

**Dr. Aparna Joshi**  
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- Working as a Science Educator in the Department of Elementary Education, Gargi College, University of Delhi since 2003
- Presently, I am Teacher-in-charge of the Department of Elementary Education, Gargi College
- Completed my PhD from Zakir Hussain Centre of Education, JNU
- Contributed as a resource person for Swayamprabha EVS live interactive Sessions organized by NCERT during the pandemic <https://youtu.be/nhwLyI7Nq1> and mentored four of my pedagogy science students to take 15 live interactive sessions for NCERT during the pandemic.
- Contributed nine modules for MOOCs in 4-quadrants for online certification course in EVS for primary teachers running successfully in its second cycle on Swayam portal [https://onlinecourses.swayam2.ac.in/nce20\\_sc04/preview](https://onlinecourses.swayam2.ac.in/nce20_sc04/preview)

#### **Positions held:**

- Co-convenor for B.El.Ed Entrance exam for 2020-21
- Teacher-in-charge of the Department of Elementary Education, Gargi College from 2013-15.
- Engaged in the review of the B.El.Ed curriculum for science papers in 2012- 2013 and part of science curriculum restructuring.
- Member of NCERT Textbook writing team for EVS class V (2007-08).
- Member of NCERT supplementary material writing team entitled for primary stage (June 2017)

#### **Publications:**

- Simmi's Journey Towards Cleanliness, June 2017 (Primary stage supplementary material)
- Gupta, M. Joshi, Aparna, Modem, Sailaja. et al. (2016). Reflective Practice of Ecological Living in Educational Settings. DU Journal of Undergraduate Research and Innovation, Vol. 2 (2), 7-16. <http://journals.du.ac.in/ugresearch/pdf-vol5/2.pdf>
- Unit 11 for course BES 019: Teaching of Science for Diploma in Elementary Education, 2014
- A Unit for Certificate Programme for Professional Development of Teachers (CPPPDT), 2014
- EVS-Looking Around, Grade 5, March 2008 ( both Hindi and English)

- As part of Innovative project (2014-16) GC 203 brought out a compendium, titled 'Green Activities for Primary School Children: A Resource Book' that can be of use both for student teachers and teacher educators and
- An audio-visual resource, titled 'Listening to Our Planet' that represents the key learnings of the student-teachers from this project has also been created.

#### **Paper Presentation:**

- Presented a paper titled, "Embedded Values in Science Textbook" in the workshop Engaging Science : Conversation Across Disciplines organized by IISER Mohali from 7th to 9th November, 2019
- Presented a paper titled, "Embedded values and representation of farmers and farming in class 8 NCERT textbook" in the 9<sup>th</sup> International Conference, 'Modernity, Transformative Social Identities and Education in Comparative Contexts', held on 14-16 December, 2018 organised by Maharaja Sayajirao University, Vadodara.
- Poster presentation and participation in the STEM Teacher Training Workshop on Research-Based Pedagogical Tools (Level 1) held from 28th September to 1st October, 2018

#### **Recent contributions:**

- Contributed as a resource person for a review of EVS Curriculum and Textbooks in light of NEP2020 organised by DEE, NCERT on 19th Nov 2020
- Contributed as a resource person for the development of e-content in EVS organised by DEE, NCERT from 15th to 18th, DEC, 2020
- Contributed as a resource person for a Webinar on 'Science: Vision in NEP 2020' organized by the Science Society, Vigyan Sanjeevani and Department of Education, Aditi Mahavidyalaya, DU for celebrating the National Science Day, 28th Feb 2021.

#### **Research Work:**

- Ph.D titled: An Analysis of Embedded Values in NCERT Science Textbooks: Post National Curriculum Framework 2005
- Part of Delhi University funded Innovative research project GC 203: To Deepen Understanding of Practices in 'Ecological Living': A Multidisciplinary Approach.
- M.Phil Dissertation: "To evolve a theoretical framework in science education based on situated cognition approach", under the guidance of Prof. Bharati Baveja
- M. Ed Dissertation: A study of Problem Solving Processes used by high achievers and low achievers in science under the guidance of Prof. Bharati Baveja.

#### **Key responsibilities in College:**

- Presently convener of the Quizzito: The quiz society of Gargi College and actively involved in the NAAC-related work of the department and the cultural society.

- Previous years have been NSS convenor for Gargi College (2008-10 and 2014-16) and part of other societies.
- Have been actively organizing science hand-on workshops and lectures in collaborating with Vigyan Prasar and other organizations.
- Earlier organized educational visits to alternative/innovative schools for 3<sup>rd</sup> year students to various institutions like Bodh, Digantar, Lakshmi Ashram and Aurobindo Ashram.
- Organizing placements for final year B.El.Ed students and have exposure of organizing workshops/seminars/panel discussions for students and in-service workshops for teacher.

### **Educational Qualification:**

- PhD in Philosophy of Science
- UGC-NET in Education
- M. Phil in Education from CIE, University of Delhi (2001-2004)  
Specialization: Descriptive Research, Psychology of Learning & Instruction and Education and Information Technology
- M.Ed from University of Delhi (2000-2001)  
Specialization: Education Technology and Educational and Vocational guidance.
- B.Ed from University of Delhi (1999-2000)  
Specialization: Teaching of Chemistry at senior or secondary level and Career Guidance
- M. Sc (Chemistry), University of Delhi (1997-1999)  
Specialization: Organic Chemistry

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