Bibliography

BIBLIOGRAPHY

- Ashar, R. R. (1972). Construction and Standardization of the Diagnostic Test in Basic Algebraic for the pupils of Gujarati Medium Secondary School of Greater Bombay. Ph.D. (Edu.). In M. B. Buch (Ed.1979)
 Second Survey of Research In Education. Vadodara: Society for Research and Development.
- Ashlok, R. B. & Herman, W. L. (Jr.) (1970). *Current Research in Elementary School Mathematics*. Toronto: The Macmillan Company.
- Avile's A.P. (1989). An Environmental and Educational Characterization of Low Achiever's Experiences and Attitudes Towards Mathematics Performance Using Case Studies. Ph.D., Fordham University, Dissertation Abstract International, 50(5), 1240-A.
- Babu, S.S. (2002). A Critical Evaluation of the Content and Teaching of Mathematics for Class-3 and Class-5 in Andhra Pradesh. Ph.D. (Edu.), Osmania University. In NCERT (Ed.2006) Sixth Survey of Research in Education (2006). New Delhi: NCERT.
- Backhouse, J., Haggarty, L., Pirie, S., and Stratton, J. (1992). *Improving the Learning of Mathematics*. London: Cassell.
- Baskaran, K. (1991). Achievement-Motivation, Attitude Towards Problem-Solving and Achievement in Mathematics of Standard X Students in Devekottai Educational District. Ph.D. (Edu.), Alagappa University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*, New Delhi: NCERT.
- Bellisio, C.W. (1999). A Study of Elementary Student's Ability to Work with Algebraic Notation and Variables. Ed.D., Rutgers: The State University of New Jersey — New Brunswick, *Dissertation Abstract International*, 60(3), 679-A.
- Best, J. W. & Kahn, J. V. (2003). Research in Education Seventh *Edition*. New Delhi: Prentice-Hall of India.
- **Bhardwaj, R. P. (1987).** Standardization of a Comprehensive Diagnostic Test and Preparation of Remedial Material in Mathematics for Middle Standard Students of Haryana. Ph.D. (Edu.), Kurukshetra University. In

M. B. Buch (Ed.1991) *Fourth Survey of Research In Education*. New Delhi: NCERT.

- Bhatia, K. (1992). Identification and Remedy of Difficulties in Learning Fractions with Programmed Instructional Material. *Indian Educational Review*, 27(3), 102-106.
- Bhattacharya, A. (1982). Diagnosis and Prevention of the learning Disabilities of Primary School Students in Arithmetic. Ph.D. (Edu.), Calcutta University. In M. B. Buch (Ed.1983) *Third Survey of Research In Education*. New Delhi: NCERT.
- Bhirud, G. L. (1975). A Construction and Standardization of the Diagnostic Test in Algebra. Ph.D. (Edu.), Poona University. In M. B. Buch (Ed.1979) Second Survey of Research In Education. Vadodara: Society for Research and Development.
- Brahma, P. (1990). Effectiveness of concrete materials to enhance learning in Physical Sciences. An Independent Study, National Council of Educational Research and Training (ERIC funded). In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Busamma, K. (1995). Construction and Standardization of a Diagnostic Test in Exponents and Powers for Class VII Students of Hyderabad and Ranga Reddy Districts and Suggestion of Remedial Measures. Ph.D. (Edu.), University of Calicut. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- **Encyclopaedia Britannica (2006).** *Britannica Concise Encyclopaedia.* UK : Encyclopaedia Britannica Inc.
- Chel, M. M. (1990). Diagnosis and Remediation of Underachievement in Compulsory Maths of Madhyamic Examination in West Bengal. Ph.D. (Edu.), University of Calcutta. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Chen, H. (2004). The Efficacy of Mathematics Interventions for Students with Learning Disabilities: A Meta-analysis. Ph. D., The University of Iowa. *Dissertation Abstract International*, 65(12), 4499-A.

- Chitkara, M. (1985). To Study the Effectiveness of Different Strategies of Teaching on Achievement in Mathematics. Ph.D. (Edu.), Punjab University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Cobb, P. and Bauersfeld, H. (1995). Introduction: The Co-ordination of Psychological and Sociological Perspectives in Mathematics Education. In P.Cob and H. Bauersfeld. (Eds.), *Emergence of Mathematical Meaning: Interaction in Classroom Cultures*. Hillsdale: Erlbaum.
- Cooney, T. J., Davis, E. J. & Henderson, K. B. (1975). *Dynamics of Teaching Secondary School Mathematics*. Boston: Houghton Mifflin Company.
- Copeland, R. W. (1970). *How Children Learn Mathematics: Teaching Implications of Piaget's Research*. Toronto: The Macmillan Company.
- Das, R. C. & Barua, A. P. (1968). Effect of Remedial Teaching in Arithmetic-A Study with Grade IV Pupils. Ph.D. (Edu.), Assam University. In M.B.Buch (Ed.1991) Fourth Survey of Research in Education. New Delhi: NCERT.
- Dandapani, C. (1992). Dimensions of Effective Teaching of Mathematics.
 Ph.D. (Edu.), Annamalai University. In J. P. Sharma (Ed.1997) Fifth
 Survey of Educational Research. New Delhi: NCERT.
- **Dominguez, A. (2001).** College Algebra Students' Understanding of the Concept of Variable. Ph.D., Syracuse University, *Dissertation Abstract International*, 62, 2060-A.
- Ducharme, R. E. & Ducharme, M. K. (1999). Using Teacher Reflective Practice to Evaluate Professional Development in Maths and Science. *Journal of Teacher Education*, 50 (1), 42.
- **Duncan, R.D. (2000).** The Relationship between Math Preparation in High School and Math Skills of Entering College Students. Ed.D., Oklahoma State University, *Dissertation Abstract International*, 62, 107-A.
- Dupree, G.N. (1999). Mathematical Empowerment: A Case Study of Relational Classroom Learning. Ph.D., The University of Oklahoma, Dissertation Abstract International, 60(4), 1055-A.

Dutta, A. (1990). Learning Disability in the Reasoning Power of the Students in Geometry. Ph.D. (Edu.), University of Kalyani. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.

.

- Elif, Y. (2003). Student Difficulties in Learning Elementary Mathematics. ERIC Digest. <u>http://www.ericdigests.org/2004-3/learning.html</u>
- Gangopadhyay, T. (1991). An Experimental Study of the Effectiveness of Classroom Teaching Techniques in Relation to Students Achievement.
 Ph.D. (Edu.), University of Calcutta. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Gardner, K. L, Glenn, J. A. & Renton, A. I. G. (1973). Children Using Mathematics: A Report of the Mathematics Section of the Association of Teachers in Colleges and Departments of Education. London: Oxford University Press.
- George, N. (2003). Mathematical Backwardness and its Remediation in Goa. An Unpublished Ph.D.(Edu.) thesis. Vadodara: CASE, The Maharaja Sayajirao University of Baroda.
- Greg, P.A. (1998). Attitudes Toward Mathematics and Knowledge of Mathematical Concepts of Preservice Elementary, Early Childhood, and Special Education Teachers. Ph D., Clemson University, *Dissertation Abstract International*, 60(4), 1055-A.
- **Gronlund, N.E. (1976).** *Measurement and Evaluation in Teaching*. New York: Macmillan Publishing Co. Inc.
- Gupta, R. C. (1972). Backwardness in Maths and Basic Arithmetic Skills.
 Ph.D. (Edu.), Delhi University. In M. B. Buch (Ed.1974) *A Survey of Research In Education*. Baroda: CASE, The Maharaja Sayajirao University of Baroda.
- Gupta, S. (1989). A Child's Conception of the Fundamentals of Euclidean Geometry. Ph.D. (Edu.), University of Kalyani. In J. P. Sharma (Ed.1997)
 Fifth Survey of Educational Research. New Delhi: NCERT.
- Gupta, R. Mukerjee, M. & Chatterji, S. (1993). A Comparative Study of the Factors Affecting Academic Achievement Among Four Groups of

Adolescents. Indian Educational Abstracts, 3(2).

- Gurusamy, S. (1990). A Diagnostic Study of the Errors Committed by Students of Std. IX in Solving Problems in Geometry.
 M.Phil.(Edu.) , Alagappa University. In J. P. Sharma (Ed.1997) *Fifth* Survey of Educational Research. New Delhi: NCERT.
- **Haralambos, V. (2000).** A Qualitative Comparative Study of Tenth-Grade Students' Geometric Proofs. *Dissertation Abstract International*, 61. 2586-A.
- **Jaguthsing, D. (2003).** Algebraic Thinking in Geometry at High School Level. *Dissertation Abstract International*, 64, 1201-A.
- Jain, D.K. (1979). A Study of Significant Correlates of High School Failures in Maths and English with Special Reference to Jammu Division. Ph.D. (Edu.), Jammu University. In M.B. Buch. (Ed.1983) *Third Survey of Research in Education*. New Delhi: NCERT.
- Jain, S. L. & Burad, G. L. (1988). Low Results in Mathematics at Secondary Examinations in Rajasthan. An Independent Study, Udaipur: State Institute of Educational Research and Training. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- **Kalamaros, A.A. (1991).** Instructional Method and Decreased Student Errors on Maths Worksheets. Ph.D. University of Denmark, *Dissertation Abstract International*, 52(5), 1673-A.
- Kalita, J. (1999). Impact of Standard of Teaching Mathematics in Primary Classes in Chapor Development Block of Dhubri District. *Research Abstracts in Primary Education (1994-2000)*. New Delhi: Educational Consultants India Ltd.
- Kapur, M. & Rasario, J. (1992). Intervention strategies for students with Problems in Learning Arithmetic. *Perspectives in Education*, 8, 205-210.
- Karen, T.M. (1998). Student Attitudes Toward Mathematics Projects. Ph.D., New Mexico State University, *Dissertation Abstract International*, 59(7), 2409-A.

- Kasat, B. S. (1991). An In Depth Study of the Causes of Failures in the S.S.C. Examination of Marathi Medium Higher Secondary Students in Palghar Tehsil. M.Phil.(Edu.), Indian Institute of Education, Pune. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Kneebone, G. T. (1963). Mathematical Logic and the Foundations of Mathematics-An Introductory Survey. London: D. Van Nostrand Company Ltd.
- Kothari, R. G. (1985). An Investigation into Efficacy of Different Instructional Media in the teaching of Mathematics to the Pupils of Ciass IX in Relation to Certain Variables. An Unpublished Ph.D.(Edu.) thesis. Vidyanagar: Sardar Patel University.
- Kothari, R. G. (1998). Mathematical Weakness Test. Madhyamik
 Shikshan ane Parikshan. Gandhinagar: Gujarat Secondary Education
 Board.
- Kumar, S. & Ratnalikar, D.N. (2003). Teaching of Mathematics. New Delhi: Anmol Publication Pvt. Ltd.
- Kumar,V. (2008). Study of the Formation of Concepts in Mathematics among the Pupils of Std. VI, VII, VIII and its relation to correlated Approach in Teaching Learning process. An unpublished Ph.D.(Edu.) thesis, Bombay: University of Mumbai.
- Lalithama, K.N. (1975). Some Factors affecting Achievement of Secondary School Pupils in Maths. Ph.D. (Edu.), Kerala University. In M. B. Buch (Ed.1979) Second Survey of Research in Education. Vadodara: Society for Research and Development.
- Lee, H. (1999). Why They Fall Behind in Math: A Study of Underlying Cognitive Factors of Second-Grade High-Math Achievers and Low-Math Achievers in Taiwan. Ph.D., Northwestern University, *Dissertation Abstract International*, 60(12), 4356-A
- Louis, E. (2006). Study on Children's Reasoning about Geometric Solids in Play and Other Contexts. Ph. D., Arizona State University. *Dissertation Abstract International*, 67(6), 2085-A

- Lulla, B.P., Shah,G.B. and Darji, D.R.(1966). Investigation into the Academic Causes of Backwardness in Mathematics at the Elementary Stage (Classes I-VII). Ph.D. (Edu.), CASE, The Maharaja Sayajirao University of Baroda. In M. B. Buch (Ed.1974) *A Survey of Research In Education*. Baroda: CASE, The Maharaja Sayajirao University of Baroda.
- Manika, G. K. (1983). Acquisition of concept in mathematics of pupils at primary school level, and its relation to some personal and environmental variables of the pupils. Ph.D. (Edu.), Bombay University. In M. B. Buch (Ed.1991) *Fourth Survey of Research In Education*. New Delhi:NCERT.
- Ministry of Human Resource Development (1986). National Policy of *Education*. New Delhi: Government of India.
- Mishra, S. (1998). A Study on the Effective Use of the OB Materials and Other TLM to adopt joyful and activity-centered learning in mathematics in classes I to III. *Research Abstracts in Primary Education (1994-2000)*. New Delhi: Educational Consultants India Ltd.
- Mohapatra, B.C. (1990). A Critical Appraisal of the Secondary School Mathematics Curriculum of Orissa. Ph.D. (Edu.), Utkal University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Mukherjee, P. (2001). Development of Mastery Learning Program Based on Competencies in Mathematics for Standard III. Ph.D. (Edu.), SNDT Women's University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- Nagalakshmi, R.S. (1995). Construction of a Problem Solving Ability Test in Mathematics for Secondary Students and Study the Problems Solving Abilities of Students of Class X in Twin Cities of Hyderabad. Ph.D. (Edu.), Osmania University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- Nancy, D. (2000). A Comparison of Virtual and Physical Manipulatives in Teaching Visualization and Spatial Reasoning to Middle School Mathematics Students. *Dissertation Abstract International*, 62,

499-A.

- NCTM (2000). Principles and Standards of School Mathematics. Reston: NCTM. <u>http://standards.nctm.org/document/chapter1/index.htm</u>
- **NCERT (1971).** *Education and National Development,* Report of the Education Commission 1964-66. New Delhi: NCERT.
- NCERT (2000). National Curriculum Framework for School Education. New Delhi:NCERT.
- NCERT (2005). National Curriculum Framework for School Education. New Delhi:NCERT.
- **NCTE (2005).** *Curriculum Framework for Quality Teacher Education*. New Delhi:NCTE.
- Nessa, M.S. (1994). A Study of the factors affecting Academic Achievement of Bangladeshi Primary school children of Dhaka city. An unpublished Ph.D.(Edu.) thesis. Vadodara: CASE, The Maharaja Sayajirao University of Baroda.
- Newsom, C. V. (1951). The Place of Mathematics in Modern Education. In Reeve, W.D. (1954) *Mathematics for the Secondary School*. New York: Holt, Rinehart and Winston Inc.
- Ngailiankin, C. (1991). A Study of Selected Variables Associated with Achievement in Mathematics. Ph.D. (Edu.), North-Eastern Hill University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Pai (1989). A Critical Study of some affective outcomes of the students as predictors of their Mathematical Ability. Ph.D. (Edu.), University of Kalayani. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- **Parashar, B. P. (1989).** *Teaching and Learning of Mathematics.* University News. 37(40). 6-8.
- Patel, V.S. (2002). An Investigation into the Proficiency in the Subject of Mathematics of the Primary School Teachers. Ph.D.(Edu.), Sardar Patel University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.

- Patel, P. (2007). Development of a Programme for Enhancing Achievement of the Students of Class X in Mathematics. An Unpublished Ph.D.(Edu.) thesis. Vadodara: CASE, The Maharaja Sayajirao University of Baroda.
- Perumal, V. (1989). A Comparative Study of the outcomes of Teaching selected units in Commerce by different teaching strategies at Higher Secondary stage. M.Phil. (Edu.), Madurai Kamaraj University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Pooja (2004). Arithmetic Error Profile of Learning Disabled Children: Improving Arithmetic Skills. Ph.D.(Edu.), Kurukshetra University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- Prakash, S. (2000). A Study of Mathematical Creativity and Achievement of Elementary School Students in relation to Problem Solving Ability, Anxiety and Socio-Demographic Variables. Ph.D. (Edu.), Punjab University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- Premlatha, J. (2002). Cognitive Engagement in Integrating Euclidean and Non-Euclidean Geometry. *Dissertation Abstract International*, 63, 2485-A.
- Rajyaguru, M.S. (1991). A Comparative Study of Over and Underachievers in Mathematics. Ph.D. (Edu.), Bhavnagar University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Ramanuj, C.M. and Shah, P. (1999). Diagnosis of Students' Deficiencies in Learning Area: 4 'Fraction' of class IV Mathematics. *Research Abstracts in Primary Education (1994-2000)*. New Delhi: Educational Consultants India Ltd.
- **Rangappa, K.T. (1995).** Effect of Self-Concept on Achievement in Mathematics. *Indian Educational Abstracts*, 3(2).

Rastogi, S. (1983). Diagnosis of Weakness in Arithmetic Skills and their

Remedial Measures. Ph.D. (Edu.), Gauhati University. In M. B. Buch (Ed.1991) *Fourth Survey of Research In Education*. New Delhi: NCERT.

- **Rawool, S. (1988).** A Study of Conceptual Maturity of Students Belonging to the Age Group 11 to 14 in Non-metric Geometry. Ph.D. (Edu.), Shremati Nathibai Damodar Thackerey Women's University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Reader's Digest Association (1988). Reader's Digest Universal Dictionary. London; Sydney: Reader's Digest Association.
- Ridlon, C.D. (1999). The Effect of Problem Centred Learning on the Mathematics of Sixth Graders. Ph.D., The Florida State University, *Dissertation Abstract International*, 60(3), 681-A.
- Rosaly, A. (1992). The Relationship Between Attitude of Students Towards Mathematics and Achievement. M.Phil. (Edu.), Madurai University. In J.
 P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Rose, T.D. (1991). Strategies and Skills Used by Middle School Students During the Solving of Non-Routine Mathematics Problems. Ed.D., The University of Tennessee, *Dissertation Abstract International*, 52(7), 2451-A.
- Sangtong, J. (2000). Critical Factors in Mathematics Achievement of grade eight students: Insight from TIMMS in Thailand. Ph.D. University of Maryland College Park. *Dissertation Abstract International*, 61(8), 3096-A.
- Sarala, S. (1990). Conceptual Errors of Secondary School Pupils in Learning Selected Areas in Modern Mathematics. Ph.D. (Edu.), University of Kerala. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Sarangapani, P.M. (1990). A Critique of the Primary School Mathematics
 Curriculum from a Piagetian Perspective. Ph.D. (Edu.), University of
 Delhi. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational*

Research. New Delhi: NCERT.

- Sarma, M. (1999). A Study Report of Improvement of Teaching Mathematics in Primary Classes. *Research Abstracts in Primary Education (1994-2000)*. New Delhi: Educational Consultants India Ltd.
- Sashidharan, T. (1992). Learning Intellectual Skill as an Educational Outcome in Relation to Student Entry Characteristics and Quality of Instruction. An Unpublished Ph.D.(Edu.) thesis.
 Vadodara: CASE, The Maharaja Sayajirao University of Baroda.
- Setia, S. (1992). Socio-Psychological and Educational Factors of Differential Learning Rate in Modern Mathematics at the Senior Secondary Stage.
 Ph.D. (Edu.), Punjab University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Shah, P.P. (2004). An Investigation into the Conservation Ability of the Pupils as Predictor of Understanding of the Mathematical Concepts Embedded in the Syllabus of the Standard VIII and IX of the Gujarat state. Ph.D. (Edu.), Gujarat University. In NCERT (Ed.2006) Sixth
 Survey of Research in Education. New Delhi: NCERT.
- Shah, S. G. (1985). Discalculia Amongst First Graders in Choryasi
 Block: A Psychometric Exploration. A Project Report, South Gujarat
 University. In M. B. Buch (Ed.1991) Fourth Survey of Research In
 Education. New Delhi: NCERT.
- Sharma, A. K. (1978). A Critical Study of the Achievement in Maths by Pupils of Secondary Scholl with Particular Reference to the State of Assam. Ph.D. (Edu.), Gauhati University. In M. B. Buch (Ed.1983) Third Survey of Research In Education. New Delhi: NCERT.
- Sharma, M. (1999). Effect on Mathematical Instructions on Learner's Performance Interactions in Mathematics. Ph.D. (Edu.), Kurukshetra University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- Shashikala Devi, U. (1987). An Analytical Study of Effective Mathematics Teaching. An Unpublished Ph.D.(Edu.) thesis. Vadodara:

CASE, The Maharaja Sayajirao University of Baroda.

- S.I.E. Guj. (1969). Diagnostic Test in the Basic Skills in Arithmetic Computations, Addition, Subtraction, Multiplication and Division. An Unpublished Study. In M. B. Buch (Ed.1974) *A Survey of Research In Education*. Baroda: CASE, The Maharaja Sayajirao University of Baroda.
- Sidhu, K. S. (1995). *The Teaching of Mathematics*. New Delhi: Sterling Publishers Pvt. Ltd.
- Siebert, D.K. (2000). Coherent, Dynamic Accounts of Prospective Secondary Mathematics Teachers' Knowledge of and Beliefs About Mathematics. Ph.D., University of California, *Dissertation Abstract International*, 61(5), 1775-A.
- Singh, R. D. (1992). Effectiveness of Teaching Mathematics through Computer Assisted Instruction and Conventional Method of Instruction on Cognitive and Non-cognitive Variables. Ph.D. (Edu.), Euru Ghasidas University. In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Singh, R.D., Ahluwalia, S.P. & Verma, S.K. (1994). A Study of Attitude of High School Students Towards Mathematics. *Indian Educational Abstracts*, 3(1), January 1997.
- **Sjostrom, M.P. (2000).** Beliefs and Practices of Teachers regarding the High Failure Rate in Algebra 1. Ph.D., Georgia State University, *Dissertation Abstract International*. 61, 3933-A.
- Smith, S.P. (1999). Children, Learning Theory, and Mathematics: An Analysis of the Role of Language and Representations in Children's Mathematical Reasoning. Ph.D., Michigan State University, *Dissertation Abstract International* 61(2), 539-A
- Srivastava, D. (1990). Programmed Learning as a Function of Anxiety Under Different Motivational Conditions. An Independent Study, Unnao, Adamant Subhash National College (ERIC funded). In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- **Srivastava, J.P. (1992).** A Study of Learning Outcomes in Terms of Objectives in Mathematics. An Independent Study, Meerut University

(EIRC Funded). In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.

- Steele, M. (2006). Middle Grades Geometry and Measurement: Examining Change in Knowledge needed for Teaching through Practice-based Teaching Education Experience. Ed.D., University of Pittsburgh.
 Dissertation Abstract International, 67(6), 2086-A.
- Stella, Anthony & Purushottaman (1995). Maths Study Attitude of the Underachievers. *Experiments in Education*, XXIII(1), 3-11.
- Subramaniam, K.B. & Singh, R. A. (1996). A Study of Mistakes Committed by Students in the Application of Different Mathematical Skills and Developing Preventive and Remedial Teaching Strategies Using Meta Cognitive Approach for Qualitative Improvement in Teaching Mathematics. *Research Abstracts in Primary Education (1994-2000)*. New Delhi: Educational Consultants India Ltd.
- Sumangala, V. (1995). Some Psychological Variables Discrimination Between High and Low Achievers in Mathematics. *Experiments in Education*, 23(10), 165-175.
- Thakore, B. (1980). Construction of Diagnostic Tests and Preparing Remedial Material as well as Testing its Effectiveness on Fractions and Decimal Fractions for the Students of Grade V of Gujarati Medium Schools of Greater Bombay. Ph.D. (Edu.), SNDT University. In M. B. Buch (Ed.1983) Third Survey of Research In Education. New Delhi: NCERT.
- Thampuratty, N.R. (1994). Interaction Effect of Creativity, Attitude Towards Problem Solving in Social Position on the Achievement in Mathematics of Secondary School Pupils. *Indian Educational Abstracts*, 2(2).
- Timmel, JL , (1999). Factors Impacting the Achievement and Participation of High School Girls in Mathematics. Ph.D., Fordham University, *Dissertation Abstract International*, 60(7), 2418-A.
- Trivedi, I. (1980). Use of Branching Variety of Programmed Learning Materials in Mathematics as a Diagnostic and Remedial Tools. An

Unpublished Ph.D.(Edu.) thesis. Vadodara: CASE, The Maharaja Sayajirao University of Baroda.

- Tzeng, Shwu-Rong, (1987). The Relationship Among Gender and Mathematics Attributions of Sixth Grade High Average and Low Achievers in Taiwan Rep. of China. Ph.D., University of Georgia, *Dissertation Abstract International*, 49(5), 1085-A.
- **UNESCO (1973).** *New Trends in Mathematics Teaching.* Vol.III. Paris: UNESCO.
- **Usha Devi, P. (2001).** The Influence of Intelligence and Creativity on the Achievement in Mathematics Among X Class Students of Visakhapatnam District: A Relational Study. Ph.D.(Edu.), Andhra University. In NCERT (Ed.2006) *Sixth Survey of Research in Education*. New Delhi: NCERT.
- Vaidya, N. (1991). Developing teaching-learning strategies for enhancing student achievement in Science. An Independent Study, National Council of Educational Research and Training (ERIC funded). In J. P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Venkateshwarlu, D. (2001). Diagnosis and Remediation of Mathematical Difficulties. Ph.D. (Edu.), M.J.P. Rohilkhand University. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- **Verma, B.P. (1996).** International Ability, Tests Anxiety and Achievement in Different School Courses. *Indian Educational Abstracts*, 4(1).
- Viswanathan, K. S. (1997). Effect of Diagnostic Error Learning Strategy on the Achievement of Slow Learners of Standard IX in Mathematics. Ph.D. (Edu.), University of Calicut. In NCERT (Ed.2006) Sixth Survey of Research in Education. New Delhi: NCERT.
- Wangu, R.S. & Thomas, K.J. (1995). Attitude Towards and Achievement in Mathematics Among High School Students of Tribal Town of Aizawal.
 Indian Educational Abstracts, 4(1).
- Ward, C. (2001). Students' Attitudes and Achievement as Related to Immediate Remediation in Paced Algebra. Ed.D., Georgia Southern University. Dissertation Abstract International, 62(11), 3682-A

Warrick, P.D. (2000). An Intervention Program for Parental Assistance with

Mathematical Homework and the Relationship with Increased Student Achievement. Ph.D., Walden University, *Dissertation Abstract International*. 61, 2638-A.

- Warute, S. (1998). Developing Remedial Materials in Mathematics for Standard I and II Based on M.L.I. Curriculum and Testing their Effectiveness. Ph.D. (Edu.), University of Pune. In NCERT (Ed.2006)
 Sixth Survey of Research in Education. New Delhi: NCERT.
- Willoughby, S. S. (1967). Contemporary Teaching of Secondary School Mathematics. New York: John Wiley and Sons, Inc.
- Woggon, R.F. (2000). Student's Perceptions of Learning Mathematics: A Phenomenological Study of Learning Moments in Secondary Mathematics Classes. Ph.D., The Claremont Graduate University, **Dissertation** *Abstract International*, 61(5), 1775-A.
- Yadav, R. S. (1990). A study of the Relationship of School Environment and Socio-Economic Status in the Formation of Geometrical Concepts Among School Children. Ph.D. (Edu.), Guru Ghasidas University. In J.
 P. Sharma (Ed.1997) *Fifth Survey of Educational Research*. New Delhi: NCERT.
- Zachary, L. (2002). An investigation of the relationship between five categories of mathematics errors and future mathematics achievement of eighth grade students in South Carolina. Ph.D., University of South Carolina. *Dissertation Abstract International*, 63(5), 1759-A.