

References

REFERENCES

- Abira, S., 2005. Efficacy of vermicomposted fruit waste and biofertilizers on growth and yield of soybean (*Glycine max* L. Merrill Co. I), M.Phil. Thesis, Avinashilingam Deemed University, Coimbatore.
- Akanbi, W.B., 2002. Growth, nutrient uptake and yield of maize and okra as influenced by compost and nitrogen fertilizer under different cropping systems, Ph.D. Thesis, University of Ibadan, Nigeria, P. 228.
- Alain, M.M.M., Israel, M.H. and Rene, M.S. 2007. Improving the nutritional quality of cow pea and Bambara Bean flours for use in infant feeding. **Pakistan J. Nutri.**, **6 (6)** : 660-664.
- Alam, S.M. and Khan, M.A. 2001. Organics and Effective micro-organisms (EM) technology and Agricultural Productivity, pp. 9-15.
- Alam, S.M.M., Fakir, S.A. and Prodhan, A.K.M.A., 1988. Effect of inoculums and urea on the yield of soybean. **Indian Agric. Res.**, **22** : 59-64.
- Albiach, R., Canet, R., Pomares, F. and Ingelmo, F., 2000. Microbial biomass content and enzymatic activities after the application of organic amendments to a horticultural soil, **Biores. Technol.**, **75 (1)** : 43-48.
- Anderson, D.B.S., Luiza, P.A.M.G., Henrique, C.D.M. and Franco, M.L., 2004. Ascorbic acid biosynthesis : a precursor study on plants, **Braz. J. Plant Physiol.**, **16 (3)** : 147-154.
- Appleby, C.A., 1974. Leghaemoglobin, In : **The Biology of Nitrogen Fixation**. N. Y. North Holland, P.769.
- Appleby, C.A. and Bergersen, F.J., 1980. In : Methods for evaluating biological nitrogen fixation (Ed. Bergersen, F.J.), John Wiley and Sons, New York, P. 315.
- Arnon, D.E., 1949, Copper enzymes in isolated chloroplast, **Plant Physiol.**, **24** : 1-5.

- Arul, P., 2002. Impact of treated paper board mill effluent and solid waste on yield and quality of marigold – soil ecosystem, M.Sc. Thesis, Department of Environmental Science, Tamil Nadu Agricultural University, Coimbatore, P. 88.
- Barrena, R., Canovas, C., and Sanchez, A. 2006. Prediction of temperature and thermal inertia effect in the maturation stage and stockpiling of a large composting mass. **Waste Management 26(9)** : 953-959.
- Barrena, R., Vazquez, F. and Sanchez, A., 2007. Dehydrogenase activity as a method for monitoring the composting process, **Bioresour. Tech.**, NCBI, Pub. Med., www.pubmed.gov.
- Basavanneppa, M.A. and Biradar, D.P., 2003, Organic manures as a source of bionutrients in intensive agriculture, **Kisan World, 30** : 61-62.
- Bhargava, S.C., Tomar, D.P.S. and Sinha, S.K., 1979. Physiological basis of productivity in Brassica ecotypes. In processing of symposium on **Research and Development Strategies for Oil Seeds Production in India**, held during 2-9, November, held at Indian Agri. Research Institute, New Delhi, pp. 103-113.
- Bhattacharyya, P., Pal, R., Chakraborty, A. and Chakrabarti, K., 2001. Microbial biomass and activity in a laterite soil amended with municipal solid waste compost, **J. of Agron. and Crop Sci., 187 (3)** : 207-211.
- Bowes, G.W., Orgen, W.L. and Hageman, R.H., 1972, Light saturation, photosynthetic rate, RUBP carboxylase activity and specific leaf weight in soybeans grown under different light intensity, **Crop Sci., 12** : 77-79.
- Bray, H.G. and Thorpe, W.V., 1954. Analysis of phenolic compounds of interest in metabolism, **Meth. Biochem. Anal., 1** : 27-52.
- Bruggenwert, M.G.M., 2005. EM – Research in the Netherlands, EMRO, www.emro.co.jp.

- Cappaert, I. Verdonck, O. and Boodt, M. 1976. Composting of bark from pulp mills and the use of bark compost as a substrate for plant breeding. **Compost Sci.**, **17** : 6-9.
- Castaldi, P., Garau, G. and Melis, P., 2007. Maturity assessment of compost from municipal solid waste through the study of enzyme activities and water-soluble fractions, *Waste Manag.* NCBI. Pub. Med. www.pubmed.gov.
- Chakrabarti, K., Sinha, N., Chakraborty, A. and Bhattacharyya, P., 2004. Influence of soil properties on urease activity under different agro ecosystems, **Archives of Agron. and Soil Sci.**, **50** : 477-483.
- Chang, E.H., Chung, R.S. and Tsai, Y.H., 2007. Effect of different application rates of organic fertilizer on soil enzyme activity and microbial population, **Soil Sci. and Pl. Nut.**, **53 (2)** : 132-140.
- Channabasavanna, A.S., and Rahman, S.A., 2002, Utilization municipal waste in agriculture, **Kisan World**, **29** : 38-39.
- Chassy, A.W., Bui, L., Renaud, E.N., Van, H.M. and Mitchell, A.E., 2006. Three year comparison of the content of antioxidant microconstituents and several quality characteristics in organic and conventionally managed tomatoes and bell peppers, **J. Agric. Food Chem.**, **54 (21)** : 8244-8252.
- Chaudhury, J, Mandal, U.K., Sharma, K.L., Ghosh, H. and Mandal, B., 2005. Assessing soil quality under long-term rice based cropping system, **Communications in Soil Sci. and Pl. Anal.**, **36 (9 and 10)** : 1141-1161.
- Convertini, G., De Giorgio, D., Ferri, D., Giglio, L. and La Cava, P., 1999. Sugar beet and durum wheat quality characteristics as affected by composted urban waste, In : *Improved crop quality by nutrient management*, Anac, D., Martin-Prevel, (Eds.), Kluwer, Dardrecht, pp. 241-244.
- Crawford, J.H., 1983, Review of the composting process. **Bio Chem.**, **18** : 14-15.

- Crecchio, C., Curci, M., Pizzigallo, M.D.R., Riceiuti, P. and Ruggiero, P., 2004. Effects of municipal solid waste compost amendments on soil enzyme activities and bacterial genetic diversity, **Soil Biol. and Biochem.**, **36** : 1595-1605.
- Dahiya, J.S., Khurana, A.L. and S.S. Dudeja, S.S., 1980. Evaluation of *Cajanus cajan* (L). **Rhizobia International Workshop of Pigeon Pea**, **11** : 373-379.
- Daly, M.J., Lincoln, Canterbury, 1999. Influence of Effective Microorganisms (EM) on vegetable production and carbon mineralization : A preliminary investigation, **J. of Sustain. Agri.**, **14 (2/3)** : 15-25, ISN : 1044-0046.
- Damodharan, V., Monson, C.C. and Kanakasabai, V., 2005. Development of indigenous. In : Vessel for composting, **Poll. Res.**, **24** : 275-277.
- Daniel, J.N., 2005. EM based farming practices for small farmers in India, EMRO, www.emro.co.jp.
- Davamani, V., 2002. Studies on the impact assessment of application of spent wash, biocompost, biosuper and inorganic fertilizer on turmeric and soil ecosystem, M.Sc. Thesis, Tamil Nadu Agricultural University, Coimbatore, P. 102.
- Deshmukh, M.G. and Joshi, R.N. 1973. Effect of Rhizobial inoculation on the extraction off protein from the leaves of cowpea (*Vigna sinensis* L.) **Indian J. Agric. Sci.**, **43** : 539-542.
- Dubois, M., Kill, K.A., Hamilton, J.K., Rolers, P.A. and Smith, F., 1956. Calorimetric method for determination of sugars and related substances, **Anal. Chem.**, **28** : 350-352.
- Dufa, G. 2000. Principal component analysis for the effect of urban domestic refuse compost on lettuce growth, **Chinese J. and Environ. Bio.**, **6** : 520-525.
- nitrogen fixation and oxygen consumption, **Plant and Cell Physiol.**, **23** : 89-91.

- Elfork, N., 1972. Leghaemoglobin, a plant haemoglobin, **Endeavour**, **31** : 139-142.
- El-kady, M.M., Manoure, M.A. and Selim, A.H., 1982. Physiological study on soybean plants in relation to different nitrogen levels. Growth, nodulation and yield, **Minufiya J. Agri. Res.**, **5** : 19-40.
- Ellis, R.J., 1976, The search for plant messenger RNA in "perspective in experimental biology", Sunderland pergamon, pp. 283-298.
- Fayed, M.T. and Mostafa, M.T., 1986, Nitrogen content and photosynthetic pigments in soyabean cultivar as affected by Nitrogen fertilization, **Ann. of Agri. Sci.**, **24** : 1281-1297.
- Fogarty, A.M and Tuovinen, O.H. 1991. Microbiological degradation of pesticides in yard waste composting. **Microbiol Reviews** **55 (2)**: 225-233.
- Freitag, D.G., 2000. The use of Effective Microorganism (EM) in organic waste management, Lucas Film Agriculturists, Martin Country, California, A Case study of sustainable farming and composting, <http://www.emtrading.com>.
- Georgacakis, D., Tsavdaris, A., Bakouli, J. and Symeonidis, S., 1996. Composting solid swine manure and lignite mixtures with selected plant residues, **Biores. Technol.**, **56** : 195-200.
- Ghosh, D.C. and Das, A.K., 1998. Effects of bio-fertilizers and growth regulations on growth and productivity of potato (*Solanum tuberosum*), **Indian Agri.**, **42** : 109-113.
- Gil, J.C.G., Plaza, C., Rovira, P.S., Polo, A. and Burns, R.G., 2000. Long-term effects of municipal solid waste compost application on soil enzyme activities and microbial biomass, **Soil Biol. and Biochem.**, **32** : 1907-1913.
- Good Child, D.J. and Bergersen, F.J., 1973. Development of soybean nodules. In annual report 1972, **Division of Plant Industry**, pp.66-67.

- Guerini, G., Maffei, P., Allievi, L. and Gi, G., 2006. Integrated waste management in northern Italy, Compost product and use, and analytical control of compost, soil and crop, **J. of Environ. Sci. and Health, Part B**, **7** : 1203-1219.
- Gupta, K.C., Intodia, S.K. and G.L. Jain, 1998. Effect of Rhizobium, plant growth regulators and phosphorous on yield and yield attributes of groundnut, **Ann. Agric. Res.**, **19** : 486-487.
- Gupta, R.P., Chahal, V.P.S., Chahal, D.S. and Kalra, M.S., 1976. Effects of inoculation and pelleting of moong, **J. Res. Punjab Agro. Univ.** **13** : 395-397.
- Gupta, V. and Abraham, T., 2003. Effect of different levels of sulphur and Rhizobium inoculation of soybean [*Glycinemax* (L.) Merrill], **Madras Agric. J.**, **80** : 406-410.
- Haneklaus, S., Schnug, E., Paulsen, M.H. and Hagel, I., 2005. Soil analysis for organic farming, **Communications in Soil Sci. and Pl. Anal.**, **36 (1-3)** : 65-79.
- Hedge, J.E. and Hofreiter, B.T., 1962, Determination of total carbohydrate by anthrone method. In : Carbohydrate Chemistry, Whistler, R.L. and Be Miller, J.N. (Eds.), Academic Press, New York, ;p. 163-201.
- Hicks, P.J., 1978. Growth and development in soybean physiology, agronomy and utilization, (Ed. A.G. Norman), Academic Press, New York, pp. 17-43.
- Higa, T., 1991. Effective microorganisms : A biotechnology for mankind. In : J.T. Parr, S.B. Hornick and C.E. Whitman (ed.), Proceedings of the First International Conference on Kyusei Nature Farming, US Department of Agriculture, Washington, D.C., USA., pp. 8-14.
- Higa, T., 1993. An earth sowing revolution : A means to resolve our world's problem through Effective Microorganisms (EM), Sunmark Publishing Inc., Tokyo, P. 104.

- Higa, T. and Parr, F.J., 1994. Beneficial and effective microorganisms for a sustainable agriculture and environment, Proceedings of International Nature Farming Research Center, Atami, Japan.
- Higa, T. and Wididana, G.N., 1991. Changes in the soil microflora induced by effective microorganisms, In : J.F. Parr, S.B. Hornick and C.E. Whitman (ed.), Proceedings of the First International Conference on Kyusei Nature Farming, U.S. Department of Agriculture, Washington, D.C., U.S.A., pp. 153-162.
- Ho, I.H. and Hwan, J.K., 2006, The study on the plant growth hormones in EM- A case study. Paper presented at the International Conference on EM Technology and Nature Farming, October 2006. Pyonguang, DPR, Korea.
- Hodges, R.D., 1991, Soil organic matter: Its central position in organic farming. In : Advances in soil organic matter research. The impact on agriculture and the environment. Wilson, W.S. (eds). The Royal Society of Chemistry, Red Wood Press, Wiultshire, U.K.
- Hossain, M.K., Khan, B.M. and Mridha, M.A.U., 2006. Effect of microbial inoculants on *Albizia saman* germinatino and seedling growth, **J. for Res.**, **17** : 237-244.
- Huang, C.Y., Fong, Z.L. and Fu, W.C., 1988. Effect of ammonium nitrate on the biosynthesis of leghaemoglobin and nitrogen fixation in nodules of soybean plants. **Bot. Bull. of Academia Sinica**, Taiwan.
- Humphries, E., 1956. Mineral composition and ash analysis, In : Modern methods of plant analysis, K. Paech and A.V. Trace (eds.), Springer Verlag, **1** ; 468-502.
- Hussain, J.M., 1994. Effective micro-organisms (EM), **Ileia News Letter**, **10** : 15.
- Hussain, T., Zia, M.H., Ahmad, I., Hag, A.M. and Anjum, S., 2005. Alternatives of mineral nutrient sources to sustain wheat production in Pakistan, EMRO, www.emro.co.jp.

- Jat, R.L., Gaur, B.L., Kumar, S. and Kulhari, R.K., 1996. Nodulation in soybean as influenced by fertility and need management in maize + soybean intercropping of system, **Haryana J. Agron.**, **12** : 14-16.
- Jeevan R.K., 2005, Composting organic wastes. **Kisan world**, **2** : 29.
- Jensen, E.S. and Sorenson, L.H., 1988. Update of soil nitrogen soyabean as influenced by symbiotic nitrogen fixation of fertilizer nitrogen supply, **Biol. Fertility of Soils**, **20** : 921-926.
- Jeyapriya, S.P. and Saseetharan, M.K., 2007. Study on municipal solid waste refuse characteristic and leachate samples of Coimbatore city, **Nature Environ. and Poll. Technol.**, **6 (1)** : 149-152.
- Jothimani, 2002. Integrated eco-friendly management of solid wastes of viscose pulp industry, Ph.D. Thesis, Environmental Science, Tamil Nadu Agricultural University, Coimbatore, P. 76.
- Kamel, M.S., Meteally, A.A. and Abdulla, S.T., 1987. Effect of soil and foliar fertilization on inoculated and uninoculated soybean, **J. Agron Crop. Sci.**, **158** : 217-221.
- Kim, S.D., Yoo, I.P., Hong, E.H., Shin, M.K., Choe, J.H. and Song, C.H., 1998. Effect of Rhizobium and inoculants application on nodulation and nitrogen fixation in different soil type sin soybean research reports of rural development administration, upland and industrial crops, **Korea Republic**, **30** : 9-13.
- Klucas, R.V., 1985. Nitrogen fixation and CO₂ metabolism, pp.13-20.
- Knowes, N. and Carthy, M.C., 1987. Ligno cellulose and sugar decompositions of some agro waste materials, **Bioresource Technol.**, **47** : 283-284.
- Komboonruang, V., Sangwong, W., Siripanitchosoen, S., Promnart, P., 1996, Efficiency of Effective micro-organisms EM) on increasing rice yield Kasetsart – **Nat. Sci.**, **30** : 135-142.
- Krishnakumar, S. and Jawahar, D., 2001. Coirpath Compost, **Kisan world**, **28** : 41.

- Krishnaveni, A.S. and Balamurugan, P., 2002. Boosting organic farming through farm wastes. **Kisan World**, **29** : 28-29.
- Kumaraswamy, K., 2001. Organic, inorganic and integrated soil fertility management, **Kisan World**, **28**:23.
- Kun, E. and Abood, L.G., 1949. Calorimetric estimation of succinic acid and dehydrogenase by triphenyl tetrazoleum chloride, **Science**, **109** : 144-146.
- Lawn, R.J., Fisabler, K.S. and Brun, W.A., 1974. Symbolic nitrogen fixation in soybeans. Inter - relationship between carbon and nitrogen assimilation, **Crop Sci.**, **14** : 17-22.
- Lee, S.K. and Kader, A.A., 2000. Preharvest and post harvest factors influencing vitamin C content of horticultural crops, **Proc. Harv. Biol. Technol.**, **20** : 207-220.
- Lian, X.H., Wang, R. and Amin, U.M., 2001. Effects of organic fertilizers and a microbial inoculant on leaf photosynthesis and fruit yield and quality of tomato plants, **J. of Crop Product.**, **3 (1)** : 173-182.
- Lowry, O.H., Rosebrough, N.J., Farr, A.L., Randall, R.H., 1951. Protein measurement with folin-phenol reagent, **J. Biol., Chem.**, **193** : 265-275.
- Lucas, A and Margarita,C., 2001. Microorganizing the environment. Auroville Today, Archive Copies, Auroville University Township Webmaster@auroville.org.in.
- Madejon, E., Burgos, P., Murillo, M.J. and Cabrera, C., 2001. Phytotoxicity of organic amendments on activities of selected soils enzymes, **Communications in Soil Sci. and Pl. Anal.**, **32 (13 and 14)** : 2227-2239.
- Malik, C.P. and Singh, M.B., 1980. In : Plant enzymology and histoenzymology, Kalyani Publishers, New Delhi, P. 53.
- Manonmani, M. and Anand, R., 2002. Vermicomposed an uprising fertilizers for lady's finger (*Hibiscus esculentus*), **Kisan World**, **29** : 40.

- Margarita, C.2001. EM in agriculture – A new approach. Archive copies. Auroville University Township, India. P. 15.
- Martin,F.W. 1982. Okra, potential multiple purpose crop for the temperate zones and tropics. **Eco. Bot.**, **36** : 340-345.
- Martin, D. and Gershuny, G. 1992. The Rodale book of Composting. Rodale Press, 33 East Minor strret, Emmasus, PA. 18098. Pp 278.
- Masto, R.E., Chhonkar, P.K., Singh, D. and Patra, A.K., 2006. Changes in soil biological and biochemical characteristics in a long-term field trial, **Soil Biol. Biochem.**, **38** : 1577-1582.
- Miller, G.L., 1959. Use of dinitrosalicylic acid reagent for determination of reducing sugar, **Anal. Chem.**, **31** : 426-428.
- Mphangewe, J.S.C. and Erkwealor, G.C. 1990, Agronomic potential of brewer spent grain. **Biowaste**, **34** : 334.
- Muniruzzaman, S. and Khan, S.I., 1990. Symbolic effectiveness and nodulation potential of streptomycin and spectinomycin resistant mutants of some indigenous Rhizobium isolates, **Bangladesh J. Microbiol.**, **7**: 19-23.
- Nagarajan, R., Manickam, T.S. and Kothandaraman, G.V., 1985. Manurial value of coirpith, **The Madras Agric. J.**, **72** : 533-535.
- Nakasaki, K., Shoda, M., and Kubota, H. 1985. Effect of temperature on composting of sewage sludge. **Appl. Environ. Microbiol.** **50** : 1526-1530.
- Nandan, J.S., 2006. Impact assessment of Kyusei nature farming and EM technology, Srilanka, EMRO, www.emro.co.jp.
- Nielson, S., Obler, T. and Mitchell, C., 1997. Cow pea leaves for human consumption : Production, utilization and nutrient composition. In : Singh, B., Dashiells, K., Jackai, L. (eds.), **Advances in Cow Pea Research**.

- Nogales, R. and Benitez, E., 2007. Effect of olive derived organic amendments on lead, zinc and biochemical parameters of an artificially contaminated soil, **Communications in Soil Sci. and Pl. Anal.**, **38 (5 and 6)** : 795-811.
- Obizoba, I.C. 1989. Effects of germination, dehulling and cooking on the nutritive value of cow pea (*Vigna unguiculata*) flour. **J. Food. Sci.**, **54(5)** : 1365-1372.
- Okereke, G., Samuel, E.G. and Peter, W., 2002. Effect of organic residues and fertilizers on soil fertility and growth and yield of cowpea, Symposium (13), 17th W.C.S.S. Thailand, pp. 14-28.
- Pandey, V. and Kumar, D., 2002. Biofertilizers for sustainable agriculture. **Agri Today**, **5** : 44-47.
- Pani, R.J., 1979, Variability and association between yield and yield components in pigeon pea, **Indian J. Agri. Sci.**, **49** : 507-510.
- Panse, V.G. and Sukhatme, P.V., 1978. Statistical methods for agricultural workers, ICAR Publ., New Delhi, P. 361.
- Parr, J.F. and Hornick, S.B., 1992, Agricultural use of organic amendments: A historical perspective, **American J. Alternative Agric.**, **7** : 181-189.
- Parr, J.F., Horinick, S.B. and Kaufman, D.D., 1994. Use of microbial inoculants and organic fertilizers in agricultural production. In. Proceedings of the international seminar of the use of microbial and organic fertilizers in agricultural production, published by the food and fertilizer technology centre, Taipei, Taiwan.
- Pascual, J.A., Garcia, C. and Hernandez, T., 1999. Lasting microbiological and biochemical effects of the addition of municipal solid waste to an arid soil, **Biol. and Fertil. of Soils**, **30** : 1-6.
- Prabakaran, J. and Srinivasan, K., 1995. Effect of Rhizobium inoculation and coir dust on growth, nodulation and yield of pigeon pea (*Cajanus cajan*), **Indian J. Agric.**, **40**: 518-519.

- Prabakaran, J.D., Balachandar, P., Nagarajan and C.V. Dhanakodi, 1999. Effect of dual inoculation, **Leg. Res.**, **22** : 137-138.
- Prenetha, 2002. Breeding for shoot and fruit border resistance in Brinjal, M.Sc. Thesis, Department of Horticulture, Tamil Nadu Agricultural University, Coimbatore.
- Prinsloo, J.F., Schoonbee, H.J. and Eiselen, R., 2005. Case studies on the potential of EM technology and Kyusei nature farming in commercial and rural agriculture in South Africa with special reference to its Environmental Impact on Crop Production and Regenerative Qualities on Herbicide Contaminated fruits trees, EMRO, www.emro.co.jp.
- Quang, G., Mafeng, L.I., Zhengang, Shukia, 2001, The effect of mixed organic fertilizer on soil and the yield and quality of sweet pepper, **J. Jilin Agri. Univ.**, **23** : 75-78.
- Quang, L.K., Thach, N.Q., Liet, V.V., Sang, V.Q., Ling, Trung, N.V. and Hieu, T.T., 2005, EM Technology Application in Vietnam, EMRO, www.emro.co.jp.
- Raj, V.C. and Patel, R.B. 1991. Response of summer cowpea nitrogen, phosphorous and Rhizobium inoculation, **Indian J. Agron.**, **36** : 285-286.
- Reddy, V.C., Shymala, K. and Anand, T.N., 2000. Effect of urban garbage compost on the performance of sequential cropping of vegetables, **Mysore J. Agric. Sci.**, **24** : 294-297.
- Reganold, J.P., Rapendick, R.I. and Parr, J.F., 1990. Sustainable agriculture, **Scientific American**, **262** : 112-120.
- Roe, J.H. and Kuether, C.A., 1953. The determination of ascorbic acid in whole blood and urine through 2, 4-dinitrophenyl hydrazine derivative dehydro ascorbic acid, **J. Biol. Chem.**, **147** : 399-407.
- Rosenberg, H.R., 1992. Chemistry and physiology of vitamins, Interscience Publishers, Inc., New York, pp. 452-453.

- Ruth, A.B.R., 2002. Studies on the development of F₁ hybrids in chilli with high yield resistance to anthracnose disease, Department of Horticulture, Tamil Nadu Agricultural University, Coimbatore.
- Salah. S.S. Philips, D.A. and Ray, C.F., 1977. Nitrogen Fixation and delayed leaf science in soyabean, **Science**, **199**:973-976.
- Samarta, A.K. and Patro, W., 1996. Recycling of farm wastes for organic farming, **Indian Farmer's Digest**, **29** : 28-33.
- Sangakkara, U.K., Marambe, B. and Senayake, Y.D.A., (eds.), 1999. Influence of method of application of effective micro organisms on growth and yield of selected crops. Fifth International Conference of Kyosei Nature Farming, Bangkok, Thailand, pp. 73-78.
- Sanoria, C. L. and Rawat, A. K., 1981. Effect of seed inoculation with Rhizobium, Azotobacter and Beigerinekia on yield and quality of Bengal gram (*Cicer arietinum*) var. Type 1, **Madras Agric. J.**, **21**: 76-77.
- Sanwal, S.K., Laxminarayan, K., Yadav, D.S., Pai, N. and Yadav, R.K., 2006. Growth yield and dietary antioxidants of broccoli as affected by fertilizer type, **J. of Veg. Sci.**, **12 (2)** : 13-26.
- Saraswate, A.L., 2002. Solid waste management and vermiculture, First National Conference on EM, Amrita Institute of Management, Coimbatore, Dec'8 and 9.
- Saroja, S., Anitha Das, Annapurani, S. and Srilatha, R., 1999. The utilization of pleuroties species AM-I for the biodegradation of lignin wastes, **Int. J. Env. Educ. And Inf.**, **1812** : 131-136.
- Sathiyamurthy, 2002. Studies on the development of f, hybrids in chilli with high *Capsicum oleoresin* and yield, M.Sc. Thesis, Department of Horticulture, Tamil Nadu Agricultural University, Coimbatore.
- Saxena, M.C. and Yadav, 1973. Inversatality cow pea is hard to treat, **Indian Farmers Digest**, **6** : 7-13.

- Sumner, J.B., 1955. Estimation of urease. In : Methods in Enzymology (eds.) Chowick, S.P. and Kaplan, **2** : 378-379.
- Tabora, P., Shintani, M and Elango, F., 2000. Banana researchers in *Costa Rica* (Central America) with effective microorganisms, EMRO, www.emro.co.jp.
- Tamilarasi. A., 2006. Recycling of kitchen waste into organic manure by EM (Effective Microorganisms) and its effect on *Vigna unguiculata* (L) Walp. M.Sc thesis. Avinashilingam University, Coimbatore.
- Thananusont, V., 1996. Efficiency of E.M. and Rhizobium on growth and yield of soybean, Kasetsart, **J. Nat. Sci.**, **30** : 165-170.
- Thinley, D.S., 2006. Application of the technology of Effective Microorganisms in Bhutan, EMRO (EM Research Organisation), An Earth Sowing Revolution, www.emrousa.com.
- Tilak, K.V.B.R, 1998. In: Bacterial fertilizers, ICAR, New Delhi, pp. 1-3.
- Tindall, H.D., 1983. Vegetables in the Tropics, Macmillan Education Ltd., Hound Mills, Hampshire, P. 533.
- Tjepkema, J.D. and Yocum, C.S., 1970. Leghaemoglobin facilitated oxygen diffusion on soybean nodule, **Plant Physio. Suppl.** **45**, **44 (Abstr)**. **65** : 21255.
- Updegroff, D.M., 1969, Semi-micro determination of cellulose in biological materials, **Ann. Biochem.**, **32** : 420-444.
- Veeresh, G.K., 1999. Organic farming, **Agro India**, **2** : 18-19.
- Vir, S. and Grewal, J.S., 1975. Change in the catalase activity of gram plant induced by *Ascochyta rabiei*, infection, **Ind. Phytopath.**, **28** : 223-225.
- Walkely, A. and Black, C.A., 1935. An examination of the degtiareff method of determining organic matter and proposed modification of chromic and titration method, **Soil Sci.**, **37** : 29-38.

- Weijiong, Zhen, Y. and Suzuki, A., 2006. EM technology has a vast range of prospects on the green food in China, EMRO, www.emro.co.jp.
- Wididana, G.N. and Higa, T., 1995. Effect of EM on the production of vegetable crops in Indonesia, EMRO, www.emro.co.jp.
- Witting, R., 2005. The influence of nitrogen fertilizers and Effective Microorganisms (EM) on the yield and internal quality of sugar beets, EMRO (EM Research Organization), Revolutionizing life with EM, www.emro.co.jp.
- Wittling, C.S., Houot, S. and Barriuso, E., 1995. Soil enzymatic response to addition of municipal solid-waste compost, **Biol. Fertil. Soils**, **20** : 226-236.
- Wood, T.M., Tabora, P., Gabert, L., Hernandez, C. and Miles, R., 2003. Sustainable treatment of banana industry and crop residue wastes for crop production using Effective Microorganisms (EM), Earth College, Corta Rica, Effective Microorganisms@entrading.com.research.
- Yadav, R.L. and Prasad, S.R., 1992. Conserving the organic matter content of the soil to sustain sugarcane yield, **Experi. Agri.**, **28** : 57-62.
- Yadav, S.P., 2000, Performance of Effective Micro-organisms (EM) on growth and yields of selected vegetables. In: Conference on EM Technology and nature farming from 20th to 22nd September 2000, in Pyongyang, DPR, Korea.
- Zablotowicz, R. M., Russel, S. A. and Evans, H. J., 1980. Effect of the hydrogenase system in Rhizobium japonium on the nitrogen stages of development, **Agron. J.**, **72** : 555-559.
- Zamanov, P., Albina, A., Pershayev, R. and Vekilova, E., 2002. Soil fertility and plant productivity rise by the organic wastes application. Symposium, 17th WCSS, 14-21st Aug 2002, Thailand paper, P. 520.

Newspapers

- The Hindu, 2006. Solid Waste Management by Effective Micro-organisms (EM) Eco Forums, P. 3.