Journal of Research Vol. 9 (1) 2019 : pp 123 - 129 ISSN 2231 - 6124 Impact Factor SJIF 2019 (7.006)
8. Pratiksha P. Shetty, Aanchal S. Singh, Aqeela A. S. Qureshi, Evaluation of Peel, Pulp and Juices of Citrus Fruits for Vitamin C Content, Antioxidant and Antibacterial Activity. International Journal for Multidisciplinary Research (IJFMR) E-ISSN: 2582-2160 , Volume 6, Issue 2, March-April 2024
9. Aqeela A.S. Qureshi, Scanning of Antioxidant Activities of Phenolic Constituents in Cold Sauces And it's DNA Protection Potential Study, International Journal of Education, Modern Management, Applied Science & Social Science (IJEMASSS) ISSN :2581-9925, Impact Factor: 7.150, Volume 06, No. 04(II), October - December, 2024, pp. 173-180.
10. Aqeela A.S. Qureshi, Environmental Science and Pollution Using DEMATEL Method, Journal on Applied and Chemical Physics Vol: 4(1), March 2025 REST Publisher; ISSN: 2583-7125.
11. Aqeela A. S. Qureshi, Pratishtha Kanojia, Fancyben R. Modh, Development of an Eco-Friendly Method for the Removal of Copper and Chromium from Chemistry Laboratory Effluents, Journal of Novel Research And Innovative Development, Volume 4, Issue 3, March 2026, JNRID, ISSN 2984-8687.
12. Dr. Aqeela A. S. Qureshi , Sayyed Samiya, Divya Pradhan, Importance Of Anger Management For Maintaining Positive Attitude And Self-Acceptance, Power of Knowledge Peer Review Journal, Volume: I, Issue: III Jan. to Mar. 2026 ISSN 2320-4494.

13. Dr. Aqeela A. Sattar Qureshi , Green Approach for Seawater Softening Using Biodegradable Adsorbents from Agro-Waste Materials, International Journal of Academic Excellence and Research (IJAER), Vol. 02, No. 01, January-March, 2026, pp 192-199 , e-ISSN: 3107-3913.

14. Aqeela A. S. Qureshi, Mustaqeem Mohammed Abbas, Phytochemical Screening, Antioxidant and DNA Protection Study of *Nigella sativa* seed extract, International Journal "Exploresearch", Vol.03 Issue.1 , 2026, e-ISSN: 3048-815X

### **Paper Presentations**

1. GC-MS Analysis of *Nigella Sativa* & *Trigonella Foenum-Graecum* L. seed extract and study of Antibacterial Effect , 3<sup>rd</sup> International Virtual Congress (IVC-2016) , August 2016.
2. Chemical Investigation of Effluent from Chemistry Laboratories of Royal College, Mira Road and subsequent studies of remediation technique, National Level Conference ,Vision 2050, December 2016.
3. A study of Chemical Composition and Antioxidant properties of *Nigella Sativa* and *Trigonella foenum-graecum* L. seeds, International Conference on Unani medicine , Delhi, February 2018.
4. Presented a research Paper (Oral) entitled Comparison between the Antioxidant Potential of Leaves and Seed extracts of *Nigella sativa* (Kalonji), *Trachyspermum ammi* (Ajwain), *Trigonella foenum graecum* (Fenugreek) And Assessment of Synergistic effect of Seed extracts by DPPH Assay in the International Conference Emerging Trends in Material Science (ETMS-2021) held online during March 22-23, 2021.
5. Presented a research Paper (Oral) entitled " Challenges and Impacts of Virtual Chemistry Learning at the Undergraduate Level " in the International Conference on Innovations and Challenges in Multidisciplinary Research and Practices (ICICMRP – 2023) held on 6, 7 November 2023.
6. Presented paper entitled DNA Damage Assay: A Key Analytical Tool for Evaluating Antioxidant Potential of Kalonji and Ajwain Extracts in A One Day National E-Conference On “Innovations In Modern Sciences And Research” organized by N. G. Acharya & D. K. Marathe College of Arts, Science & Commerce on Thursday, 2nd April 2026.

### **Poster Presentations**

1. A study of chemical composition and antioxidant properties of *Nigella Sativa* and *Trigonella foenum-graecum* L. seeds , International conference on New Horizons in Synthetic and Material Chemistry , Mumbai , November 2015.

2. Comparative Assessment of Antioxidant Activity, DNA Protection Potential and Antimicrobial properties of *N. sativa* (Kalonji) and *Trachyspermum ammi* (Ajwain) seed extracts, National Conference on “Recent Trends in Chemistry” (RTC-2019) , Mumbai , 2019.

**Faculty Development programme ; Attended no. of faculty development program conducted by GAD TLC.**

- 1) Completed One Week Online National FDP organized by GAD between 29th September to 05th October 2021 on Four-Quadrant Model for Development of E-Content, MOOCs and Teacher’s e-Kit and obtained GRADE “B”
- 2) Completed One Week Online National FDP organized by GAD between 09th February to 15th February 2022 on Use of ICT Tools for Enhancing Quality of Higher Education in India and obtained GRADE “B”
- 3) Participated in One-Week Online National Faculty Development Program jointly organized by Vellore Institute of Technology, Chennai and GAD between 30th March to 05th April 2022 on RECENT ADVANCES IN CHEMISTRY

**Online Refresher :**

- 1) Successfully completed Online Refresher Course/Two Week Faculty Development Program organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi between 14th July to 03rd August 2021 on Outcome based Education and Technology in Higher Education with GRADE “A+”
- 2) Completed successfully ANNUAL REFRESHER PROGRAMME IN TEACHING (ARPIT) - 2020.