




Aditi Mahavidyalaya

Faculty Details



Titl e	Professor	First Name	Manish a Dabas	Last Name	Wadhwa	Photograph
Designation	Professor					
Department	Education					
Address	3C – 15, New Rohtak Road, Opposite Liberty Cinema, New Delhi 11005					
Phone number	9818766667					
Email	manishaw@aditi.du.ac.in					
Web-Page	Under construction					
Educational Qualifications						
Degree	Institution				Year	
B.Sc (Hons) Physics	Hindu College, University of Delhi				1993	
M.Sc (Physics)	Hindu College, University of Delhi				1995	
B.Ed.	Department of Education (CIE), University of Delhi				1996	
M.Ed.	Department of Education (CIE), University of Delhi				1997	
M.Phil.	Department of Education (CIE), University of Delhi				2000	
Ph.D.	Department of Education (CIE), University of Delhi				2011	
Career Profile						

Joined Aditi Mahavidyalaya as Lecturer in Education in the year 1999 (on permanent basis) and Promoted to Associate professor in 2011 and now working as Professor in Education since 2019

Administrative Assignments

Nodal Officer, Azadi ka Amrut Mahotsav

Areas of Interest / Specialization

Science Education, Environment Education, Elementary Education

Subjects Taught

Pedagogy of Environment Studies (B.El.Ed.)

Pedagogy of Natural Science (B.El.Ed.)

Researching Children and childhoods in India (BA (Prog) Skill Enhancement Course)

Media in Education (B.A. (Prog) Skill Enhancement Course)

Project (Practicum: Based on school internship) (B.El.Ed.)

Research Guidance

- M.Phil. Degree awarded to Ms Sheetal on the topic “Experiences of Visually Impaired Students in Higher Education: An Exploratory Study” by Faculty of Education, University of Delhi in Oct 2019
- Ph.D. Thesis awarded to Jyoti Sethi on the topic Mathematics for Social Justice: Teachers' Dialogic Reflection by Faculty of Education, University of Delhi under Joint Supervision in August 2020
- Ph.D. Thesis awarded by Ms Parul on the topic ‘Critical Sexuality Education: Exploring Children’s Agency’ to Faculty of Education, University of Delhi under Joint Supervision in July 2021
- Mentor in Teacher Fellowship Programme 2013 -14: Mentor of Research Fellow Puja Prathisthala for the Project titled Exploration of Mathematics Learning of School Girls in Teacher- Fellowship Programme of Regional Resource Centre of Elementary

Education (RRCEE), University of Delhi. The fellowship is offered to in-service teachers for action research projects.

Research Papers (Web link to the paper, if online available, or pdf of the paper)

- Vision of Science Education in National Educational Policy 2020, in Voices of Teachers and Teacher Educators, Published by NCERT Vol XI, Issue 1, July 2022, pp 59 - 68, ISSN 2455-1376 (UGC Listed Journal) chrome-extension://efaidnbmninnibpcajpcglclefindmkaj/https://ncert.nic.in/pdf/publication/journalsandperiodicals/vtte/VTTE_VolXI_Issue1_July2022.pdf
- Ethics in Teaching: Creating a Culture of Constructivist Feedback, MERI Journal of Education, volume XVII, No 2, Oct 2022, pp 45-52, ISSN 0974-2085
- Early Childhood Care and Education: NEP 2020 and the Way Forward, Navtika, A Journal of Early Childhood Care and Education, Vol XIII, No 2, March 2023, pp 44 - 46, ISSN 2348-8824
- Fun with Pranali: Students' Engagement with Edu-Tech Tools, Integrated Journal of Social Science, 2022, 9(1), pp 1-5, ISSN: 2348-0874 <http://www.pubs.iscience.in/journal/index.php/ijss/article/view/1405>
- Assessment in Online mode of Teaching and Learning, MERI Journal of Education, volume XVII, No 1, April 2022, ISSN 0974-2085
- शिक्षा में मीडिया की चुनौतियाँ ,Apni Maati, Online Journal, 2022, 40, ISSN 23220724 (UGC Listed) https://www.apnimaati.com/2022/03/blog-post_42.html?m=1
- Covid-19 Vaccine Acceptance and Determinants– An Online Cross-sectional Survey in Kerala, India, 2021, National Journal of Community Medicine, Volume 12, Issue 12, December 2021, pp432-437, pISSN 0976 3325 | eISSN 2229 6816, DOI: 10.5455/njcm.20211021095953 <https://njcmindia.com/index.php/file/article/view/226>
- Teachers' Resilience during Covid 19, Integrated Journal of Social Science, 2021, 8(1), pp 18-23, ISSN: 2348-0874 <http://www.pubs.iscience.in/journal/index.php/ijss/article/view/1404/793>

- Challenges faced by Students during Online Learning in MERI Journal of Education, volume XVI, No 2, Oct 2021, pp 93-99, ISSN 0974-2085
- Lifestyle during Covid-19: Impact on Health and Psycho-Social Well-Being, Sambodhi, Vol 44. No 01 (XVI), 2021, pp 141 – 149, ISSN 2249-6661 (UGC Listed)
- Our Lives in Pandemic: Online Teaching – Learning, International Journal of Teacher Education and Teaching, Chicago, Vol 1, Issue 1, Jan 2021, ISSN 2694-2267, 51-59
- Transition from Smart Board to Online: Technology in Education, MERI Journal of Education, volume XVI, No 1, April 2021, pp 64- 73, ISSN 0974-2085
- Clean Water and Sanitation: Preparedness of Health Activists, Sambodhi, Vol 44. No 01 (XI), pp 220-226, ISSN 2249-6661 (UGC Listed)
- Understanding Students’ Alternative Conception: A Mirror to their Thinking, Integrated Journal of Social Science, 2020, 7 (1), 9 – 13, ISSN 2348 0874 <http://www.pubs.iscience.in/journal/index.php/ijss/article/view/1113/685>
- Wadhwa, Manisha (2020) Bhartiya Shiksha mein Gandhi ka Yogdayaan, Apni Maati, Online Journal Vol 33, Sept 2020, ISSN 2322 0724 (UGC Listed) https://www.apnimaati.com/2020/10/blog-post_66.html
- Engaging Children with Dialogues in Science Classroom, MERI Journal of Education April 2020, Volume XV, No 1, pp 94- 103, ISSN 0974-2085
- Stories in Primary Classrooms: Lessons for Teacher Education Curriculum, Jamia Journal of Education, A Peer Reviewed Refereed International Biannual Publication, 2020, Vol 6, No 2, pp 39 – 51, March 2020, ISSN 2348 3490 chrome-extension://efaidnbnmnibpcjpcglclefindmkaj/https://www.jmi.ac.in/upload/menuupload/jamiajournalofeducation_vol6_n2_2020march.pdf
- Challenging Stereotypical Notions of Discipline in Elementary Schools: Building a Positive Classroom Environment, Indian Journal of School Health and Well Being, 2019, Vol 5, No 2, ISSN 2349-5464, pp 1 – 10.
- Innovations in Science Pedagogy: Children’s construction of Knowledge of Concepts and their Socio-Cultural Context, Jamia Journal of Education, A Peer Reviewed Refereed International Biannual Publication Vol 6, No 1, 2019, ISSN 2348 3490 <chrome->

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- Voiceless Children: Bullying in a Primary School, MERI Journal of Education 2019, volume XIV, No 2, pp 1- 22, ISSN 0974-2085
- Children’s Questions in Science Classroom: A Potential Source of Learning, Integrated Journal of Social Science, 2018, 5 (1), 41 – 46, ISSN 2348 0874 <http://pubs.iscience.in/journal/index.php/ijss/article/view/648>
- Developing Process Skills in Environment Studies, The Primary Teacher (Published by NCERT UGC Care listed Journal), 2018, Vol XLIII, No 2&3, pp49-59, ISSN 0970-9282 [chrome-extension://efaidnbmnnnibpcajpcgiclfndmkaj/https://ncert.nic.in/pdf/publication/journalsandperiodicals/theprimaryteacher/PRT_April_July2018.pdf](https://ncert.nic.in/pdf/publication/journalsandperiodicals/theprimaryteacher/PRT_April_July2018.pdf)
- A Peep into Healthy School Environment, Indian Journal of School Health and Well Being, 2018, Vol 4, Issue 2, pp 50 – 59, ISSN 2349-5464
- Child’s Construction of Knowledge: Role of Activities Classroom, Integrated Journal of Social Science, 2017, 4 (1), 20-25, ISSN 2348 0874 <http://www.pubs.iscience.in/journal/index.php/ijss/article/view/483/682>
- Nature of Science in B.El.Ed. Course, in, The Indian Educational Researcher, Chennai, 2009, Vol 4, No 2, pp 27 – 34, ISSN 0974-2123.
- Environment Education: Learning Science Outside the Classroom, University News (Journal of Higher Education), Delhi, 2006, Vol 44, No 12, pp138 – 141, ISSN No 0566-2257.
- The Role of Language in Learning of Mathematics, International Journal - Commonwealth Association of Science Technology and Mathematics Education (CASTME), 2006, Vol 26, No 1, pp 35-42, ISSN 0264-3138.

Books/ Chapters in books

Book

- NCERT (2008) Source Book on Assessment for Classes I – V: Environmental Studies, New Delhi: NCERT (As a part of a team) ISBN 9788174508546

Edited Book

- Jain, S., Wadhwa, M.D. and Rathi, N. (Ed) (2015) Issues and Concerns of Elderly People in India, Delhi: Book Age ISBN 9789383281510

Publication in a Newsletter

- Pedagogical Challenges of Digital Education, CEC News, Consortium of Educational Communication, 2021, Vol 22, No 11, pp 11-13

Chapters in books

- 3 chapters in the reading material developed by School of Open Learning in 2022, University of Delhi for Skill Enhancement Course IV (SEC)- Media in Education for B.A. (Prog) students for Education Discipline titled - Mass media in Education- Print media (Lesson 3, pp 25 – 34); Mass Media in Education - Electronic and Digital Media (Lesson 4, pp 35 -47); Understanding the Media Culture: Shaping Views, Experiences, Taste and Interaction (Lesson 6, pp 68- 75)
- A Journey into Grounded Theory Research: A tale of Few Researchers in Kumar, S. (Ed) Action Research and Grounded Theory: Evidence Based Practices in Education, New Delhi: Kanishka Publishers,2019, pg 8 – 12, ISBN 978-81-8457- 862-1
- Engaging with Pluralism in a Primary Classroom in Sandeep Kumar and Vandana Saxena (Edited)Psychological and Sociological Perspective in Diversity and Inclusion Anthology of Researchers and Practitioners 2018 New Delhi: Kanishka Publishers, 2018, ISBN 978-81-8457-841-6
- Teaching as a Profession: Extent for Employ-ability in book Manisha et.al. (Ed) Income Generation Challenges and Opportunities, by Akshar Publishers, 2017, ISBN no 97893856001
- Teaching Learning in Indian Schools: Considerations for Children with Special Needs in Gupta, S.P. and Singh, D. (Ed) Energizing Inclusive Education, New Delhi: Pentagon Press, 2016, pp 151-159, ISBN 978-81-8274-884-2

- Retention in Schools: Experiences of Pre-service Elementary Teachers in Delhi in Sehgal, A. et.al. (Ed), Inclusion: A Rainbow of Chaos New Delhi: Pinnacle Learning, 2016, pp 169 – 179, ISBN 9789383848171
- Happy Old Age: A Myth or Reality in Jain, S. et.al. (Ed) Issues and Concerns of Elderly People in India Delhi: Book Age, 2015, pp 43 – 56, ISBN No 978-93-83281-51-0
- Addressing Nature of Science in Elementary Teacher Education using Contemporary Issues’ in Akalamkam, K. and Sharma, S. (Ed) Pedagogic Trajectories published by New Delhi: Synergy Books India, 2015, pp 151- 159, ISBN- 9789382059301
- Exploration of Mathematics Learning of Schools in Delhi, Episteme – 6 (Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research), Cinnamon Teai Publishing, Mumbai, 2015, pp 67- 75, ISBN 978-93-85523-48-9
- Drawing Inferences from Observations: Using ‘Structure of the Atom’ for Developing an Understanding of the Nature of Science in Kapur, V. (Ed) Discourses in Education, New Delhi: The Book Line, 2014, pp 12- 24, (ISBN 9789382524175)
- Addressing Understanding of Nature of Science: A Study of Pre-service Elementary Teachers, Episteme – 5 (Homi Bhabha Centre for Science Education, TIFR), Cinnamon Teai Publishing, Mumbai, 2012, pp 200-206, ISBN 978-93-81542-83-5
- Environment Education for Sustainable Development in Saxena, V. (Ed) Contemporary Trends in Education – A Handbook for Educators, Delhi: Pearson, 2012, pp 78 – 109, ISBN 978-81-317-5948-6.

E Content Developed

Video Lectures for NIOS (National Institute of Open Schooling) under MHRD Project for DTH Channel SWAYAM PRABHA (Channel 32: Teacher Education) for D.El.Ed. course 505 (Pedagogy of Environment Studies) run by IGNOU in 2018. The following video lectures are available at YouTube, the links mentioned

1. Environment as an aspect of Learning (<https://youtu.be/bLfCReGeFGg>)
2. Understanding Environment and its Role in Development of Children (<https://youtu.be/yvuL-H0Tak8>)
3. Using Locally Available Resources in EVS (<https://youtu.be/Wm6J-xC8-44>)
4. Thematic Organisation of Content in EVS (<https://youtu.be/XxOTMzCJ84M>)

5. Teaching Learning Method: Observation (<https://youtu.be/ZnHn4GOpjRg>)
6. Teaching Learning Method - Group Discussion (DTH Channel, SWAYAM PRABHA)
7. Teaching Learning Method - Field Visit (<https://youtu.be/aB5tAOWKTXI>)
8. Assessment Tools in Environment Studies - Characteristics and Selection (<https://youtu.be/CXi7TbvPkgM>)
9. Additional Ideas for Assessment in EVS (<https://youtu.be/NceLzQu8BSY>)
10. Recording and Reporting Students' Progress: EVS (<https://youtu.be/72KSN6wLUhU>)

Conference Organization/ Presentations (in the last three years)

Paper Presentation

- Role of Indian Women in Peace Building: Takeaways from the Environmental Issues, International Conference (Sponsored by ICSSR) on India as a Global Leader in Peace Building on June 27, 2022 organized by Aditi Mahavidyalaya in collaboration with Media Adhyayan Kendra, New Delhi
- Paper titled presented '**Teacher Education in the Changing Scenario: A Hope towards Sustainable development**' in Jamia International Conference on education on the theme Outcome based Curriculum and Pedagogical Demands in the post covid era' organized by Department of Teacher Training and Non-formal Education, Faculty of Education, Jamia Millia Islamia from 6 -8 May, 2022
- Science Education for Sustainable Development, International Conference on Incremental Changes in Higher Education by MTTC, Thiruvanthapuram, Kerala on March 4, 2022
- Presented a paper titled "**Inclusion in Schools: Challenges and Possibilities**" in a UGC sponsored National Conference on Unfolding the Potential of women including Girls and children: Enhancing the benefits Exponentially for one and all – Sabka Saath Sabka Vikas organised by Aditi Mahavidyalaya on March 27, 2021 through online platform.

- Presented a paper titled “**Water and Economics**’ in a UGC sponsored National Conference on ‘Water Scarcity and Sustainability: A Jal Shakti Abhiyan Perspective’ organised by Aditi Mahavidyalaya on March 9th, 2021 through online platform.
- Paper presented titled ‘**Universal Civil Code; Vision of Dr B.R. Ambedkar**’ in an International webinar organized by IQAC, Aditi Mahavidyalaya on 14 April, 2020

Invited Resource Person (in the last three years)

- Invited Panelist on the topic “**Challenges of Research Writing in Diversity and Inclusion**” on Jan 2, 2020 organised by Department of Education, University of Delhi, Delhi
- Resource Person for a session on Environment Education: Evolution and Significance as a Discipline (90 minutes) in a National Webinar on ‘**Evolving Perspectives on Environmental Education**; (under the Aegis of IASE, MHRD) organized by Department of Education, University of Delhi) on March 6th, 2021
- Invited resource person in an Open House Discussion on ‘**National Professional Standards for Teachers**’, under NEP 2020 organized by National Council of Teacher Education (NCTE) and ILL, University of Delhi on Dec 16, 2021
- Invited speaker on a webinar on ‘**NEP 2020: Opportunities and Challenges**’, Department of Education, University of Delhi on Feb 4, 2022
- Invited resource person for 2 sessions on ‘**Classroom based Research: Issues and Challenges**’, in the Faculty Development Programme for Higher Studies organized by ILL, University of Delhi and MHRFDC on Feb 28, 2022 and March 7, 2022 under PMMMNMTT Scheme
- Invited resource person for a session on ‘**Handling Misconduct: Developing Skills to give Constructive Feedback**’ in an online FDP of 5 days under Guru Dakshta Faculty Induction Programme on Academic Integrity and Professional Ethics on June 23, 2022, organized by Amity University, Noida
- Chair the sessions for Oral (Paper) Presentations on 15th March 2023 in the National Seminar on Innovation in Higher Education through Public-Private – Partnership (PPP)

Model organized by Cluster Innovation Centre, University of Delhi from 13-15 March, 2023

- Chair the session in a National Conference on the theme ‘National Education Policy 2020: An Amalgamation of Tradition and Modernity’ organized by BLM College of Education and Indian Institute of Advance Studies Shimla on Sept 5, 2022.
- Invited resource person in a Panel Discussion on **Scientific Temper among Students** on Feb 22, 2023 organized by Department of Elementary Education, Institute of Home Economics, University of Delhi.
- Invited speaker on **Critical Reading Session on Global Warming**, on Feb 21, 2023 organized by NSS, Aditi Mahavidyalaya, University of Delhi

Curriculum Development

- Joint Convener of the Committee constituted by Faculty of Education, University of Delhi, for preparation of syllabus of BA Prog Education under NEP 2020
- Member of team for development of syllabus for BA Prog (Education) in which there were 6 discipline courses (namely Basic Concepts and Ideas in Education, Understanding Human Development, Education in Contemporary India, Understanding Human Learning and Cognition, Education in Plural Society, Education in India: Policy and Practice) and 4 skill enhancement courses (namely Researching Children and Childhoods in India, Making the Workplace Inclusive, Reflective Learning, Media and Education) under **Learning Outcome-based Curriculum Framework (LOCF)**. The syllabus became effective from 2019 -2020, Annexure 183, University of Delhi.

Research Projects (Major Grants/Research Collaboration)

- **Minor Research Project (2008 – 2009)** funded by University Grants Commission: Developing Modules for Understanding of the Nature of Science
- **Innovation Research Project (AM- 202)** titled as ‘Nutrition and Psycho-social well-being of Elderly Population of Rural Delhi’, Nov 2013 – March 2015, funded by

University of Delhi with a grant of 3.5 lacs. The project involved survey of 200 Rural Elderly population for identification their needs for health, nutrition and Psycho-social well-being. Later in-depth interviews of selected sample and workshop of elderly people was conducted to address their concerns.

Awards and Distinctions

Awards

- **Best Teacher Award**, under the category College Lecturer Award given by Govt. of National Capital Territory of Delhi on 2018-04-03

Distinctions

- Post Graduate Diploma in Higher Education (PGDHE) from Indira Gandhi National Open University, 2006
- J.R.F. in Education (1997 – 1998) during the M.Phil. programme and research conducted on “Factors Influencing the Learning of Physics”, Department of Education, University of Delhi.
- National Scholarship, Scheme of Scholarship Cell of University of Delhi, Delhi 1996
- National Scholarship Holder, Sponsored by MHRD, Govt. of India (1988 – 1993)

Association With Professional Bodies

- Life Membership of International Association of Engineers (IAENG)
- Life Membership of Comparative Education Society of India
- Life Membership of All India Social Science Congress
- Lifetime member of Common Wealth Association of Science, Technology, Mathematics Educators (CASTME) – Asia Chapter

Other Activities

- Member of the NCTE (National Council for Teacher Education) high level committee (2020) to design and develop an appropriate norms and standards for six months bridge course for teachers to be appointed as elementary school teachers in schools as per the gazette notification dated 28/ 06/ 2018.

- Member of the Committee constituted by National Council for Teacher Education (NCTE), for implementing the Recommendations (7, 22, 23) of Justice Verma Commission, 2013
- Coordinator of one week interdisciplinary online Faculty Development Programme (FDP) on National Educational Policy 2020: Implementation and Challenges, in collaboration of Aditi Mahavidyalaya and Mahatama HansRaj Faculty Development Centre under PMMMNTT Scheme from 6th – 11th September, 2021