

Resume

Name: Dr. Mridula D. Ranade

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Educational Qualifications: M.Sc. (Zoology), Ph.D. (Education)

Academic achievements:

- Recipient of National Merit Scholarship
- University rank holder at graduation level
- 1st rank in college and 2nd in the University in M.Sc. Examination
- 1st rank in the University in BEd, M.Ed. and M.Phil. Examinations

Title of M.Phil. Dissertation: "A Study of the Influence of Change in the Medium of Instruction on Academic Achievement in Science and Mathematics of Students in Higher Secondary Stage".

Title of Ph.D. Thesis: "A study of the Development of Inquiry Process in Students with Different Levels of Intelligence."

Presently working as:

Lecturer (Senior grade) in the Post Graduate Department of Education (Pune), S.N.D.T. University.

Recognized Ph.D. Guide of SNDT University

Teaching Experience:

- 1+4 years as lecturer and teacher of Zoology in Senior and Junior colleges respectively.
- Lecturer of Education at the Post-graduate level since 1991.

Research Guidance: Guided over 45 M.Ed. students. 1 Ph.D. student is registered at present.

Published works, papers presented in conferences and researches undertaken

Wrote training material on "Biology teaching" for refresher course booklet for Junior College Teachers (H.Sc. Board, April 1999).

Presented a paper on "**Assessment Techniques for Science Teaching**": published in "Departmental Research Support "Report, S.N.D.T. College of Education, Pune (1999).

Paper on "**Training of Teacher Educators: Some Problems and their Solutions**" accepted at Aurangabad World Conference on Teacher Education on 8th May 1999.

Paper presented in an **International Conference at NYU, New York** on: "**Work Based Education: An Indian Perspective**". (June 1999)

Presented a paper in the XIII National Conference on Teacher Education (CTE) at J.S.S. College of Education, Bijapur, on the theme "Integrating Theory and Practice in Teacher Education". The paper was titled: "**Training of Teacher Educators: The Achilles Heel of Education.**" (Dec, 1999)

Presented a paper as resource person in a workshop on "Information and Communications Technologies in Schools in India, in the 21st Century" organized by World Peace Center, MIT, Pune, Indian National Commission for Cooperation with UNESCO, and Ministry of HRD, Govt. of India. The paper was titled "**Computer Education in Schools: Problems, Solutions and more Problems**".

This paper was published in the S.N.D.T. College of Education, Annual Magazine. (1999-2000)

Research paper published in Research Bulletin of S.C.E.R.T.: "**A Study of the Influence of Medium of Instruction on the Academic Achievement of Students in Higher Secondary Stage.**"

Article published in Marathi journal "Dahavi Deepostav 2000" on Study habits for Std. X students. ("**Samasya tumchya, upay hi tumchaya hatat**")

Paper presented in **National Conference** at Baroda on "Value-based Leadership in Education". The paper titled: "**Value-based Leadership in Education: Past, Present and Future**" was **published in a book** comprising of compiled papers on the subject. (Dec. 2000)

An article on "**Moral Leadership in Education: An Indian Perspective**" in collaboration with Dr. P.M. Sapre was published in refereed **International Journal** on Educational Leadership. (Jan 2001).

Paper on "**Emotional Intelligence: Background and Conceptual Discussion**" for a state-level seminar on Emotional Intelligence organized by S.N.D.T. College of Education, Pune.

Reviewed the following books and journals (Reviews published in Council for Teacher Education Newsletters and Journals):

- " The Ineffective Teacher"
- "Supporting New Teachers: Educational Leadership" in CTE News letter, July 1999.
- Review of ASCD's "Leadership" journal
- "Awakening Genius in the Classroom" by Thomas Armstrong, ASCD Publication, (1998).July 2000 issue.
- "Learning and Memory: The Brain in Action" was published in CTE Newsletter. (Oct 2000 issue)
- "Changing Times in Teacher Education: Restructuring or Reconceptualization?" by Marvin F. Wideen, Peter P. Grimmett (Editors). Published in CTE Newsletter April 2000.
- "The Complex World of Teaching: Perspectives from Theory and Practice" edited by Ethan Mintz & John T. Yun, Harvard Educational Review, 1999, CTE Newsletter, July 2001.
- "An Elusive Science: The Troubling History of Education Research" By Ellen Condliffe Lagemann. The University of Chicago Press, Chicago, 2000.
- "Evidence and Inquiry in Teacher Education, Special Issue Journal of Teacher Education

Paper on "**New Models in Teacher Education: Portfolio Development**" presented in State Level conference at YCMOU, Nashik. Received an **award for best paper**. (2004)

Paper presented in the **National Conference** on "Quality Improvement through Autonomy for B.Ed. Colleges" organized by Vidya Pratisthan's College of Education, Baramati.(2004)

Title of the Paper: "**Innovative Practices: Portfolio-based Assessment**"

Research paper "**Research findings on use of Information Technology in Education**" presented in **National Conference** of AIAER on "Creating a Learning Society" at Rizvi College of Education, Bandra, Mumbai.(2004)

(Chaired the session)

Article on Counseling, "Shaleyaa jeevanat samupadeshanachi garaj" was invited and published in a children's-special calendar, "Jeevan Ashay" published by an educational institution in Kolhapur. (Dec 2004)

Presented a **research paper “Science Teaching through Computer Assisted Instruction: Research Findings and Insights”** in “epiSTEME-1”, an **International Conference** at Goa to review research on Science, Technology and Mathematics Education; organized by Homi Bhabha Centre for Science Education: . Summarized paper is published on the HBCSE website.(2005)

A **research paper: “Effectiveness Study and Critical Evaluation of a Computer Assisted Instructional Package Developed for Teacher Educators”** was published in the AIAER Journal. (Jan 2005)

A research paper, **“Constructivist Learning and Use of Partial Studio Model in Teacher Training Classroom: Research Findings”** was published in **Research in Education** journal. (2005)

Wrote a **book** on Inquiry Training Model of Teaching for Yeshwantrao Chavan Open University (2006)

An article on **“Useful Techniques of Teaching”** published in IASE Journal for CTE Trainers (July 2006)

An article on **“Use of Multiple Intelligences approach in teaching of Environmental Education”** was published in Environmental Education Journal by IASE, SNDT, Pune. (July 2006)

An article on **“Slideshow Preparation for Teaching”** published in IASE booklet on ICT in Education. (Aug 2006)

Article on MI approach in Environmental Education was published in “Vanrai”. (Oct 2006)

Article published in IASE Action research Booklet on **“Issues Related to Review of Related Literature”**. (Nov 2006)

An article on **“Inquiry Training Model of Teaching”** and a **lesson transcript of ITM** were published in IASE : “Models of Teaching” journal. (Dec. 2006)

A research article: **“Development of CAI Presentations for Science Teaching and Overview of Research Findings”** published in a peer-reviewed **International Journal of Science and Mathematics Education by Springer Publications** (2006)

Research paper presented in an **International conference (APERA) at Hong Kong: “Computer-based Instruction on ‘Multiple Intelligences Approach’ to Teaching: Research Studies in Teacher Education.”**

Completed funded researches:

Participated in 3-year research on Science Teaching for disadvantaged girl-child (under **Departmental Research Support**)

“A study of the effectiveness of CAI - based training programme (Computer Assisted Instruction) on Multiple Intelligences for strengthening lesson-planning skills of prospective Science teachers”, (Under M.A. Masters memorial endowment grant 2005-06).

Researches that have received funding:

1. Minor Research Grant by UGC: **“Preparation of Computer Assisted Instructional programme on a topic in Psychological Foundations of Education, for post-graduate student-teachers, and a study of its effectiveness.”**
 2. Action Research grant by IASE, SNDT Univ.: (2006-07): **“Computer-based Training of M.Ed. Student-teachers in the Multiple Intelligences Approach and an Effectiveness Study of the Use of this Approach in the Teaching of a Unit in Educational Psychology.”**
 3. M.A, Masters Grant (2006-07): **“CAI-based training of student-teachers of different faculties in the use of MI Approach to lesson-planning”**.
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Elaborate Slide show presentations developed on following topics:

1. Effective teaching methods and techniques
2. Maslow’s Hierarchy of Needs: For B.Ed./M.Ed. teaching
3. Theories of Personality: Freud’s Psycho-analytic theory
4. General Method for Assessment of Problem Behaviour of Students
5. Techniques for Development of Creativity (for M.Ed.)
6. Teaching Energizers: for teachers at all levels
7. Preparing good Slide Shows for Teaching
8. Self study Skills, Appearing for Tests and Exams
9. Multiple Intelligences Theory explained
10. Application of Multiple Intelligences in Education
11. Application of MI approach in Science Teaching
12. Application of MI approach in Social Science Teaching
13. Review of Related Literature, Bibliography and References
14. Inquiry Training Model of Teaching
15. Concept mapping
16. Acids, Bases and Salts: for Std VII

17. Classification of Animals: for Std IX

18. Adaptation (in Marathi) for students of Std. VII, VIII and IX

International Study Tours and International Conferences attended

- **Study Tours**

1. Harvard University School of Education (1999, 2001)
2. Cornell University, Ithaca, USA (1999)
3. Oxford University, UK (2001)
4. Stanford University and Stanford Teacher Education Programme (2001, 2002)
5. University of Davis, California, USA (2000)
6. Adult Education Centre, Mountainview, California, USA.

- **Attended following conferences:**

1. "Work-based Education" Conference at New York University, USA (1999)
2. "Classroom Leadership" Conference by ASCD at Orlando, Florida, USA (1999)
3. "Bridging the Digital Divide" Conference of Computer Using Educators (CUE) at Sacramento, USA. (2000)
4. EpiSteme-1, a conference organized by Homi Bhabha Centre for Science and Mathematics Education. (2005)
5. Asia Pacific Educational Research Association (APERA) Conference at Hong Kong (2006)

Attended several National and State-level seminars and workshops.

Invitational lectures

Lectures, presentations or workshops at various Colleges of Education, Engineering Colleges, Law College, schools, refresher courses for teacher educators, teachers, SCERT, etc. on topics in areas such as:

1. Inquiry Training Model
2. Multiple Intelligences
3. Educational Research
4. Innovative Teaching Methods
5. Value education
6. Thinking Skills Training
7. Slide show preparation for teaching
8. Teaching tips for teachers
9. Evaluation

Other assignments undertaken:

1. Assistant Editor and Reviews editor for Council of Teacher Education Newsletter and Journal respectively
2. M.Ed. and M.Phil. Syllabus construction
3. Subject expert for selection of teacher educators
4. Member of LIC committee
5. Member of Quality Assurance Cell
6. Judge for "Best School" competition, Inter-collegiate debate competition, project competition, etc.
7. Member of School Evaluation Committee
8. Text book evaluation at Balbharati
9. Examiner for M.Ed. research of YCMOU and University of Pune, Ph.D. research, certain State level exams.
10. Evaluation of research proposals for SCERT and guidance to teachers.