

# RUHEENA TABASUM

Assistant Professor,(CHEMISTRY),HIGHER EDUCATION DEPARTMENT

UT OF JAMMU AND KASHMIR,INDIA

Joining Date: 1-05-2010

Mob: +919419400121,+918082630061,

e-mail: [ruheenatabasum123@gmail.com](mailto:ruheenatabasum123@gmail.com)

## 1. Education

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**M.Phil, in Chemistry**, National Institute of Technology, Srinagar, 2009

**M.Sc. Chemistry**, University of Kashmir, 2003.

**B.Ed**, University of Kashmir, 2005

**Persuing Phd** from National Institute of Technology, since 2020.

## 2. Research Interest

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Material Chemistry, Organic Chemistry, Bio-inspired Artificial Surfaces, Laser Surface Texturing.

## 3. Teaching Interest

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Stereochemistry, Reaction Mechanism, Natural product Chemistry, Coordination Chemistry, Aromaticity, Chemical Kinetics, Spectroscopy.

## 4. Professional Experience

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### Teaching Experience

1. **Assistant Professor ,P.G Department of Chemistry, Sri Pratap College from 01/05/2010**
2. **Contractual lecturer** at Govt. Degree College, Bemina, J&K, India for three years.
3. **Lecturer at the S.S.M (10+2), Parrayporra, Srinagar, J&K India in the year 2003.**
4. **Worked at Govt College for Women, M.A. Road., J&K, India as contractual lecturer.**

### Research Experience

1. Junior Research Fellow(CSIR) at National Institute of Technology, Srinagar- Mechanical Engineering Department working in DST project '**High Temperature Tribological Characterization of Non-oxide Ceramics and Composites**' from 10/8/2008 to to 10//10/2009.
2. Master of Philosophy in Chemistry from NIT, SRINAGAR, J&K, on the topic: '**Synthesis Characterization and Study of Electrical Properties of Polythiophene composites with Non Transition Metal Oxides**'.
3. Persuing PhD from **National Institute of Technology, Srinagar:**  
**Research Area- Bioinspired Hierarchial Surfaces For Tailored Wettability**

## 5. Software Proficiency

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MS Office

## 6. Research Publications

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### Articles in refereed/indexed/listed Journals

1. *Comparative Study Of Synthesis, Characterization And Electric Properties Of Polypyrrole And Polythiophene Composites With Tellurium Oxide.* Kowsar Majid **R. Tabasum** A. F. Shah, S. Ahmad, M. L. Singla. **Journal of Material Sciences: Materials in electronics**. Received: 13 June 2008 / Accepted: 22 October 2008. Springer Science Business Media, LLC 2008. **DOI: 10.1007/s10854-008-9817-8.**
2. *Synthesis, Characterization And Electric Properties Of Polythiophene Composites With Various Amphoteric Oxides.* K. Majid, **R. Tabasum**, S. Ahmad and M. L. Singla. **Material Research Innovations 2009 VOL 13 NO 2.** W. S. Maney & Son Ltd. 2009. Received 26 December 2008; Accepted 5 January 2009 DOI 10.1179/143307509X435169. **Maney Publishers (UK)**
3. *Impact Of Armed Insurgency On Man-Wildlife Conflicts In The Valley Of Kashmir, J & K, India.* S Sarvar, **R Tabasum**, S A Untoo, M D Galoo Bisma. **International Journal of Innovative Research and Advanced Studies (IJIRAS)** ISSN: 2394-4404. Volume 3 Issue 9, August 2016. International Journal of Innovative Research and Advanced Studies (IJIRAS) ISSN: 2394-4404. Volume 3 Issue 9, August 2016.
4. *Metal Oxide Materials And Conducting Polymer Composites For Thermal, Electrical And Photocatalytic activity.* **Ruheena Tabasum**. **Asian Journal of Organic and Medicinal Chemistry (AJOMC)**. Vol.7 No.2 (April-June, Special issue-IV 2022) ISSN Online:2456-8937
5. *Oxidation by Colloidal  $MNO_2$ : A review of Reaction Kinetics in Aqueous and Micellar Medium.* Misbah Zahoor, **Ruheena Tabasum**. **Parishodh Journal**, ISO 7021-2008. ISSN no 2347-6648 Volume 8, Issue 11, Nov 2011

### 7. News Paper Articles in the Editorial Section:

1. Examination Related Stress, Published in Greater kashmir on March 21, 2018 (<https://www.greaterkashmir.com/author/ruheena-tabasum>)
2. Give Wings to Imagination-Novelty to Education published in Kashmir Reader on Dec,15,2021.( <https://kashmirreader.com/2021/12/15/give-wings-to-imagination-novelty-to-education/>)
3. Deatails of Mystry of the Urban Monks-Book Review published in Srinagar Observer on January 22, 2022
4. Effective Teaching Skills part 1 published in Risisng Kashmir on July 25, 2022 (<https://www.risingkashmir.com/Effective-Teaching-Skills---I>)
5. Effective Teaching Skills part 1 published in Risisng Kashmir on July 26, 2022(<http://risingkashmir.com/effective-teaching-skills--ii>)

## 8. Papers Presented in Seminar/ Conferences/Workshops

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1. Presented a paper-*Wildlife Conservation Issues in the conflict zone of Kashmir, J & K, India* in **Two Day National Seminar on Natural Resources of the North Western Himalayas: Threats, Evaluation and Conservation** organized by **Sri Pratap College and ICSSR, Punjab University Chandigarh, 26-27, March, 2014**

2. Presented a paper in **National Seminar on National Development through Science and Technology** organized by **Indian Science Congress Association-Srinagar Chapter, University of Kashmir**, 25-26th September 2017.
3. Presented a paper in a **National Symposium- Frontiers in Chemical Sciences (FICS)-2017** organized by Govt Degree College, Sopore, 4-5 November, 2017.
4. Presented a paper entitled "**A preliminary study on Life style diseases among students of Sri Pratap College**" in the Seminar on 'Mental Readiness' organized by Extension Activities Committee of Sri Pratap College, Srinagar on 27th November, 2021.
5. Participated and presented the Paper in 2 Day International Conference on Electronic and Computational Multidisciplinary Advances organized by Interdisciplinary Research Hub Electronics, IT and Computer Science, S. P. College on 9-10, Nov, 2022.

## 8. Invited Talks

1. Provided Invited Lectures at Jammu and Kashmir Board of School Education, Srinagar. 2015-2016
2. Invited lecture On the topic "**Chemistry of Agriculture**" delivered at Govt.Degree College, Pattan, Baramulla in **Five-Day Industrial and Agrarian entrepreneurship Development workshop cum Seminar** from 23-27th March, 2021.
3. Invited lecture at Sri Pratap College during **29th National Children Science Congress 2021** on the topic of **Scope of Science** on 4th December, 2021.
4. Invited lecture at Sri Pratap College during the Seminar **Your Mind Matters** organized by Extension Activities Committee of the College on 08/10/2021.

## 9. Conferences/Seminars/ Workshops Attended

### Conferences

1. Participated in week long **National Science Festival** organized by **Cental University of Kashmir, Ganderbal & University of Kashmir** in collaboration with **Vigyan Parishad**, New Delhi from February 22-28, 2022.

### SEMINARS

1. Participated in **Two day National Seminar cum Workshop on Skill Development in Biotechnology** organized by Sri Pratap College in Collaboration with Department of Biotechnology and Bioinformatics-20-21, November,2017.
2. Participated in **One Day Seminar- Women's: Issues and Concerns** organized by Sri Pratap College, 20 October, 2017.
3. Participated in **Two day National Seminar on-Scientific Temper: Nurturing for Future** organized by Sri Pratap College, 27-28, November, 2018.
4. Participated in the **Debate/ Delibrations on International day Against Drug Abuse and Illicit Trafficking,2019** organized by SKIMS Medical College, Bemina, Srinagar on 26th June, 2019.
5. Participated in **National Webinar on Advances in Diagnostics of Viruses - from ELISA to Next Generation Sequencing** organized by PG and Research Department of Zoology, Farook College on 4 July, 20.

## Workshops

6. Participated in **Two day workshop on 'Script Writing and Content Generation'**.Development & Educational Communication Unit, ISRO, Ahmadabad. (23-24 March,2011)
7. Participated in **One week UGC sponsored Capacity Building of Women Managers in Higher Education** organized by the Islamia College of Science and Commerce.(15-19 April, 2013)
8. Participated in **Eight day UGC sponsored Science workshop on the topic "Chemistry: Transforming our Daily Life"** at Islamia college of Science and Commerce. (24 Feb to 3<sup>rd</sup> March, 2015)
9. **Participated in UGC Sponsored Two-day workshop on 'Analytical Laboratory Techniques: Applications and Future Prospects'** Organized by Islamia College of Science and Commerce, Srinagar (16-17 February,2016)
10. Participated in **Two Day State Level Workshop on Basic Techniques of Bioinformatics and Drug Designing** organized by Department of Biotechnology and Bioinformatics, Sri Pratap College, Srinagar, 2-3 May, 2017.
11. Participated in **One Day Workshop on the theme 'Recent Advances in Nanoscience and Technology'** organized by Department of Physics, Sri Pratap College in collaboration with J & K State Science Technology and Innovation Council, Srinagar, 6 October, 2018.
12. Two Week online **Research Orientation Workshop on Research Prospects in Present Era organized** by Sri Pratap college, Srinagar from 7th to 22nd March,2022.
13. Participated in 2 Day National Workshop on Entrepreneurship, Innovations and Start-ups, 15-16 Nov, 2022 organized by Centre for Innovation and Entrepreneurship Development S P College Srinagar in collaboration with JK Science Technology and Innovation Council, Deptt of Science and Technology

## TRAINING PROGRAMMES

1. Attended TEQIP-III sponsored **One Week online Short Term Course on Chemistry of Advanced Materials(CAFM-2020)** organized by Department of Chemistry, National Institute of Technology, Srinagar from 21-25 September-2020.
2. Attended **One Week Training Programme for NSS Officers** of Jammu and Kashmir organized by empenneled Tarining Institute (ETI), NSS, University of Kashmir, Srinagar and sponsored by Ministry of Youth Affairs and Sports, Govt of India, New Delhi from 22-28th March, 2021.
3. Successfully Completed the **Govt Officials Training Programme on Internet of Things** organized by NIELIT, Chennai (Ministry of Electronics and Information Technology) from 17-28 January, 2022.
4. Successfully Completed in 3 Weeks Winter School Programme on GEOSPATIAL SCIENCE and Technology Level 1 at University of Kashmir from 1st Dec-21<sup>st</sup> December, 2022 organized by Department of GeoInformatics, University of Kashmir.
5. Participated in IP awareness cum Training Programme under National Intellectual Property Awareness Mission on 22<sup>nd</sup> Dec, 22.

## Career Advancemnt

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### Orientation/Induction Programme

- Four week UGC Sponsored General Orientation Course from 22<sup>nd</sup> November, 2010 to 20<sup>th</sup> December, 2010 at Human Recourse Development Center (previously Academic Staff College), University of Kashmir, J & K, India.

### Refresher

- Three week UGC Sponsored Refresher Course in Computer Application from 26<sup>th</sup> December, 2013 to 20<sup>th</sup> January, 2014 at Human Recourse Development Center (previously Academic Staff College), University of Kashmir, J & K, India.
- Participated in On-line 2-week Refresher Course in Chemistry from teaching Learning Centre, Ramanujan College, University of Delhi.

### Short-term Course

1. Participated in One week online Short-term course in Academic and Scientific Writing organized by UGC-HRDC Guru-Nanak Dev University, Amritsar from 21-27 October, 2021.

### Faculty Development Programmes

1. Participated in **Three Day Virtual Faculty Development Programme on Emerging Trends in Chemistry** organized by the Department of Chemistry Kongu Engineering College, Perundurai, Erode, Tamil Nadu from 13-15 December, 2021.

## 13. Conferences/Seminars/Workshops Organized

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1. Member Organizing of Two Day National Interdisciplinary Science Conference-2015 at S.P. College (18-19, August, 2015)
2. Organizing Committee Member of Two Day National Seminar on Natural Resources of the North Western Himalayas: Threats, Evaluation and Conservation organized by Sri Pratap College and ICSSR, Punjab University Chandigarh, 26-27, March, 2014
3. Organising Secretary in the event Cancer Prevention and Healthy Life Style organized by the NSS units of Sri Praptap College in Collabaration with Sanjeevani Life Beyond cancer on 3rd December 2020
4. Organising Secretary in the event Coffee with Your Success organized by the NSS units of Sri Praptap College in Collabaration with Art of Living J &K on 16th September, 2020
5. Organising Secretary in the event Healthy You organized by the NSS units of Sri Praptap College in Collabaration with Art of Living J &K on 12th November, 2020

6. **Organizing Secretary Two Day 29th National Children Science Congress 2021** on the topic of Scope of Science on 4th-5th December,2021.
7. **Project Evaluator Two Day 29th National Children Science Congress 2021** on the topic of Scope of Science on 4th-5th December,2021.
8. **Project Evaluator One Day 30th District Level (Srinagar) National Children Science Congress 2022** on 27th October,2022.
9. **Project Evaluator One Day 30th District Level (North) National Children Science Congress 2022** on 29th October,2022.
10. As Convenor Cultural and Extension Activities Committee at S. P. College, Srinagar, organized 5 Day Workshop for students on the theme KOSHUR ROUF MIZAH AND PROVERBS from 22-26<sup>th</sup> Nov, 2022.

#### **14. Administrative Responsibilities (Govt/ Quasi Govt./Universities)**

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1. **NSS Programme Officer from 2018-19 of the Sri Pratap College, Srinagar.**
2. **Member, Board of Studies(UG and P.G.), for School of Sciences, Cluster University Srinagar.**
3. **Member Cultural Committee Cluster University Srinagar**
4. **Member Extention Activities Committee Cluster University Srinagar**
5. **Member Proctoral Board of the Cluster University, Srinagar.**
6. **Proctor, Sri Pratap College, Srinagar**
7. **Convenor Extention Activities Committee sri pratap College Srinagar**
8. **Nodal Officer for the Kashmir Division colleges for Talent Hunt Programme to be conducted by Director General (Planning) Department of Culture Civil Secretrait J&K cultural activities**

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#### **16. Awards / Prizes Conferred**

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1. **Awarded Certificate of Appreciation by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Gol for co-ordination in the area of Hospital Management and Non-Hospital Management.**

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#### **19. Author profiles and identifiers**

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1. **Attended workshop for the development for the Development of textual material for J&K Board of School Education (JKBOSE) for class X and class VIII. I am one of the authors of 10<sup>th</sup> class science text Book and class VIII text book of JKBOSE.**

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#### **20. Miscellaneous**

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1. **Associated with Radio Kashmir through the monthly science magazine 'Science ki Dunya'.**
2. **Provided live lectures through EDUSAT- HUB, Government College for Women, M. A. Road, Srinagar. ( V-SAT)**

3. Participated in Chenab Valley Youth Festival organized by Jammu University, Baderwah Campus in 2018
4. Participated in Seven days Kashmiri Youth Exchange Programme organized by Nehru Yuva Kendra Sangathan, Ministry of Youth Affairs and Sports, Govt of India held at Telangana State, 11<sup>th</sup> -16<sup>th</sup> December, 2018.
5. Participated as NSS programme Officer in National Integration Camp organized by NSS office New Delhi in Collaboration with University of Jammu from 21<sup>st</sup> Feb to 28<sup>th</sup> Feb 2020.