

KARRI VENKATA SRIDEVI

Assistant Professor in Education

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Research Interest:

- Curriculum and Evaluation in School Education
- Pedagogical interventions in Science Education
- Pre-service and In-service teacher education

Education:

- Ph.D. in Education, University of Mysore, India [January, 2007]
- M.Ed. in Elementary Education, Regional Institute of Education, University of Mysore, India [May, 1999]
- M.Sc. Zoology, Annamalai University, Tamil Nadu, India [December, 1997]
- M.A. Psychology, Indira Gandhi National Open University, New Delhi, India [May, 2017]
- B.Ed. Annamalai University, Tamil Nadu, India [March, 1994]
- B.Sc. Osmania University, Hyderabad, India [May, 1992]

Professional Experience:

Taught high school science at a school and undergraduate & post graduate courses at University level. The courses include understanding the learner, content cum methodology of teaching Biology, curriculum and evaluation, action research, Educational technology, etc. I have been an active researcher and a guide supporting Masters & M.Phil. students. The details of posts and institutions served are given here under:

- Assistant Professor in Education [May 2019 - Current] Department of Curriculum Studies, National Institute of Education, NCERT, India
- Assistant Professor in Education [Sept 2014-April 2017] RMSA Project cell, National Institute of Education, NCERT, India
- Principal [Jan 2013- June 2014] & as a Lecturer in Education [Dec, 2004- Dec 2013] Amrita School of Education, Amrita Vishwa Vidyapeetham, Mysore, India
- Guest faculty [Sept, 2003 - May 2008] Department of Post graduate Studies in Education, University of Mysore, Karnataka, India
- Lecturer in Elementary Education [Aug 2000-May 2001] Regional Institute of Education, Mysore, NCERT, India
- School Assistant [June 1992 -May 1995] Panineeya Mahavidyalaya Public School, Hyderabad, India

Research [funded by Ministry of Education, Government of India]

Some of the major researches carried out include:

- In-service teacher training assessment of RMSA TCA, Role: Team member [2013-2014]
- Follow up study of the Capacity Building Programmes in Science and Mathematics at Haryana, Bihar, Madhya Pradesh and Tamil Nadu, Role: Joint Coordinator [2016-2018]
- Try out of Quality Assessment Tools at Himachal Pradesh, Karnataka and Chhattisgarh, Role: Joint Coordinator [2017-2018]
- Status of Laboratory facilities and their use in learning science of students at secondary level in Sikkim, Role: Coordinator [2017-2018]
- Analysis of secondary school curriculum of Tamil Nadu, Role: Joint Coordinator [2016-2017]
- Evaluation of the Vocational Education Programme in Haryana, Role: Joint Coordinator [2017-2018]
- A Study of Remedial Teaching Programme carried out by the State under RMSA, Role: Joint Coordinator [2017-2018]
- Interventions to achieve quality learning in science in selected schools of ST dominated districts of Nagaland: A case study, Role: Joint Coordinator [2018-2020]
- Challenges faced by the teachers in integrating pedagogical content knowledge in science teaching –A case study, Role: Coordinator [2019-2020]

Development [funded by Ministry of Education, Government of India]

Here are few important training packages/manuals given below:

- Development of Manual for TNA for the conduct of in-service teacher training programmes, Role: Coordinator, [2018-2019]
- Development of Training package for in-service teachers on TPCK in science for secondary level, Role: Coordinator, [2018- 2019]
- Learning outcomes at the Secondary stage, Role: Team member, [2018]
- Learning outcomes at the Elementary stage, Role: Team member, [2017]
- Development of varied types of questions in school subjects at secondary stage Role: Team Member, [2016]
- Review of student vocational textbooks on various Job roles (2019 onwards)
- Development of Guidelines for experiential learning - A framework for continuous teacher professional development; Opening of schools after lockdown, Online/digital learning etc.

Live Sessions

Live sessions on NCERT Official YouTube channel are carried out to promote discussions on various educational topics, an effort to reach out the young minds and to initiate dialogue with teachers, students and teacher educators. Some of the topics

on which sessions were taken include Pedagogical content knowledge ; Creating Rubrics - What, why and how; Portfolios: A means to record and report a child's progress; Designing a Session Plan; Pedagogical Knowledge; Pedagogy of Environment Studies at the Primary Stage; and many topics related to science.

Publications:

Books Authored

K V Sridevi, *Constructivism in Science Education*, Discovery Publishing House, New Delhi, 2007, ISBN 978-81-8356-345-1

Journal papers

- K V Sridevi, Insights gained from implementation of vocational education programmes in Haryana" *Voices of Teachers and Teacher Educators(VTTE)*.Volume IX Issue II , December, 2020
- K V Sridevi, Status and use of Science laboratories in the Secondary schools of Sikkim, *Journal of Indian Education*, May, 2019
- K V Sridevi, Promoting the development of teacher professional knowledge: Integrating content, pedagogy and technology while teaching *Voices of teachers and teacher educators*, Vol. 8, Issue 1, pp. 108-118, 2019
- K V Sridevi & Mohini Nagpal, Trends in school dropout rate in India, *Researchers Guild*, Vol.1, Issue.3, DOI: <https://doi.org/10.15503/rg.v1i3.514>, 2019
- K V Sridevi, A Study of Relationship among General anxiety, Test anxiety and Academic Achievement of Higher Secondary students,*Journal of Education and Practice*, Vol.4, Issue 1, 2013,ISSN 2222-288X(online)
- K V Sridevi, Effects of Constructivist Approach on Students' perception of Nature of Science at Secondary level, *Artha Journal of Social Sciences*, Vol. 12, Issue 1, pp. 49-66, 2013, ISSN 0975-329X
- Sharmista & K V Sridevi, From Teacher to a Facilitator,*Journal of Education & Society Science*,Vol. 1, pp. 1-8, 2013, ISSN 2321-1989
- K V Sridevi, Awareness towards Adolescent reproductive health among teacher trainees of Awassa, South Ethiopia, *Review of Research*, Vol. 1, Issue 8, pp. 1-4, 2012, ISSN 2249-894X
- K V Sridevi, Influence of Student-Teacher Relationship on behaviour of the students in the school, *Indian Psychological Review*, Vol. 77, Special issue,pp. 313-320,2011
- K V Sridevi, Job satisfaction of teacher educators of University of Mysore, *Edusearch*, Vol. 2, Issue 1, pp. 59-66, 2011, ISSN 0976-1160
- K V Sridevi, A Study of Perception of Nature of Science among Secondary school students, *Journal of Education & Pedagogy*, Vol. 2, Issue 2, pp. 55-65, 2010, ISSN 0975-0797
- K V Sridevi & Spoorthy, A study of Attitude towards Education and Self-concept of the children residing in Juvenile home of Mysore city, *Indian Psychological Review*, Vol. 74, Issue 1, pp. 21-28, 2010

- K V Sridevi & IshaParveen, Relationship of Emotional Intelligence, adjustment, Self-concept & Scholastic achievement of Higher secondary students, Journal of Educational Research & Extension, Vol. 45, Issue 2, pp. 38-50, 2008, ISSN 0973-6190
- K V Sridevi & Beena P J, Adjustment & Academic Achievement of elementary students with respect to their mother's employment status, Journal of Community Guidance & Research, Vol. 25, Issue 1, pp. 40-48, 2008, ISSN 0970-1346
- K V Sridevi, Attitude of M.Ed. Students of University of Mysore towards Research, Journal of AIAER, Vol. 20, Issue 1&2, pp. 73-75, 2008, ISSN 0970-9327

Paper presentations at Conferences/Seminars

Number of papers was presented in various conferences and seminars at different levels regional, national and international. Received a Best paper award for the paper titled "Role of teacher in Learning Centered education" in an International Conference on Learning Centered Education, Ignatius College of Education, Tirunelveli, AIAER, (27-29 Jan, 2005). Some of the important and relevant papers present include:

- K V Sridevi & Ritu Yousuf, A Review on Pedagogical Content Knowledge (PCK): in the Perspective of Teachers Professional Practice and Pre Service Education at International Conference on Changing landscape of Teacher Education, Department of Educational studies, Jamia Millia Islamia, New Delhi, (4-5 March 2020)
- K V Sridevi, Insights from research on in-service teacher training programmes at National Seminar on Science Education at Regional Institute of Education (RIE), Ajmer (21-23 Nov 2017)
- K V Sridevi, Designing lesson plan in science based on TPACK framework at National Seminar on Innovative Practices in Teacher Education: Theory and Research at Regional Institute of Education (RIE), Bhopal (18-20 Jan 2018)
- K V Sridevi, Integration of Traditional Education in secondary school curriculum at National conference on Ancient Indian Knowledge: Science and Technology, Department of Education in Science and Mathematics, National Institute of Education (NIE), NCERT, New Delhi (17-19 Jul 2018)
- K V Sridevi, Insights from the review of research conducted in the area of community involvement and school education in the National Meet on Community mobilisation and school Education organised by Rashtriya Madhyamika Shiksha Abhiyan (RMSA) Project cell, NCERT on (15-17 Mar 2016)
- K V Sridevi, A feedback on feedback sessions during practice in teaching, Annual Conference 2011: Rethinking Education Policy Department of Sociology, University of Hyderabad, (16-18 Nov 2011)
- K V Sridevi, Effectiveness of Constructivist approach on students' Achievement in science & Attitude towards Science at secondary level, Global Conclave of Young Scholars of Indian Education National University of Educational Planning and Administration (NUEPA), New Delhi, (27-29 Jan 2011)

- K V Sridevi, Empowerment of women for reproductive health, International conference on Women education for Empowerment, Immaculate College of Education for Women, Puducherry, (5-6 Feb, 2010)
- K V Sridevi, Instructional strategies and practices in Quality assessment of schools, Seminar on Norms for the Assessment and Accreditation of Schools, Regional Institute of Education, Mysore, (7-9 Feb, 2008)
- K V Sridevi, Constructivist assessment practices in science education, National Seminar on Contemporary Research in Education, Department of Education, University of Calcutta, (5-6 Dec, 2007)
- K V Sridevi, A shift in the paradigm of teaching and learning, International Conference on Teacher Education in the Context of Globalization Bangalore University, Department of Education, New Horizon College of Education, (4-6Apr 2005)

Invited talks/lectures & Capacity building programmes

Delivered lectures on Models of Teaching – CAM & ITM; Innovations in Teaching techniques; Constructivist based approach to science teaching; Identification of training needs in various states/UTs, Experiential learning and metacognition, Curriculum development, etc. to teacher educators. Some of the training/capacity building programmes coordinated or served as a team member include:

- Capacity building programme of Master Resource Persons in Science, State resource persons, Key resource persons, teachers on Pedagogy of science, question paper setting, action research, assessment practices, CCE, learning outcomes,
- Capacity building programme titled National Initiatives for School Heads' and Teachers' Holistic Advancement (NISHTHA) for State Resource Groups of various states of the country