

BIBLIOGRAPHY

Abbott, S. (1975): Women's Importance for Kenyan Rural Development. Community Development Journal, 10(3):1-19.

Adams, S.K. (1988): "Hand Grip Strength", International encyclopedia of ergonomics and human factor.

Agan, T. (1956): The House: Its Plan and use", Bombay, Oxford and IBM Publishing Co..

Agarwal, B (1983): Mechanisation in Indian Agriculture an Analytical study based on the Punjab. New Delhi. Allied Publisher.

Agarwal, B. (1983): Rural Women and the High Yielding Rice Technology in India. Paper Presented at the conference on women in Rice Farming, 26-30 September, 1983, IRRE, Las Banas, Laguna, Philippines.

Agarwal, B. (1985): Women and Technological change in Agriculture: The Asian and African Experience, in P. Ahmed (ed.) Technology and Rural Women: Conceptual and Empirical Issues. London: George Allen and Unwin.

Agropharma, Narmada (1996): "Organic food", Badwan, Technical article Narmada Agropharma Pvt.Ltd. Growers and suppliers of organic food.

Ahuja, A (1993): "An Analysis of household activities performed by (middle and upper class) employees and non-employed home makers" Master Thesis. M.S.U., Baroda.

Ahuja, K. (1979): Women, Technology and Development Process. Economic and Political Weekly. K1(36); 1549.

Ahuja, P. (1984): Time Utilization pattern of Rural Households in Relation to size of family and socio- economic status PAU Journal of Research, 21(3): 436-441.

Akerblom, B. (1948): Standing and Sitting Posture, Stockholm.

Akerblom, B., (1969) "Anatomiche and Physiologische Grundlagen Zur Gestaltung Von Sitzen", Cited in Grandyean, E., (1969): "Sitting Posture". London, Taylor and Francis, London, pp.6-17.

All India Coordianated Research Project (AICRP) (2001): "Ergonomics of farm women's drudgery" Annual Report prepared by FRM Dept. Coliege of H.Sc. Udaipur.

All India Coordinated Research project (AICRP) (2000): Ergonomics in agriculture activities of women farmers" Annual Report prepared by FRM Dept. College of Home Science, Udaipur.

All India Coordinated Research Project in Home Science (1985): Report on Home and Farm Resource Management in Rural Areas. Department of family Resource Management, College of Home Science, HAU. Hisar.

All India Coordinated Research Project on Human Engineering and Safety in Agriculture (2000): Test Code and Procedure for ergonomical evaluation of manually operated weeders": CIAE Bhopal p.9.

All India Co-ordination Research project (1999): "Ergonomics in agriculture activities of women farmers" Annual Report prepared by FRM Dept. College of H.Sc. GBPUAT, Uttranchal.

Anastassi, A. (1982): Psychological Testing. New York. Macmillan Publishing Company.

Anderrson, G. and Ortengren, R. (1974): Myoelectric Back Muscle Activity During Sitting", Scandinavian Journal of Rehabilitition Medicine Supplement, 3.pp.7hang, L.;Druary, C.G. and Woolley, S.M. (1991): Constrained Standing: Evaluating the foot/floor interface. Ergonomics, 3, 4, 2,175-192p.

Anderrson, G. and Ortengren, R. (1974): "Myoelectric Back Muscle Activity During Sitting", Scandinavian Journal of Rehabilitation Medicine, Supplement, 3.pp73-90. Andry, M., (1743): "Orthopedia", millar, A. London, cited in Floyd, W.F and Roberts, D.F., (1958): "Anatomical and Physiological Principles in Chair and Table Design". International Journal, Vol. 1pp. 1-8.

Appauu, K. and Saravanech, A. (2000): Effect of organic manures and Tillage practices on soil physical properties and crop yields under sorghum – soybean cropping sequence.

Apte, M. (1979): Rural Women and Development in India. Indian Journal of Social Work. 39(4): 439.

Astrand, I. (1979): "Estimating the Energy Expenditure of Housekeeping Activities". American Journal of Clinical Nutrition, Vol. 24pp. 1471-1478.

Astrand, P.O. and Rodahl, K (1986): Text book of Work Physiology, New York, 3rd edition McGraw-Hill, 115-126 and 512-515.

Astrand, P.O. and Rodahl, M.D. (1970): Text book of Work Physiology. McGraw-Hill, Kogakusha Ltd.

Ayoub, M.M. (1973): "Work Place Design and Posture". Human Factors. Vol. 15. No 3 pp265-268.

Badiger; C. and Hasalkar; S. (2004): Introduction to an Ergonomic Assessment of Improved Agricultural Technologies for farmwomen in Northern Karnataka. Proceeding of National Conference on Humanizing work and work Environment. National Institute of Industrial Engineering. Mumbai. April 22-24, p.28.

Badran, H. (1972): Arab Women in National Development: A Study of Three Arab Countries. Prepared for the Seminar on Arab Women in National Development, Cario, Sponsored by UNICEF in Cooperation with the League of Arab States Functional Literacy Centre.

Banerjee, B. and Saha, H. (1970): "Energy cost of some daily activities of tropical male and female subjects". Journal of Applied Physiology 29:203.

Basmajian, J.V. (1979): Muscles Alive, Baltimore, Willams and Wilkins Co.,.

Batliwala, S. (1988); "Fields of rice :health hazards for women and unborn children" Munshi: American Journal of women and society, (56): p281.

Bedale, E.M. (1924); "Comparison of energy expenditure of a women carrying loads in eight different operations", Report : Industrial fatigue Research Board, London.

Best, J.W. and Khan, J.V. (1986): Research in Education, New Delhi: Prentice- Hall of India Pvt.Ltd.

Bhalla, S. (1987):Technological change and workers evidence from the expansionary phase in labour absorption in Haryana Agriculture. Paper presented at a workshop on women in Agriculture center for Development Studies, Trivendrum.

Blyn, G. (1983): The Green Revolution Revisit ed. Economic Development and Cultural Change. Vol.31, No. 4 July. P.713.

Boocock, M.G.; Jackson, J.A.; Burton, A.K. and Tillotson, K.M. (1994): Continuous Measurement of Lumber spinal Posture using Flexible electrogonimeters; Egonomics; 37, pp 175-185.

Borg, G. Av (1970): Perceived exertion as an indicator of somatic stress scandanvion Journal of Rehabilitation mediline, (2)92-98.

Boserup, E (1981): Population and Technology. Oxford: Basil Blackwell.

Boserup, E. (1970): Women's Role in Economic Development. New York George Allen and Unwin.

Brantingham, C.R.;Beekman, B.E.; Moos, C.N.; and Gordon, R.B. (1970): Enhanced venous pump activity as a result of standing on a varied terrain floor surface, Journal of Occupational Medicine, 12, 164-169.

Brantton P. (1969): Behavior, body mechanics and discomfort; Ergonomics, 12:316-327.

Brantton, P. (1966): "The Concept of Easy Chairs"; FIBRA Report No.22 Hertford Shire, England.

Bratton, E.C.; (1959); "Some Factors of Cost to the body in standing to work and sitting to work under Different Postural Conditions"; Ithaca (New York); Cornell University Agricultural Experiment Station Memoir 365.

Bredger, R.S. ed. (1995): Introduction to Ergonomics; New York; McGraw-Hill Inc. Pp224-249.

Broucha, L. (1967): "Physiology in industry" In : Varghese, M.A.: Bhatnagar. A., and Saha, N.P. (1986). Ergonomics research on women in India. Mumbai, Ergonomics laboratory SNDT Mumbai, p. 4-6.

Brown, J. K. (1961): "Lifting: an industrial hazard" American Industrial Hygiene, Asso. Journal. 34:294-295.

Brown, O. and Hendrick, H.W. (1986): Human Factors in Organizational design and management -11 (Amsterdam: North Halland).

Brun, T. A.; Geissler, G.A.; Mirbagheri, I, Hormonzdesy, M.; Bastani, J. and Hedayat, H. (1979): "The energy expenditre of Iranian agricultural workers" The American J. of Clinical Nutrition. 32:2154-2161.

Burdorf, A.; Derksen, J.; Naaktgeboren, B.; Riel, M.V. (1992): Measurement of trunk bending during work by direct observation and continuous measurement. Applied Ergonomics, 23,4,263-267p.

Busca, L. and Granati, A. (1945): "Lavora della Mielitura" Bolt Soc. Halspet 20:20-34.

Cailliet, R.(1974): Meck and Arm pain. P.A Davis Philadelphia.

Chaffin, D.B. (1977): Localized muscle Fatigue- definition and measurement. J. Occup. Med., 15, 346-354p.

Chaffin, D.B.; Page, G.B. (1994): Postural effects on biomechanical and psychological weight lifting limits. Ergonomics, 37(4) 663-676p.

Chakrabarti, D. (1997): Indian Anthropometric Dimensions: for Ergonomic design practice. National Institute of Design. Ahmedabad.

Chakraborthy. S., (1974): "Application of Ergonomics in Industry for safety and postures", Part-2. Indian Journal of Industrial Medicine, Vol.20, No.2, pp105-117.

Chakravarti, S. (1995): Women Power in Agriculture. Kurukshetra, 24(4): 8.

Chander; M. (1996): "Organic farming:Implication for rural extension services" In : Kristensen. N.H. and Jensen, H.H. (eds) New research in organic agriculture. Proceedings of the 11th IFOAM International Scientific Conference. 2(1): 144-149

Chander; M. (2002):"Standards of organic livestock farming: A comparative review" In Workshop on Organic Animal Husbandry Standards. Nov. 26-27. Indian Veterinary research institute IVRI (UP).

Chaney, E, et al. (1981): Women in Development. World Agricultural Economics and Rural Sociology Abstracts, 23(3): 257.

Chapanis, A. (1995): Ergonomics in product development: A personal view. Ergonomics, 38, 1625-38.

Chatterjee, A. (1975): A Statistical Profile – Landless Agricultural Women Worker. Indian Farming, 25(8): 31-33.

Chaudhry, T.P.S and Sharma, B.M. (1961): Female Labour of Farm Family in Agriculture. Agricultural Situation in India, 16(5): 643-50.

Chittra, L. (2000): "Effect of Organic wastes on the nutrient availability under rice – rice cropping system Journal of Farming system Research and development 6 (land 2) : 15-20.

Christmonsson, M. (1994): The Hama (Hand- Arm Movement Analysis) method: A new method for analysis of upper limb movements and risk for work related musculosketed disorders, in proceeding of the 12th Terminal congress of the international Ergonomics Association Human Factors Association of Canada, August, Toranto (Mississauga: Human Factors Association of Canada), 173-175. Clark, T.S. and Corlett, E.N. (1984): "The Ergonomics of work spaces and machine" A design manal London Taylor and Francis.

Corlet, E.N. and Bishop, R.P. (1979): A technique for assessing posture discomfort. Ergonomics, 19, 175-182.

Corletl, E.N and Bisshop, R.P (1976): A technique for assessing postural discomfort, ergonomics, 19,175-185.

Corlett, E.N. (1981): "The effects and measurements of working postures." Applied Ergonomics, 11,1,7-16p.

Corlett, E.N. (1995):The evaluation of posture and its effects, in JR Wilson and E.N. Corlett (eds), Evaluation of Human Work, 2nd edn (London: Taylor and Francis), 692-713.

Corlett, E.N., and Richardson, (1981): "The Effects and Measurements of Working Postures". Applied Ergonomics, Vol. 17, No.3.pp 195-197.

Couto, Hudson de Araujo, (1995): Ergonomic Aplicada ao trabalho O manual tecnico da maquina humana. V.I. Belo horizonte: ERGO.

Croney, I (1980): "Anthropometry for designers"London, Ancher press limited.

Croney, J, (1980): "Anthropometry For Designers". Anchor Press Ltd. London.

Datar, V. (2003): Work Posture analysis and musculo skeletal problems experience by the students of architecture profession. Ph. D Thesis. M.S University. Baroda.

De, A and Sen, R. (1991): "Ergonomics evaluation of ploughing process of paddy cultivation in Inida" J. Human Factor. 15. 103-112.

DeLooze, M.P.; Toussaint, H, M.; Ensink, J.and Mangnus, C. (1994): The validity of visual observation to assess posture in a laboratory- simulated, manual material handling task. Ergonomics, 37 (8) 1335-1343pp.

Devdas, R.P. et al. (1972): Role of farm women in Agricultural Operations, Indian Journal of Home Science, 6(1): 49.

Devi, L. (1982): "Role of rural women in agricultural development" Kurukshetra, Oct. 16, 15-20.

Devi, M. (1986): Awareness and Utilization of Government Health Services in Gulbarga District. IIPS (Mimco) pp, 3-6.

Dhesai, A. S. and Wadhwa U. (1983): "The informal sector in Nagpal. An overview" Indian of Regional Science, (15) 1:3.

Dhesai, B. (1970): "Industrial Accidents – A Heavy Price" Times Weekly, 3(31):3.

Dhillon, G. (1980): The Changing Role of Rural Women. Social change, 11(2): 21.

Don Tigny, R.L. (1985): Function and pathomechanics of the sacro- iliac joint. Physical Therapy, 65:35-44.

Dubey, V.K (1999): "women and rural transformation in uttarakhand: structure policy and experiences" In : women in Agriculture: Education, training and development (ed) by ponio. R.K Northern Book Centre, New Delhi (2): 161-133.

Durwin, J. V. (1997): "Energy Work and Leisure" 1st ed. Heinamanna Educational book, London.

Edwards and Kenny, (1946): A Comparision of the thorstone and likert Technique of Attitude Scale.

Edwards, A.L. (1969): Techniques of Attitude Scale Construction. Bombay: Vakils, Peffer and Simons PVT Ltd.

Edwards, R. H. T. (1981): Human Muscle function and fatigue, in R. Porterand J. Whelan (eds). Human Muscle Fatigue: Physiological Mechanisms (Pitman, London), 1-18.

FAO (1977): China: Recycling of Organic wastes in agriculture. Rep, FAO/UNPP study Tour to the People'sRepublic of China, 28 April, 24 May 1977, Food And Agriculture Organization of the United Nations, Rome, 1977.

Fernandizt, J.E., Malkhan, D.E., Kyada, O.,K.,and Kim, C. H. (1989): Anthropometry of Korean female industrial Workers. Ergonomics. Vol.32. No.5, pp491-475.

Floyd, W.F and Word, J.S. (1969): "Anthropometric and Physiological considerations in School, Office and Factory Seating". Cited in Grandyean, E. (1973): "Ergonomics in the Home", Taylor and Francis, London, pp 18-25.

Francis. C.M. (1992): Occupation hazards". The need for adequate legislation and strict implementation. Health Action, 5(4): 23.

Fransson- Hall, C., Gloria, R., Kilbom, A., Winkel, J., Karlgnet, L.and Wiktorin, C. (1995): A portable ergonomic observation method (PEO) for computerized on –line recording of postures and manual handling. Applied Ergonomics, 26 pp.63-100.

Frost, L., (1944): "Posture and Body Mechanics". Lowa State University Bulletin 580. cited in Nickel and Dorsey, "Management of the Family Living". IV Edition, Wiley Eastern Limited, New Delhi.

Gandhi (1986): "Participation of women in farm activities" Women in agriculture 2: 15-20.

Gangadhara, N. (1995): Women in farming and improving quality of life in rural areas. Asian productivity organization, Tokyo.pp262-263.

Gardienier, M. (1983). Dena. Manual de Terapia por Exercicios Sao Paulo:

Gedliczka, A. (1977): "The Shape of Workspace Data Transformation on a Model Basis", Applied Ergonomics, Vol.20, No1, pp 31-34.

Genaidy, A.M.; Karwowski, W. (1993): the effects of natural posture deviations on perceived joint discomfort ratings in sitting and standing postures. Ergonomics, 36 (7) pp785-792.

Gialad, I. and Kirschenbaum, A. (1988): Rates of back pain incidence associated with job altitudes and worker characteristics. International Journal of Industrial Ergonomics, S:267-272.

Gil, H.J.C and Tunes, E. (1989): Posture recording: a model for sitting posture. Applied ergonomics, 20, pp 53-57.

Gite, et al (1993): "Ergonomics in India in agriculture – A Review" Paper prestned in the international workshop on human and fraught animal powered crop production held on Jan. 19-22 at Harare (Zimbabwe)

Gite, L. P. (1991): "Optimum handles height for animal drawn mould board plough" Appliced Ergonomics 22, 21-28.

Gite, L. P. (1996): "Some investigation on a sickle lever operated knapsack sprayer from mechanical and ergonomical considerations" Unpublished Ph.D. thesis. Indian Institute of Technology, Khadakpur.

Gite, L. P. and Singh, G. (1997): "Ergonomics in agricultural and allied activities in India" Project report CIAE Bhopal. P. 51.

Gite, L. P. and Singh, G. (2001): "Report" Central Institute of Agricultral Engineering Bhopal pp. 18.

Gite, L. P. and Yadav, B.G. (1991): "Optimum handle height for a push – pull type manually operated dryland weeder" Ergonomics, 33, 1487 – 1494.

Gite, L. P.; hurgare, B.D.; Adhaoo, S.H.; Pande, A.C. and Patel, S.L. (1991): "Ergonomics evaluation of a lever operated knapsack sprayer" Applied Ergonomics 22: 241-250.

Gite, L.P. and Yadav, B. G. (1989): Anthropometric Survey for agricultural machinery design: An Indian case study Journal of Applied Ergnomics. September 20(3) 191-196.

Gite. L.P (2002): Training for investigators of the national agricultural technologies project empowerment of women in agriculture on women friendly agricultural technologies. January 22.24, CIAE Bhapal.

Gorecki, G. A. (1973): Preliminary investigation of lower extremity impairments among men in heavy industry. Journal of the American Podiatry Association, 63, 47-65.

Grady, R. E. (1954): "Body Mechanics in Home Making Tasks". Rhode Islands, College of Home Economics.

Gradyean, E. and Hunting, W. (1977): Ergonomics of posture: Review of various problems of standing and sitting posture: ,Applied Ergonomics vol 8.

Graf: M. Guggenbubil, U. and Krueger: H. (1991): Movement dynamics of sitting behavior during different activities, in Y. Queinnec and F. Duniellou (eds), Designing for everyone (London: Taylor and Francis), 15-17.

Grandjean (1979): "The Physilogy of Work" 3rd eds. London and Fraces Ltd. P. 64-70.

Gray, F.F, Hanson, J.A., and Jones, E.P., (1966): "Postural Aspects of Neck Muscles". Ergonomics. Vol.9, pp245-256.

Green, R.A. Briggs, C.A. Wringely, T.V, (1991): "Factors Related to working posture and it's Assessment Among Keyboard Operations". Applied Ergonomic, Vol.22.No.1, pp. 29-35.

Grieve D, Pheasant S. (1982): Biomechanics. In the Body at work, edited by WT Singleton. Combridge University Press, Combridge, England.

Grover, I and Verma T. (1993): "Rural household Pattern : Time Household Possession, fuel and fodder consumption" J. of research, Haryana Agriculture University. 23(1) 54-60.

Gschwend, N. (1969): "Schulgestuhl and Haltungsschaden", Z. Praventivmed, Vol.14,pp.8-14, cited in Grandyean, E. (1973): "Ergonomics in the Home", Taylor and Francis, London.

Guangyan; L. and Buckle: P. (1999): Current techniques for assessing physical exposure to work related musculoskeletal risks, with emphasis on posture-based methods. Ergnomics. 1999. Vol 42. No-5 678-695.

Guedes, D.T.; Masculo, F.S.; Cardia, C.G. (2001): How to Work: which is the best posture? Proceeding of International Congress on Humanizing Work and Work Environment, Bombay, 11-14 December, 2001. ed IIT Bombay.

Gulati, L. (1991): "Women in the unorganized sector with reference of kerala. " The Indian journal of labour Economics, 34(2):241-248.

Gupta, M. (1968): "Anthropometric Study of two Hundred Women of 83-87cm Bust Measurement and Adoption of Basic kind Blocks of this size to various Night Cloths". Unpublished Masters Dissertation, M.S.U. Baroda.

Gupta, P. Singh, S. Singhal, A. Jain, S. Mathur, P and Choudhary, A (2004): Drudgery Reduction of farm women through technology intervention under National Agricultural technology project in Rural Areas of Udaipur District. Proceeding of National conference on Humanizing work and work Environment. NITIE. Mumbai. April 22-24, p29

Gupta, P.K; Sharma, A.P; and Gupta, M.L. (1983):Anthropometric survey of Indian form workers AMA. XIV(1), PP27-30.

Gupta; N., Patel; J.K.and Acharya, M. (2004): Ergonomic Evaluation of the Existing Agricultural tools used by the farm women. Proceeding of National Conferenceon Humanizing work and work Environment . NITIE. Mumbai, April 22-24, p.39.

Hanspal, K. (1985): "A study of the Kitchens Work Surface and Shortage Space Suited for Punjab Ladies M.Sc. Thesis (abstract). Punjab Agricultural University, Ludhiana.

Hasalkar; S.M., Shivalli, R.C., Budihal, R.Y. and Biradar, N.P. (2004): design of weeding tools: Saral Kurpi to reduce the drudgery of farm women. Proceeding of National conference on Humanizing work and work Environment, NITIE Mumbai, April 22-24 p 63. Haslegrave, C.M. (1994): What do we mean by a 'working posture'? Ergonomics, 37 (4) pp781-799.

Henning J., Thomassian P. and Baker L. (1990): "Organic Farming in Quebac" Results of a survey Dept. of agriculture economics Mc Hill University, Quebecp.21-22.

Hignett, S. (1994): Using computerized OWAS for postural analysis of nurshing work, in S.A. Robertson (ed.) Contemporary Ergonomics 1994 (London: Taylor and Franus), 253-258.

Hodges, R.D. (1981): "An Agriculture for the future" In: Stonerore, B. (ed). Biological husbandry a scientific approach to organic farming, Butterworth. London, p.1-14.

Hsiao, H. and Halperin, W. (1998): Occupational safety and human factors, in W.N. Rom (ed.), Environmental and occupational medicine, 3rd edn (Philadelphia, P.a:Lippin- Cott- Raven), 919-932.

Hsiao; H, Long, D. and Snyder, K. (2002): Anthropometric differences among occupational groups. Ergonomics. February Vol.215, No. 2, 136-152.

Iida, (1990): Intro. Ergonomia: Projecto e producao. Sao Paulo: Edgard Blucher.

Indian council of Agricultural Research (2001): Empowerment of women in agriculture. Project report, New Delhi.

Indian Federation of Organic Agriculture Movement (IFOMA) (1996): "Concepts, principles and basic standards of organic agriculture" A Guideline for policies for the organic Agriculture standards Aurangabad Nov.28-29 pp.20-25.

Jakobsson, M.D. (1993): Assessment of the work, place by workers and observer occupationally. Paper presented at Advances in industrial Ergonomics and safety PP 149-153.

Jately, Surinder (1981): Impact of Planned Social Bhange and Modernization on Rural Women- A pilot study in Western U.P. ICSSR Research Abstracts 10(2): pp 1-16.

Jearth, B.K. (1970): "Social and preventive medicine" Ludiana, Manmohan Jearth, pp. 93-103.

Joshi, S. (1985): "Women in Agriculture" Indian Farming. 11:11-15.

Joshi, S. (1998): Ergonomics. 1st ed. Vadodara, Baroda Press. 65p.

Kabir, K. et al. (1976): Rural Women in Bangladesh: Exploding some Myths. Ford Foundation Report. 42: pp17-23.

Kant, I; Notermans, J; H.V. and Borm, P.J.A.(1990): Observation of working postures in garages using the ovako working posture analysis system(owns) and consequences workload reduction recommendation, Ergonomics, 33 PP 209-201

Karhu, O. Kansi, P. and Kuorinka, I (1977): Correcting working posture in industry a practical method for analysis, applied. Ergnomics, 8. pp199-201.

Karhu, O., Harkoen, R, Sorvali, P. and Vepsalainen, P. (1981):Observation Working Postures in Industry, Examples of OWAS Application. Applied Ergonomics pp199-201.

Kaul, I. Notermanas, J.H.V. and borm. P.J.A (1990): Observations of Working Postures in Garages using the OVAKO working posture analysis system(OWAS) and consequences work load reduction recommendations. Ergonomics, 33 pp209-220.

Kaur, M (1988): Rural women and technology advancement. New Delhi: Discovery Publishing House.

Kaur, R.N. and Splinter, W.E. (1964): "The man machine concept as a guideline to the introduction and development of small implements in India" Paper presented at the 1964 annual meeting of ASAE held at Colorado.

Kaur, S. (1986) "Women in Rural Development", New Delhi. Mittal Publications.

Kaur,S. and Punia, R.K. (1988). Gender Blas in Family Planning- Preference for female Sterlization. Paper presented at 4th National Conference on Women Studies held at Visakhapatnam. Dec. 28th-30th.

Keegan, J.J. (1953): Alterations of the lumber curve related to Posture and Seating", Journal of Bone Joint Surgery, Vol.35, pp567-589.

Kemmlert, K. (1995): A method assigned for the identification of ergonomic hazards. Applied Ergonomics, 26 pp199-211.

Kemmlert, K. and Kilbom, A. (1987): method for identification of musculoskeletal Stress and factors which may have injurious effects. Paper presented at XI th word congress on the prevention of occupational Accidents and Diseases, Stockholm,pp 401-404.

Keyserling, W.M. (1986): Postural analysis of the trunk and shoulders in simulated real time Ergonomics, 29,pp 569-583.

Kivi; P. and Mattila, M. (1991): Analysis and improvement of work postures in building industry: application of the computerized OWAS method, applied Ergonomics, 22,pp 43-48.

Kroemer K,H,E. (1970): Human Strength, terminology. Measurement and interpretation of data. Human factors 20: pp481-497.

Kroemer, K. (1983): "Engineering Anthropometry: work Space and Equipment to fit the user", Cited in oborne, D, and Gruneberg, M.

Kumar, S. (1990). Cumulative load as a risk factor for back pain. Spine. 15:pp1311-1316.

Kuorinka, I.; Cote, M.M.; Baril, R.; Geoffrion, R.; Giguere, D.; Dalzell, M.A. and Larve, C. (1994). Participation in Workplace design with reference to low back pain: a case for the improvement of the police patrol car. Ergonomics, 37, 7, pp1131-1136.

Lampkin, H. (1990): "Organic Farming" Farming Press book U.K.pp.40-45.

Laxmidevi (1982): Role of Rural Women in Agricultural Department, Kurukshetra. Oct.16.pp15-20.

Lehman, G. (1953): "Praktische Arbeits- physiologic" Stuttgart: George Thieme Verlag.

Lehmann, G. and Stier, F. (1961): "Mensch and Gereat", cited in: Grandyeah, E.(1973): "Ergonomics in the Home", Taylor and Francis, London.

Lewin, T. (1969): "Anthropometric studies on Swedish Industrial workers when standing and sitting:, Ergonomics, Vol, 12 No. 6 PP 883-902.

Lundervold, A., (1951): Electromyographic Investigations during Sedentary Work, Especially Type writing". British Journal of Physical Medicine, Vol.14, pp. 32-36.

Madre, P.G.E. and Yeole, S.N. (2004): Evaluation of suitable wheel type hand tool for weeding cited In: Proceeding of National conference on Humanizing work and work Environment MIITE, Mumbai, April 22-24, 2004.

Maire, M.V. (1992): Occupational diseases; Health Action, 5(4). Pp 15-17.

Mc Hill, M.B.and Parsons, K.C. (1999) Appropriateness of International heat stress standards for use in tropical agricultural environments. Ergonomics. Vol.42. no.6. pp779-797.

Modgal, S. (1995): Relevance of organic farming proceeding of the National symposium on "Orgnaic farming for sustainable crop production and Environment Protection" May 27-28, (1994)

Morris, R.A. and Meelu, O.P. (1985): Wetland soils: Characterization, classification and utilization, IRRI, Philippines pp 321-45.

Mukhopadhayay, S.K. (1984): Constraints to Technological Progress in Rice and cultivation – An Experiment survey Researchh in West Bengal. University of Kalayani, West Bengal. **Munjal**, S. (1984): An Exploratory Study of rural women's time Allocation decisions and activity pattern in Karual District. Unpublished master's Thesis Hisar. HAU India.

Munjal, S.; Sangwan, V. and Grover, I. (1984): "Work Participation and time allocation pattern among rural women" In: Dak, T.M. (Eg.) Women and Work in Indian society, New Delhi: Discovery Publishing House, pp 127-135.

Nag Pranab Kumar and Chakerabarti .ed. (1996): Ergonomics and work design: emerging issues in organizational sciences. New Delhi, New Age International, 396p.

Nag, et al (1980): "Energy Expenditure in some agriculture and allied activities" In: Ergonomics in Agriculture and Allied Activities in India (ed) Gite-L.P. and Singh, G.CIAE, Bhopal. pp.42.

Nag, P.K and Dutt, P. (1980): "Cardio respiratory efficiency in some agricultural work" Applied Ergonomics 11: 81-84.

Nag, P.K. and Chatterjee, S.K. (1981): "Physiological reactions of female workers in Indian agricultural work" Human Factor. 23:pp 607-614.

Nag, P.K. and Dutt, P. (1979): "Effectiveness of simple agriculture weeders with refrence to physiological responses" J. of human Factor. 8: pp13-21.

Nag, P.K.; Goswami, S.P. Ashtekar and Pradhan, C.K. (1986): "Ergonomics in sickle operations" J.of Applied Ergonomics .193, pp 233-239.

Nag. P.K., Chintharia, S., Saiyed, S. and Nag, A. (1986): "EMG Analysis of sitting Work Posture in Women". Applied Ergonomics, Vol. 17, No. 3.pp 195-197.

Nag; P.K., Goswami, S.P.; Ashteker and Pradhan, C.K (1988): Ergnomics in sickle operation. Applied Ergnomics 19(3). pp233-239.

Nambiar, K.K.M, and Ghosh, A.B. (1984):Highlights of Research of a long. Term fertilizer experiment in India 1971-82, LIFE Res Bull, P.101, IARI. New Delhi. National Sample Survey Organization. (1988): 38th Round, Tables Based on third Quniquennial Survey on Employment and Unemployment for Haryana. New Delhi.

O'brien, R. (1941): Women's measurement for garments and pattern construction" Washington D.C. Status Government printing office: cited In: Kuruvilla, A (1971): Anthropometric study of girls between 15-20 years of age. M.Sc. Thesis, M.S. University of Baroda.

Oberg, T. (1994): Subjective and Objective evaluation of shoulder muscle fatigue. Ergonomics, 37(8)pp1323-1333.

Okala, C. and Makey, S. (1975): Women in Agriculture in Southern Ghana. World Agricultural Economics and Rural Sociology Abstracts. 18(5):339p.

Palmer, I. (1978): Women and Green Revolution. Paper presented to the conference on the continuing subordination of women and the development process. Sussex, Institute of Development Studies. Mimca.

Pandey, U.K. et.al. (1986): Existing status of Rural Women in Changing Haryana Agriculture. Paper presented in the seminar on role of development programme on socio-economic status of women, held in the Department of Agricultural Economics. HAU, Hisar on 21st- 22nd March, 1986.

Park, R.E. and Rodburd, K. (1962): "Behind our Masks" Survey, 56: pp135-139.

Patel of and Singh, K.N (1972): Differential characteristics of adopters and non-adopters of form planning Indian journal of extension education 6(1 and 2): pp 96-102.

Patel, V. (1984): Impact of Modern Technology on the Employment and the conditions of Work of Women in India. Paper Presented in Workshop on Women. Technology and Forms of Production in New Delhi on 30th-31st October.

Pathak, P.K. (2002): "Farmers animal husbandry practices in relation to organic animal husbandry standards: An Exploratory study in Bankera district

of West Bengal" M.V.Sc Thesis Indian Veterinary Research Institute IVRI) u.p. India 170p.

Peasant, S. (1986): Bodyspace: Anthropometry, Ergnomics and Design. Taylor and Francis. London.

Pheasant, S.T (1982):Anthrepometric estimates for British civilian Adults" Ergonomics 254):993-100

Philips, P.G. (1954): "Metaboliccost of agricultural activities in West Africa" J.of Tropical Medicine 57: pp12-20.

Posture Targetting: A Technique for recording working postures. Ergonomics. 22, pp 357-366.

Pradhan, S.K.; Goswami, A; Ghosh S.Kand Nag, P.K. (1986): "Evaluation of Working with spade in agriculture" Indian J. Medical Research 84, pp 424-429.

Priel, U.Z. (1974): A numerical defination of posture. Human factors. 16. pp 576-584.

Pund, S. (2004):Ergonomics and Agro-technical Approach in design and development of sickle. Proceeding of national conferenceon Humanizing work and work Environment. NITIE. Mumbai. April 22-24, 65p.

Rama, k. (1990): "Role of Women in Farm decision" Women in agriculture, Vol. 1, pp11-13.

Rao, S. (1987): "Physiological cost and perceived exertion for home and farm activities done by rural women" Unpublished Ph.D. thesis SVT college of Home Science. SNDT women's University, Mumbai.

Ring, L. (1981). Facts on Backs. Institute Press. Loganville Ga.

Rio, Rodrigo Pires Do. (1998): Ler- Ciencia* lei. Belo Horizonte: Health.

Rys, M. and Konz, S. (1994): Standing. Ergonomics, 37(4) pp 677-687.

Rys. M.and Kanz, S. (1989): "Standing with one Foot Forward" Cited in Rys, M.and Kanz, S. (1994): Standing Ergonomics, Vol.37 No.4, pp.677-687.

Saha, P.N.; Banerjee, P.K. and Narayan, G.G. (1979): "An acceptable workload for Indian Workers" Ergonomics 22(9) : pp1059-1071.

Saikia, P.D and Gogoi, S.K. (1981): Women Labour in North East India, Yojana, 25(12):pp 11-12

Sakai, M.; Kurata, K; Annevelink, E.and Oving, R. (1993): "the Change of Women's workload and women's role in Japanese agriculture". Proceedings XVC10 STA-CIGRV Congress : Farm Planning labour and lobour conditions. Computed in agriculture management. Wageninger, Netherlands, 10-13 May. pp158-162.

Sanders, M.S. (1977): "Anthropometric Survey of Truck and Bus Drivers: Anthropometry, Control Reach and Control Force", Canyon Research.

Sandha, M.K. (1985): A study of the utilization of the time spend in performing household activities by homemakers of rural area. An abstract. Published in: PAV Home Science Research Abstract pp23-24.

Sangwan, V.:Sharma, R. and Singh D. (2001): Evaluation of kitchen work centers and structures in Households. Proceedings of International Congress on Humanizing Work and Work Environment, Bombay, 11-14 December 2001. ed IIT Bombay.

Satzler, C., Satzler, L. and Kanz, S. (1993): "Standing Aids", Proceedings of Ayoub Symposium, Taxas, pp29-31.

_____Schoberth, H., (1962), "Die Wirbelsaule Von Schulkindern". Cited in Grandyean, E., (1969): "Sitting-Posture". Taylor and Francis, London, pp.98-111.

Scott; B and Lambe, N.R. (1996): Working practice in a Perchery system using the OVAKO working posture analysis system. Applied Ergonomics,27, pp281-284.

Selvarani, S. (1992): Handing work place stresses" Health Action 5(4): 4-9.

Sen, G. (1986): "Paddy Production, Processing and Women Workers in India: The South Us North East" Paper presented at the conference on : Women in rice farming system 26-30 Sept. (1983) IRRI Lusbarcs, Lutansa.

Sen, R.N, Nag, P.K., and Ray G.G. (1977): J. Indian Anthropol Soc, 12, pp201-208, some anthropometry of the people of eastern India.

Sen, R.N. (1964): Some anthropometric studies on Indian a tropical climate. Proc symp on environmental physiology and psychology in arid conditions, UNESCO, Paris, pp163-174.

Sengupta, A., and Sen ,R.N.(1964): Body measurement of nobs in textile millsin Bombay. Report of Central labour Institute, Bombay, India.

Shahnawaz, H and Davies, B.T., (1977): "Anthropometric study of Iranian steel workers". Ergonomics, Vol.20,No1, pp 31-34

Shahnawaz, H.and Davies, B,T. (1977): "Anthropometric Study of Iranian steel Workers" Ergonomics 20(6) :pp651-658.

Shalini (2000): "Ergonomic evaluation of workload to determine work rest allowance in critical activities for the physical fitness of women farmers of HILL REGION OF Nainital district' Master thesis. Dept. of Frm, college of H.Sc. G.B. Pant University of Agriculture and Technology, Uttranchal.

Sharma A.K. (2001): "A handbook of New technologies on life and employment of women. Paper presented at the Asian Workshop on technological change and women towards21st century. February 5-9 New Delhi, India.

Sharma, A. (1993): "Rural Women and technology" Ph.D Thesis Department of HomeManagement, Faculty of Home Science. The M.S. University of Baroda, Gujarat.

Sharma, A.K. (2001): A handbook of Organic Farming Agrobios (India), Joadhpur.

Sharma, M. (1977): Science and Technology for the betterment of rural women. Kurukshetra. 25(2)pp 4-5.

Sharma, M.L and Dak, T.M. (Ed.) (1989): Green revolution and Social change. New Delhi: Ajanta Publications.

Sharma, P. and Thakur, T.C. (1996-98): "Ergonomic assessment of various activities performed by women farmer in farm household of hill region of U.P". Report: Adhoc Research Scheme, ICAR Pantnagar, 196p.

Sharma, S.K. (1995): "Occupational health problems: Impact on output and household development of women workers of rural and urban handloom industries of Panipat" Ph.D. Thesis Dept of Home Management, Faculty of Home Science. The M.S. University of Baroda, Gujarat.

Sharma; P. (2004): Women in Agriculture, Cited in: Proceeding of International Conference on Globalization and Women's Work in South Asia and the EU: Frictions, Networks and perspective held on December 13-17, 2004 at, Hisar, Haryana.

Shiva, V. (1991): Biotechnology development and conservation of diversity. Eco. And pol. Weekly Nov. 30, 1991: pp2740-46.

Sikka, B.K. and Swarup R. (1990): "Role of Women in Hill Farming: A study of Himachal Pradesh" Agricultural Situation in India 44(10): pp835-836.

Silverstein; B. (1999): Work- Related Musculoskeletal Disorders: General issues. Ed by Waldemer Karwawski. International Encyclopedia of Ergonomics and human factor, Taylor and Francis, London and New York. Vol-III, 1620p.

Singh D. and Singh T.P. (1995): Naga's experience in organic forming cited In: organic farming for sustainable crop production and environmental protection. Agronomy society. G.B Pant University. Pantnagar.

Singh, G and Gite, L.P. (2001): Information Brochure on National Research center for women in Agriculture central Institute of Agricultural Engineering, `hopal. Singh, K.N. and Singh, S.N. (1981): "Measurement in extension research" Instrument Development at Indian Agriculture Research Institute. Division of agricultural division. New Delhi pp 178-181.

Singh, K.P. (1972): Career and Family Women's Two Roles. Indian Journal of Social Work. 33(3): pp25-26.

Singh, K.S. (1994): All India Anthropometric Survey.North Zone. Basic anthropometric data.Volume11 (part one) M.P. Anthropological survey of India.

Singh, R.V. (2001): "Untapped potential down to earth" Science and Culture 10(8): pp34-41.

Singh, T.R. (1968): Participation of Rural Women in Decision Making Process Related to the Farm Business in MES Block Jabalpur. Unpublished M.sc thesis, JNKVV, Jabalpur.

Singhal, S.(1989): Women's work pattern and economic contribution to family resources development in rural household of Haryana Ph.D. Thesis. Faculty of Home Science. M.S. University of Baroda. Baroda.

Sinha, B.P. and Verma, S.K. (1988): 'Women in agriculture victim of drugery' Paper presented in: International conference on appropriate agriculture technologies for form women, future research strategy and linkage with development system. Nov 30. Dec. 6 organized by ICAR, New Delhi.

Sisosdia, G.S. (1971): Social Implications of Farm Mechanizations in Rural Harayana. Unpublished Doctoral Thesis Hisar: Harayana Agricultural University India.

Snook, S.H. and Trvine, C.M. (1969): "Physiological studies on physiological fatigue" Human factors 11(3): pp291-300.

Solanki, S.N; Yeole; S.N., Nadre; R.G.and Jedhavaro, K.S. (2004): comparison of Heart Rate response of women workers during Jawar Harvesting with local and Improved Sickles. In Proceeding of National Conference on Humanizing work and work environment: NITTIE Mumbai, April 22-24.

Spencer, D.S.C (1981): Women in a Developing Economy- A west African case study. AID Research and Development Abstracts. 9(1): 31.

Srinivasan, M. (1981): Rural Women. Science for Villages. 5(5):10.

Srinivasan, K., Reddy, P.N. and Raju, K.M.M. (1978): From one Generation to the Next: Change in Fertility. Family size Preferences, and Family Planning in an Indian State Between 1951 and 1975. Studies in Family Planning. 9(10 and 11): 258-271.

Srivastava, J.C.(1985): "Harvesting technology for improving the quality of life of rural women" In : Borah, R. (1991) Technology, Women's Task Performance and Quality of Life of Rural household in Assam, Ph.D. Thesis. The M.S.U. Baroda.

Srivastava, P.K.; P.K.; Shukla, B.D. and Srivastava, N.S.I. (1995): "Appropriate agri based technologies for rural women" Central Institute of Agricultural Engineering, Nabi bagh Bhopal 77p.

Stoudt, H.W. (1981): "Anthropometry of the Elderly". Human Factors. Vol.23, No.1, pp 29-37.

Straker, I.M.; Stevenson, M.G. and Towmey, L.T. (1999): "A Comparison of single and combination manual handling tasks risk assessment: Body discomfort, RPE and heart rate" Ergonomics 40(6): pp656-669.

Sultana, F. (1984): A Study of female laborForce participation in Development; It's Extent and Impact on Family Living in Rural Bangladesh. Unpublished Doctoral Thesis M.S.U Baroda. India.

Sumal, P.K. (1993): "the status of women in Central Himalaya: A Cultural Interpretation" Man in India 73 (1) 87-95.

Sumangala, P.R. (1995): "Development of Standards Based on Anthropometric Measurement and their Implications in the Designing of Kitchen and Storage, Ph.p. Thesis, Faculty of Home Science, M.S. University, Baroda. Sumangala, P.R. (1995): "Development of standards based on anthropometric measurements and their implications in the designing of kitchen and storage" Ph.D. Thesis. Faculty of H.Sc. M.S. University of Baroda, Baroda.

Sundar, R.(1990): The status of women and family planning acceptance. Some field results the journal of family welfare. 35(2), June.

Taxation Inquiry Committee (1991): "Government of India Publication" New Delhi, Jain Book Depot.

Tewari, H.C. (1995): Ecological consideration in organic farming. Proceeding of the National Symposiesm on 'organic farming for sustainable crop production and environmental protection', G.B.P.U.A, &T. Pantnagar May 27-28, 1994.

Tewari, P.S.; Gite, L.P.; Dubey, A.K.and Kot, L.S. (2002): "Agricultural injuries in central India: Nature, magnitude and economic impact. J. of Agricultural Safty and Health 8(1):pp 95-111.

Tewari, V.k.; Dutta, P.K. and Murthy, A.S.R. (1991): "Evaluation of three manually operated weeding devices" Applied Ergonomics. 22(2): pp111-116.

The week (2004): Ergonomics. How to make your workplace comfortable, 32p

Thurston, L.L. and Chave, E.J. (1929): "The measurement of attitude" Chicago University, Chicago Press.

Varghese, M.A, Saha, P.N and Atreya, N. (2000): "Ergonomics of Women at Work", Allied Publishers Ltd. Mumbai.

Varghese, M.A. et al (1994): "Development of a data base for occupational workload and physical fitness" Status of Indian Women, SNDT. Bombay University. P.29.

Varghese, M.A., Chattergee, L, Akeya, N. and Bhatnagar, A. (1989): "Anthropometry and its Ergonamical implications". U.G.C. Project Report (1) Department of Family Resource Management, S.M.D.T., Bombay. **Vats** (2004): Women in agriculture cited in proceeding of international conference on Globalization and women's work in South Asia and the EU: Frictions, Networks and perspective held on December 13-17, at Hisar, Haryana.

Verma K. (1978): "Role of Women in farm work" Women in agriculture 7(3): 20-24.

Verma, A.S. and Malik, B.S. (1984). Contribution of Rural Ladies in farm operations. Indian Journal of Home Science. 15(2): pp57-59.

Verma, S. (2001). Ergonomic Study of Existing Kitchen Designs of rural and urban Homes of Ludhiana District. Ph.D. dissertations, Punjab Agricultural University, Ludhiana, India.

Vimal, I. (1992): "Occupational hazards in agriculture" Health action 4(4): pp10-11.

Vishwanathan, P.M; Jellery, F.M. (1990): "Occupational and Environmental risk with specific reference to women" Asian workshop on technological change and women towards 21st century, New Delhi. 99 1-16.

Vonwely, P. (1968): "Design And Disease". Applied Ergonomics, Vol.1, pp 262-264.

Waddell, G. (1982): An Approach to backache. British Journal of HospitalMedicine, 28: pp187-219.

Watts, M.and Macforlane, R. (1997): "Reducing reliance on pesticides" A Review of pesticides reduction initiatives Penang, Malayasia pan Asia and Pacific pp.40-45.

Winkens, C.D. (1992): Engineering psychology and human performance (2nd ed.) (New York, Harper Callins).

Winter, M.; Sharon, D. and Morris, E. (1985): "Technology and household task performance in Moroccelli, Handears" In Sharon, Nickols(ed.). Thinking globally acting locally. The Balance Act Philadelphia. Proceeding of a workshop sponsored by the family economics / Home Management section of the American Home economics Association temple Universityp.pp75-85.

Wogalter. M.S; Hancock, P.A, and Dempsey, P.G human factors/Ergonomics society 42 and Annual meeting (santa monica, CA:Human factors and Ecgonomics society). PP 671-672.

Xiang, H.; Stallones, L.and Keefe, T.J. (1999): "Back pain and agriculture work among among farmers : An Analysis of the Colorado farm family health and hazard surveillance survey" American J. of Indian Medicine. 55(3) : pp310-316.

Yadav, B.G. and Gite L.P. (1987): "Health hazards of agricultural machinery operators": Paper for the Asian Conference on Occupational Health held at Singapore, Sept. 5-10.

Yamaguchi, Y. and Umezawa, F. (1970): "Development of a Chair to Minimize Disc Distortion in the Sitting Posture", Strasbourg.

Yamaguchi, Y. and Umezawa, F. (1970): Development of a Chair to Minimize Disc Distortion in the Sitting Posture", Strasbourg.

Zacharkow, D. (1998): "Posture: Sitting, Standing, Chair Design and Exercise", Cited in Rys, M. and Kanz, S. (1994): Standing Ergonomics, Vol 37 No.4, pp.667=687.

Zhong, L; Druary, C.G. and walleye, S.M (1991):constrained standing: Evaluating the fort/floor interface. Ergonomics 3(4)2: pp175-192.