- Adolph, E.F., (1947), *Physiology of Man in the Desert*, Interscience Publishing, United Nations General Assembly, New York, USA, 1947
- Afendi, M., and Teramoto, T., (2008), "Three-Point Bending Fracture Test of Epoxy Adhesive-Bonded Dissimilar Materials", Conference Proceeding of Kanto Branch, The Japan Society of Mechanical Engineers, pp.369-370, 2008
- Agarwal, A., (1981), Mud, Mud: The Potential of Earth-Based Materials for Third World Housing, London: Earthscan, 1981
- Aggarwal, G.C., and Singh, N.T., (1984), "Energy and Economic Returns from Cattle Dung as Manure and Fuel", *Energy*, Vol.9, No.1, pp.87-90, 1984
- Agrawal, D.P., (2007), *The Indus Civilization: An Interdisciplinary Perspective*, Aryan Books International, New Delhi, India, 2007
- Aharinejad, S.H., and Lametschwandtner, A., (1992), Fundamentals of Scanning Electron Microscopy, In: Microvascular Corrosion Casting in Scanning Electron Microscopy, Springer Vienna, pp.44-51, 1992
- Aimiuwu, V.O., (1992), "Evaporative Cooling of Water in Hot Arid Regions", Energy Conversion and Management, Vol.33, No.1, pp.69-74, 1992
- Alexopoulos, E.C., (2010), "Introduction to Multivariate Regression Analysis", *Hippokratia*, Vol.14 (Suppl. 1), No.23, 2010
- Al-Khawaja, M.J., (2004), "Determination and Selecting the Optimum Thickness of Insulation for Buildings in Hot Countries by Accounting for Solar Radiation", *Applied Thermal Engineering*, Vol.24, No.17, pp.2601-2610, 2004
- Allwood, J.M., Ashby, M.F., Gutowski, T.G., and Worrell, E., (2011), "Material Efficiency: A White Paper", Resources, Conservation and Recycling, Vol.55, No.3, pp.362-381, 2011
- Ang, A.H.S., and Tang, W.H., (2006), Probability Concepts in Engineering, Planning and Design, Vol.1, John Wiley and Sons, New York, 2006
- Ang, A.H.S., and Tang, W.H., (2007), Probability Concepts in Engineering, Planning and Design, Vol.1, John Wiley and Sons, New York, 2007
- Annamalai, G.R., Ravisankar, R., Naseerutheen, A., Chandrasekaran, A., and Rajan, K., (2014), "Application of Various Spectroscopic Techniques to Characterize the Archaeological Pottery Excavated from Manaveli, Puducherry, India", Optik-International Journal for Light and Electron Optics, Vol.125, No.21, pp.6375-6378, 2014
- Annepu, R.K., (2012), Sustainable Solid Waste Management in India, Master Thesis, Columbia University, New York, 2012
- Arencón, D., and Velasco, J.I., (2009), "Fracture Toughness of Polypropylene-Based Particulate Composites", Materials, Vol.2, No.4, pp.2046-2094, 2009
- Arnold, D.E., (1999), Ceramic Theory and Cultural Process, Cambridge: Cambridge University Press, Cambridge, 1999
- Aronson, E., (1969), *The Theory of Cognitive Dissonance: A Current Perspective*, Advances in Experimental Social Psychology, Academic Press, Vol.4, pp.1-34, 1969
- Arsene, M.A., Bilba, K., Soboyejo, A.B.O., and Soboyejo, W.O., (2005), "Influence of Chemical and Thermal Treatments on Tensile Strength of Fibers from Sugar Cane Bagasse and Banana Tree Trunk" In Inter-American Conference on Non-Conventional Materials and Technologies in Ecological and Sustainable Construction (IACNOCMAT), Rio de Janerio, Brazil, 11-15 November, 2005
- Ashby, M. F., and Jones, D.R.H., (1998), *Engineering Materials 2: An Introduction to Microstructures, Processing and Design*, Second Edition, Butterworth-Heinemann, Boston, 1998
- Ashby, M.F., and Cebon, D., (2007), *Teaching Engineering Materials: The CES Edu Pack*, Engineering Department, Cambridge University, 1-13, 2007
- Ashby, M.F., (2006), *Materials Selection in Mechanical Design*, Third Edition, Elsevier Butterworth Heinemann, Boston, 2006
- ASTM C242-01, (2007), Standard Terminology of Ceramic Whitewares and Related Products", ASTM International, USA, 2007
- ASTM C99/C99M-15, (2015), Standard Test Method for Modulus of Rupture of Dimension Stone, ASTM International, USA, 2015

- ASTM E399, (2012), Standard Test Method for Linear-Elastic Plane-Strain, Fracture Toughness K_{1c} of Metallic Materials, ASTM International, USA, 2012
- AWC, (2009), Perspectives on Water and Climate Change Adaptation, Vulnerability of Arid and Semi-Arid Regions to Climate Change-Impacts and Adaptive Strategies, Paper 9, The Arab Water Council, 2009
- Azeko, S.T., Mustapha, K., Annan, E., Odusanya, O.S. and Soboyejo, W.O., (2015), "Recycling of Polyethylene into Strong and Tough Earth-Based Composite Building Materials", *Journal of Materials in Civil Engineering*, Vol.28, No.2, pp.04015104, 2015
- Azeko, S.T., Mustapha, K., Annan, E., Odusanya, O.S., Soboyejo, A.B.O., and Soboyejo, W.O., (2015), "Statistical Distributions of the Strength and Fracture Toughness of Recycled Polyethylene-Reinforced Laterite Composites", *Journal of Materials in Civil Engineering*, Vol.28, No.3, pp.04015146, 2015
- Bahobail, M.A., (2012), "The Mud Additives and Their Effect on Thermal Conductivity of Adobe Bricks", Journal of Engineering Sciences, Vol.40, No.1, pp.21-34, 2012
- Banerji, R., (2016), "Cultivating Rural Technology for Development", Press Information Bureau, Government of India, *www.pib.nic.in/newsite/printrelease.aspx?relid=155839;* 26 December, 2016
- Barsoum, M., (2003), Fundamentals of Ceramics, Taylor and Francis, NY, USA, 2003
- Bartelink, E.J., Wiersema, J.M., and Demaree, R.S., (2001), "Quantitative Analysis of Sharp-Force Trauma: An Application of Scanning Electron Microscopy in Forensic Anthropology", *Journal of Forensic Science*, Vol.46, No.6, pp.1288-1293, 2001
- Baumgartner, J., Murcott, S., and Ezzati, M., (2007), Reconsidering 'Appropriate Technology': The Effects of Operating Conditions on the Bacterial Removal Performance of Two Household Drinking-Water Filter Systems, *Environmental Research Letters*, Vol.2, No.2, pp.024003, 2007
- Bell, F.G., (1983), Engineering Properties of Soils and Rocks, Butterworths, London, 1983
- Bentur, A., and Mindess, S., (2007), *Fibre Reinforced Cementitious Composites*, Modern Concrete Technology Series, Taylor and Francis, NY, pp.595, 2007
- Benture, A., (1989), Fiber Reinforced Cementitious Materials, Material Science of Concrete, Waterville: The American Ceramics Society, pp.223-284,1989
- Berry, J., Fischer G., and Guiteras R., (2012), "Eliciting and Utilizing Willingness to Pay: Evidence from Field Trials in Northern Ghana", 2012
- Bertelli, G., Camino, G., Marchetti, E., Costa, L., Casorati, E., and Locatelli, R., (1989), "Parameters Affecting Fire Retardant Effectiveness in Intumescent Systems", *Polymer Degradation and Stability*, Vol.25, No.2-4, pp.277-292, 1989
- Bhalerao, K., Shen, W., Soboyejo, A.B.O., and Soboyejo, W.O., (2003), "A Probabilistic Multiparameter Framework for the Modeling of Fatigue Crack Growth in Concrete", *Cement and Concrete Composites*, Vol.25, No.6, pp.607–615,2003
- Bielefeldt, A.R., Kowalski, K., and Summers, R.S., (2009), "Bacterial Treatment Effectiveness of Point-of-Use Ceramic Water Filters", *Water Research*, Vol.43, No.14, pp.3559-3565, 2009
- Bigas, H., Adeel, Z., and Schuster, B., (2009), What Makes Traditional Technologies Tick? Seeing Traditional Technologies in a New Light, Using Traditional Approaches for Water Management in Drylands, The United Nations Educational, Scientific and Cultural Organization, Paris, France, 2009
- Binici, H., Aksogan, O., and Shah, T., (2005), "Investigation of Fibre Reinforced Mud Brick as A Building Material", *Construction and Building Materials*, Vol.19, No.4, pp.313-318, 2005
- Binici, H., Aksogan, O., Bodur, M.N., Akca, E., and Kapur, S., (2007), "Thermal Isolation and Mechanical Properties of Fibre Reinforced Mud Bricks as Wall Materials", *Construction and Building Materials*, Vol.21, No.4, pp.901-906, 2007
- Bjorvatn, K., Reimann, C., Østvold, S.H., Tekle-Haimanot, R., Melaku, Z., and Siewers, U, (2003), "High-Fluoride Drinking Water, A Health Problem in The Ethiopian Rift Valley 1, Assessment of Lateritic Soils as Defluoridating Agents", Oral health and preventive dentistry, Vol.1, No.2, 2003
- Blondet, M., and Garcia, G.V., (2004), Earthquake Resistant Earthen Buildings, In Proceedings of 13th World Conference on Earthquake Engineering, Vancouver, B.C. Canada, 1-6 August, 2004
- Bower, T., Jefferson, A., Cleall, P., and Lyons, P., (2016), "A Micro-Mechanics Based Soil-Fibre Composite Model for Use with Finite Element Analysis", In Proceedings of the 24th UK Conference of the Association for Computational Mechanics in Engineering, Cardiff University, Cardiff, 31 March-01 April, 2016
- Brick, T., Primrose, B., Chandrasekhar, R., Roy, S., Muliyil, J., and Kang, G., (2004), "Water Contamination in Urban South India: Household Storage Practices and Their Implications for Water Safety and Enteric Infections", International Journal of Hygiene and Environmental Health, Vol.207, No.5, pp.473-480, 2004
- Brown, J., and Sobsey, M., (2006), Independent Appraisal of Ceramic Water Filtration Interventions in Cambodia, Final Report Submitted to UNICEF, Department of Environmental Sciences and Engineering, University of North Carolina of Public Health, 2006

- Brown, J., Sobsey, M., Proum, S., (2007), "Use of Ceramic Water Filters in Cambodia", www.unicef.org/eapro/WSP_UNICEF_FN_CWP_Final.pdf; 05 June, 2007
- Brown, J.M., Proum, S., and Sobsey, M.D., (2008), "Escherichia Coli in Household Drinking Water and Diarrheal Disease Risk: Evidence from Cambodia", *Water Science and Technology*, Vol.58, No.4, pp.757-763, 2008
- Brunhes, J., (1920), Human Geography, Chicago: Rand McNally, pp.74, 1920

Cambell, F.C., (2010), Structural Composite Materials, ASM International, USA, 2010

- Carlson, K., Yakub, I., Plappally, A., and Soboyejo, W.O., (2008), Low Cost Ceramics: Applications in Water Filtration and Building Insulation, Summer 2008 REU program, Princeton University, USA
- Carr, A., (2002) Grass Roots and Green Tape: Principles and Practices of Environmental Stewardship, Federation Press, Sydney, 2002
- CES Edupack, (2016), User Manual and Getting Started Guide, Granta Design Limited, UK, 2016
- CGWB, (2008), Ground Water Scenario-Barmer District Rajasthan, Ministry of Water Resource, Government of India, New Delhi, India, pp.9-11, 2011

CGWB, (2011), Select Case Studies Rain Harvesting and Artificial Recharge, Central Ground Water Board, Ministry of Water Resources, New Delhi, India, pp.9–11, 2011

- Chamis, C.C., (1972), Design Properties of Randomly Reinforced Fiber Composites, Report No. E-6569, NASA TN D-6696, 27, 1972
- Chamis, C.C., (1972), Mechanics of Load Transfer at The Fiber/Matrix Interface, Report No. E-6447, NASA TN D-6588, 63, 1972
- Chanap, R., (2012), Study of Mechanical and Flexural Properties of Coconut Shell Ash Reinforced Epoxy Composites, Graduate Thesis, NIT Rourkela, India, 2012
- Chandramouli, C., (2011), Census of India 2011, Provisional Population Totals, New Delhi, Government of India, 2011
- Charles, G.M., (2009), Cow-Powered Farm: Exploring the Possibilities of Anaerobic Digesters, Extension Bulletin E-3080, September, 2009
- Cheng, X.F., Qian, H., Zhang, S.W., Zhang, Z.S., He, Y., and Ma, M.G., (2016), "Preparation and Characterization of Cellulose-CaCO₃ Composites by an Eco-Friendly Microwave-Assisted Route in A Mixed Solution of Ionic Liquid and Ethylene Glycol", *Bio Resources*, Vol.11, No.2, pp.4392-4401, 2016
- Chigbu, P., and Salina P., (2014), *Bacteriological Analysis of Water*, In Handbook of Water Analysis, Ed.: Gelder Leen Nollet Leo, CRC Press, pp.115–62, 2014
- Cho, K.R., Kim, Y.Y., Yang, P., Cai, W., Pan, H., Kulak, A.N., Lau, J.L., Kulshreshtha, P., Armes S.P. Meldrum, F.C., and De Yoreo, J. J., (2016), Direct Observation of Mineral–Organic Composite Formation Reveals Occlusion Mechanism, Nature Communications, 7, 10187, 2016
- Christie, T., (1795), The Analytical Review, or History of Literature, Domestic and Foreign, on an Enlarged Plan, Vol.21, Paul Church Yard, London, 1975
- Coutts, R.S.P., (1988), Wood Fiber-Reinforced Cementitious Materials, Natural Fiber Reinforced Cement and Concrete, Glasgow: Blackie, pp.1-62, 1988
- Covey, S.M.R., and Merrill, R.R., (2006), *The Speed of Trust: The One Thing that Changes Everything*, New York Free Press, 2006
- Cox, D.R., and Miller, H.D., (1965), *The Theory of Stochastic Processes*, Methuen and Company Limited, London, 1965
- Cox, H.L., (1952), "The Elasticity and Strength of Paper and Other Fibrous Materials", British Journal of Applied Physics, Vol.3, No.3, pp.72, 1952
- CPCB, (2012), "Status of Water Quality in India-2012", www.cpcb.nic.in/WQ_Status_Report2012.pdf, 2012
- Cremades, A., (2000), Studying Noah's Ark: A Teaching Strategy for a Science and Seligion Course, 26th International Faith and Learning Seminar, Geoscience Research Institute Loma Linda, California, U.S.A. July 16-28, 2000
- Dalas, E., Klepetsanis, P.G., and Koutsoukos, P.G., (2000), "Calcium Carbonate Deposition on Cellulose", *Journal of Colloid and Interface Science*, Vol.224, No.1, pp.56-62, 2000
- Dave, L., Jakhar, P., Gupta, S., Satankar, R.K., Kaurwar, A., Soyam, D., Brown L.C., and Plappally, A., (2017), "Application of Novel Fibres of Crotalaria Burhia for Rope, Rooftop Cover and Mat Production", *Journal of Environment and Nanotechnology*, Vol.6, No.2, pp.36-39, 2017
- DCCCD,(2016),"CountingBacteria" www:delrio.dcccd.edu/jreynolds/microbiology/2421/lab_manual/n umbers.pdf; 26 December, 2016
- Della, R.M., (1988), Natural Fiber Reinforced Cement and Concrete, Concrete Technology and Design, Ed. Swamy, R.N., MRS Bulletin 15.11, Vol.5, Blackie and Son Limited, 1988
- Dickens, S.N., and Pitts, F.R., (1963), Introduction to Human Geography, New York, 1963

Dikshit, R., (1974), Bhrigu-Sanhita Phalit Darpan (Phalit Prakash), Chawri Bazaar, Delhi, India, 1974

- DMG, (1960), Clay of Rajasthan, The Department of Mines and Geology, Government of Rajasthan, Udaipur, India, 1960
- Dongming, L., Wenge, Z., and Zongneng, Q., (1994), "The J-Integral Fracture Toughness of PP/CaCO₃ Composites", *Journal of Materials Science*, Vol.29, No.14, pp.3754-3758,1994
- Drury, J., (2016), "Horse Dung Has Scientists on Scent of Antibiotic Success, Reuters, Technology", www.reuters.com/article/us-switzerland-horse-dung-mushrooms-idUSKBN0MC12920150316; 10 March 2016
- Du, Y., Jain, N., and Shukla, A., (2006), "Effect of Particle Size on Fracture Behavior of Polyester/Al₂O₃ Composites", In Proceedings of SEM Annual Conference, Society of Experimental Mechanics, Saint Louis, Missouri, USA, 4–7 June, 2006
- Duary, N., (2008), "Traditional Hira Potters of Lower Assam", Indian Journal of Traditional Knowledge, Vol.7, pp.98-102, 2008
- Dubey, S., Soboyejo, A.B.O., and Soboyejo, W.O., (1997), "An Investigation of the Effects of Stress Ratio and Crack Closure on the Micromechanisms of Fatigue Crack Growth in Ti-6Al-4V", Acta Materialia, Vol.45, No.7, pp.2777-2787, 1997
- Duemmel, K., and Plappally, A., (2017), *Optimizing Bio-Energy Crop Farm Profitability with Spatial Distribution* of Bio-Fuel Refinery Sites, Bio-fuels and Bio Energy, Springer Proceeding in Energy, 2017
- Dumont, L., (1952), "A Remarkable Feature of South Indian Pot-Making", Man, Vol.52, pp.80-83, 1952
- Eckert, E.R.G., and Goldstein, R.J., (1976), *Measurements in Heat Transfer*, Second Edition, Hemisphere Publishing Corporation, Washington London, 1976
- Eighmey, J., and McCord, L., (1998), "Adding Value in The Information Age: Uses and Gratifications of Sites on The World Wide Web", *Journal of Business Research*, Nol. 41, No.3, pp.187, 1998
- Ejiga, O., Paul, O., and Cordelia, O.O., (2012), "Sustainability in Traditional African Architecture: A Springboard for Sustainable Urban Cities", *In Sustainable Futures: Architecture and Urbanism in the Global South Kampala*, Uganda, 27–30 June, 2012
- Erez, S., Singh, V.K., Lepri, B., and Pentland, A., (2014), Sensing, Understanding, and Shaping Social Behavior. *IEEE Transactions on Computational Social Systems*, Vol.1, No.1, pp.22–34, 2014
- Essig, A., Hofmann, D., Munch, D., Gayathri, S., Kunzler, M., Kallio, P. T., Sahl, H. G., Wider, G., Schneider, T., and Aebi, M., (2014), "Copsin, A Novel Peptide-Based Fungal Antibiotic Interfering with the Peptidoglycan Synthesis", *Journal of Biological Chemistry*, Vol.289, No.50, pp.34953-34964, 2014
- Fan, M., Dai, D., and Huang, B., (2012), Fourier Transform Infrared Spectroscopy for Natural Fibres, In Fourier Transform-Materials Analysis, Ed: Dr. Salih, InTech, 2012
- Faustino, J., Silva, E., Pinto, J., Soares, E., Cunha, V. M., and Soares, S., (2015), "Light Weight Concrete Masonry Units Based on Processed Granulate of Corn Cob as Aggregate", *Materiales de Construcción*, Vol.65, No.318, pp.055, 2015
- Feng, G., Kang, Y., Chen, F., Liu, Y.W., and Wang, X.C., (2018), "The Influence of Temperatures on Mixed-Mode (I+ II) and Mode-II Fracture Toughness of Sandstone", *Engineering Fracture Mechanics*, Vol.189, pp.51-63, 2018
- Ferrigno, T.H., (1987), Principles of Filler Selection and Use, Van Nostrand Reinhold: New York, USA, pp.8-62, 1987
- Fewtrell, L., Kaufmann, R.B., Kay, D., Enanoria, W., Haller, L., and Colford, J.M., (2005), "Water, Sanitation, and Hygiene Interventions to Reduce Diarrhoea in Less Developed Countries: A Systematic Review and Meta-Analysis", The Lancet Infectious Diseases, Vol.5, No.1, pp.42-52, 2005
- Fimbel, P., and Siffert, B., (1986), "Interaction of Calcium Carbonate (Calcite) with Cellulose Fibres in Aqueous Medium", *Colloids and Surfaces*, Vol.20, No.1-2, pp.1-16, 1986
- Flinn, R.A., and Trojan, P.A., (1975), Engineering Materials and Their Applications, Houghton Mifflin Company, Boston, pp.551, 1975
- Foster, G.M., (1956), "Pottery-Making in Bengal", Southwestern Journal of Anthropology, Vol.12, No.4, pp.395-405, 1965
- Freeman, E.S., (1957), "The Kinetics of the Thermal Decomposition of Potassium Nitrate and of the Reaction between Potassium Nitrite and Oxygen", *Journal of the American Chemical Society*, Vol.79, No.4, pp. 838– 842, 1957
- Gadgil, A., (1998), "Drinking Water in Developing Countries", Annual Review of Energy and the Environment, Vol.23, No.1, pp.253-286, 1998
- German, R.M., (2016), Particulate Composite: Fundamentals and Application, Springer, First Edition, pp.436, 2016
- Ghani, J.A., (1991), *Flow in Human-Computer Interactions: Test of a Model*, In Human Factors in Information Systems: Emerging Theoretical Bases, Carey-Ablex Publishing Corp., pp.291-311,1991

- Girija, D., Deepa, K., Xavier, F., Antony, I., and Shidhi, P.R., (2013), "Analysis of Cow Dung Microbiota A Metagenomic Approach", *Indian Journal of Biotechnology*, Vol.12, pp.372-378, 2013
- Gladkov, S.O., (2013), Dielectric Properties of Porous Media, Springer Science and Business Media, Springer, Verlag, Vol.59, 2003
- Goldstein, J., Newbury, D.E., Joy, D.C., Lyman, C.E., Echlin, P., Lifshin, E., Sawyer, L., and Michael, J.R., (2003), *Scanning Electron Microscopy and X-Ray Microanalysis*, Third Edition, Springer, pp.689, 2003
- Gopal, R., and Bhargava, T.N., (1981), "Appraisal of the Quality of Ground Waters in the Arid Zone of Rajasthan and Kutch", *Defence Science Journal*, Vol.31, No.1, pp.73-86, 1981
- Gorchev, H.G., and Ozolins G. (2011), WHO Guidelines for Drinking-Water Quality." WHO Chronicle, Vol. 38, 2011. doi:10.1016/S1462-0758(00)00006-6
- Gosselain, O.P., (1992), "Bonfire of the Enquiries, Pottery Firing Temperatures in Archaeology: What for?" Journal of Archaeological Science, Vol.19, No.3, pp.243-259, 1992
- Greer, M. and Short, D., (1995), Aspect of the Composite Behaviour of Cob, In A Seminar Paper on Out of Earth II, University of Plymouth, 1995
- Groenfeldt, D., (2003), "The Future of Indigenous Values: Cultural Relativism in the Face of Economic Development", *Futures*, Vol.35, No.9, pp.917-929, 2003
- GSI, (2011), *Geology and Mineral Resources of Rajasthan*, Third Revised Edition, Miscellaneous Publication, pp.1–2, New Delhi, India, 2011
- Gunasekaran, S., and Anbalagan, G., (2007), Thermal Decomposition of Natural Dolomite, Bull. Mater. Sci., Vol.30, No.4, pp.339–344, 2007
- Guo, M., (2017), "Variability in Pottery Firing Technology: Choice or Technical Development?", *Chinese Archaeology*, Vol.17, No.1, pp.179-186, 2017
- Gupta, A., (2014), "Human Hair "Waste" and its Utilization: Gaps and Possibilities", Journal of Waste Management, Article ID 498018, 2014
- Gupta, S., Kaurwar, A., Satankar, R.K., Usha, K., Sharif, M.A.R., and Plappally, A.K., (2016), "Flow, Microbial Filtration and Petrophysical Properties of Ceramic Plate Ware Gravity Water Filter During Cyclic Water Loading Events", In the Proceedings of (From Pollution to Purification) International Conference on Water (ICW), Mahatma Gandhi University, Kottayam, Kerala, India, 12-15 December, 2016
- Gupta, S., Satankar, R., Kaurwar, A., Aravind, U., Sharif, M., and Plappally, A., (2018), "Household Production of Ceramic Water Filters in Western Rajasthan, India", *International Journal for Service Learning in Engineering, Humanitarian Engineering and Social Entrepreneurship*, Vol.13, No.1, pp.53-66, 2018
- Gusain, L., (2002), "Endangered Language: A Case Study of Sansiboli", *Language in India*, Vol.2, 2002
- Haan, C T., (1977), Statistical Methods in Hydrology, Iowa State University Press, Ames, Iowa, pp.378, 1997
- Haas Business School, (2009), Haas Newsroom: Winning Social Ventures Build Bricks from Cow Dung and Battle Autism with Video games, Haas School of Business, University of California, Berkeley, 2009
- Habicht-Mauche, J.A., Eckert, S.L., and Huntley, D.L., (2006), *The Social Life of Pots: Glaze Wares and Cultural Dynamics in the Southwest*, AD 1250-1680, University of Arizona Press, Tucson, 2006
- Hagan, J., Harley, N., Pointing, D., Sampson, M., (2009), Resource Development International-Cambodia Ceramic Water Filter Handbook, EWB Australia, Phnom Penh, Cambodia, 2009
- Haldar, A. and Mahadevan, S., (2000), *Probability, Reliability and Statistical Methods in Engineering Design,* John Wiley and Sons, NY, USA, 2000
- Handler, J., (1963), "Pottery Making in Rural Barbados", Southwestern Journal of Anthropology, Vol.19, No.3, pp.314-334, 1963
- Haspel, B., Hoffmann, C., Elsner, P., and Weidenmann, K.A., (2015), "Characterization of The Interfacial Shear Strength of Glass-Fiber Reinforced Polymers Made from Novel RTM Processes", International Journal of Plastics Technology, Vol.19, No.2, pp.333-346, 2015
- Hauge, S., Østerberg, R., Bjorvatn, K., and Selvig, K.A., (1994), "Defluoridation of Drinking Water with Pottery: Effect of Firing Temperature", *European Journal of Oral Sciences*, Vol.102, No.6, pp.329-333, 1994
- Heathcote, K. A., (1995), "Durability of Earth Wall Building", Construction and Building Materials, Vol.9, No.3, pp.185-189, 1995
- Henrich, J., (2014), Rice, Psychology and Innovation, 344:593, Science, 2014
- Henrich, J., (2015) Culture and Social Behavior, Current Opinion in Behavioral Sciences, Vol.3, pp.84-89, 2015
- Henry, M., Maley, S., and Mehta, K. (2013), "Designing a Low-Cost Ceramic Water Filter Press" International Journal for Service Learning in Engineering, Humanitarian Engineering and Social Entrepreneurship, Vol.8, No.1, pp.62-77, 2013
- Hill, Carol A., (1981), "Origin of Cave Saltpeter." The Journal of Geology, Vol.89, No.2, pp.252-259, 1981

Home, R.M., (1952), 'Ceramics for the Potter', Chas. A. Bennett Company, 1952

- Hosetti, B.B., (2006), Prospects and Perspectives of Solid Waste Management, New Age International, Chennai, 2006
- Hosotani, K., (2009), The QC Problem Solving Approach, Productivity Press, Chennai, India, 2009
- Houben, H., and Guillaud, H., (1994), *Earth Construction: A Comprehensive Guide*, Intermediate Technology, London, 1994
- Hunter, P.R., (2009), "Household Water Treatment in Developing Countries: Comparing Different Intervention Types Using Meta-Regression", Environmental Science and Technology, Vol.43, No.23, pp.8991-8997,2009
- Hussain, J., Husain, I., and Arif, M., (2014), "Water Resources Management: Traditional Technology and Communities as Part of the Solution, Evolving Water Resources Systems: Understanding, Predicting and Managing Water-Society Interactions", *Proceedings of ICWRS*, Bologna, Italy, June, 2014
- IBM (2014), *Fireclay*, Indian Minerals Yearbook, 2014 (Part- III: Mineral Reviews), 53th Edition, Indian Bureau of Mines Government of India, Nagpur, India, 201
- IBM (2015), *Kaolin, Ball Clay, Other Clays and Shale*, Indian Minerals Yearbook, 2015 (Part- III: Mineral Reviews), 54th Edition, Indian Bureau of Mines Government of India, Nagpur, India, 2014
- Ilse Köhler-Rollefson, (2004), Why does the camel need to be "saved"? in Saving the Camel and Peoples' Livelihoods: Building a Multi-Stakeholder Platform for the Conservation of the Camel in Rajasthan, In *Proceedings of an International Conference* Lokhit Pashu-Palak Sansthan, Sadri, Rajasthan, India, 23–25 November, 2004
- Iqbal, M., (2017), "Taking on A "Drinking" Problem Head-On in Rajasthan", www.thehindu.com/todayspaper/tp-national/tp-otherstates/taking-on-a-drinking\problem-head-on-in-rajasthan/article18522033.ece; 25 May 2017
- IS 516-1959, (2004), Methods of Tests for Strength of Concrete, Bureau of Indian Standard, New Delhi, India, 2004
- Iyer, N.C., (1884), The Brihat Samhita of Varahamihira, South Indian Press, Madurai, India, 1884
- Jain A.K., (2014), Groundwater Year Book 2012-13, Rajasthan State, Ministry of Water Resources, Government of India, 2014
- Johnson, S., and Teshamulwa O., (2007), Project Report for Pure Home Water, MIT Sloan School, Ghana Independent Study, Massachusetts, USA, 2007
- Jones, M.L., Kalmanovitch, D.P., Steadman, E.N., Zygarlicke, C.J., and Benson, S.A., (1992), Application of SEM Techniques to the Characterization of Coal and Coal Ash Products, In Advances in Coal Spectroscopy Springer, USA, pp.1-27, 1992
- Jones, T.P., (1826), *The Franklin Journal and the American Mechanics Magazine*, Franklin Institute of the State of Pennsylvania, Vol.1, Judah Dobson, Pennsylvania, 1826
- Joshi, R., and Ahmed, S., (2016), "Status and Challenges of Municipal Solid Waste Management in India: A Review", *Cogent Environmental Science*, Vol.2, No.1, pp.1139434, 2016
- Joudon, V., Portemont, G., Lauro, F., and Bennani.B., (2014), "Experimental Procedure to Characterize the Mode I Dynamic Fracture Toughness of Advanced Epoxy Resins" *Engineering Fracture Mechanics*, Vol. 126, pp.166 - 177, 2014
- Kala, C.P., Dhyani, P. P., and Sajwan, B. S., (2006), "Developing the Medicinal Plants Sector in Northern India: Challenges and Opportunities" *Journal of Ethnobiology and Ethnomedicine*, Vol.2, No.1, pp.32, 2006
- Kalia, S., Dufresne, A., Cherian, B. M., Kaith, B. S., Avérous, L., Njuguna, J. and Nassiopoulos, E., (2011), "Cellulose-Based Bio-and Nanocomposites: A Review", International Journal of Polymer Science, 2011
- Kalkoti, G., (2013), "Nature Endowment to Mankind, Kurukshetra", Journal Rural Develop, Vol.61, No.8, pp.23-27, 2013
- Kaminskii, V.M., Nikolenko, A.N., and Sidorenko, I.Y., (1982), "A Two-Dimensional Stochastic Model of the Densification of Powdered Materials", *Powder Metallurgy and Metal Ceramics*, Vol.21, No.2, pp.104-106, 1982
- Kanda, A., (2010), Project Management: A Life Cycle Approach, PHI Publications, pp.248, 2010
- Karaman, S., Ersahin, S., and Gunal, H., (2006)," Firing Temperature and Firing Time Influence on Mechanical and Physical Properties of Clay Bricks", *Journal of Scientific and Industrial Research (India)*, Vol.65, pp.153-159, 2006
- Kaurwar, A., Satankar, R., Gupta, S., Aravind, U.K., Kothari, K., Soboyejo, A., and Plappally, A.K., (2017)," Functional Demarcation of Traditional Off-White Colored Water Pots Manufactured from Rajasthan Clayey Soils and Red Colored Water Pots from Gujarat Clayey Soils Using Spectrographic, Cooling and Strength Studies--A Case Study from Jodhpur, Rajasthan, India" MRS Advances, Vol.2, No.37-38, pp.2027-2032, 2017

- Kaurwar, A., Satankar, R.K., Dave, L., Gupta, S., Oomen, J., Sharey, M., Bodhankar, S., and Plappally, A. K., (2018), "Use of Clayey Salty Soils and its Composite Derivatives for Construction and Ceramics for Household Use in the Thar Desert in India", *In Encyclopedia of Renewable and Sustainable Materials*, Ed: Maleque *et al.*, Elsevier, 2018
- Keefe, L., (2005), Earth Building, Routledge, London, 2005
- Khwaja, A.I., (2004), "Is Increasing Community Participation Always a Good Thing?", Journal of the European Economic Association, Vol.2, No.2-3, pp.427-436, 2004
- Kidman, H., (2017), "Sustainable Materials-Building with Earth and Stone", *www.omrania.com/inspiration/sustainable-materials-building-earth-stone/*; 1 December, 2017
- Kosmatka, S.H., Panarese, W.C., Allen, G.E., and Cumming, S., (2002), Design and Control of Concrete Mixtures, PCA, Skokie, 2002
- Kota S., (2013), "Handle Waste with Seriousness", www.dailypioneer.com/columnists/ope/handle-waste-withseriousness.html; 14 February, 2016
- Kou, S.C., and Kou, S.G., (2003), "Modeling Growth Stocks via Birth-Death Processes", Advances in Applied Probability, Vol.35, No.3, pp.641-664, 2003
- Koufaris, M., (2002), "Applying the Technology Acceptance Model and Flow Theory to Online Consumer Behavior", *Information Systems Research*, Vol.13, No.2, pp.205-223, 2002
- Kramer, C., (1997), Pottery in Rajasthan: Ethno Archaeology in Two Indian Cities, Washington and London: Smithsonian Institution Press, 1997
- Krishan, K., (2018), "Indus Ceramic Industries: Complexities, Challenges and Prospects", Indian Journal of History of Science, Vol.53, No.3, pp.263-270, 2018
- Krueger, D., (2017), "Why on Earth Do They Call It Throwing?" www.ceramicstoday.com/articles/why_throwing.htm; 10 January, 2018
- K-tron,(2016), "Calcium Carbonate in Plastics Compounding, Coperion K-Tron Woodbury-Glassboro,Road Sewell, NJ, www.ktron.com/industries_served/Plastics/Calcium_Carbonate_in_Plastics_Compounding.cfm; 12 January 2016
- Lantagne, D., and Clasen, T., (2012), "Point-of-Use Water Treatment in Emergency Response", Waterlines, Vol.31, No.1-2, pp.30-52, 2012
- Lantagne, D.S., (2001), Investigation of The Potters for Peace Colloidal Silver Impregnated Ceramic Filter, Report Submitted to Jubilee House Community, USAID, 2001
- Lareau, W., (2003), Office Kaizen: Transforming Office Operations into a Strategic Competitive Advantage, ASQ Quality Press, Milwaukee, WI, 2003
- Lauke, B., (2009), "Effect of Particle Size on Fracture Toughness of Polymer Composites", *Conference Proceedings of ICF12*, Ottawa, Canada, 2009
- Lemonnier, P., (2013), Technological Choices: Transformation in Material Cultures Since the Neolithic, Routledge, New York, USA, 2013
- Leonard Rogers, (1902), Report on An Experimental Enquiry on The Disinfection of Floors for Plague, The Indian Medical Gazette, May, pp.166-170, 1902
- Liu, C., Shi, B., Zhou, J., and Tang, C., (2011), "Quantification and Characterization of Micro-Porosity by Image Processing, Geometric Measurement and Statistical Methods: Application on SEM Images of Clay Materials", Applied Clay Science, Vol.54, No.1, pp.97-106, 2011
- Livestock Census, (2012), The 19th Livestock Census, Ministry of Agriculture Department of Animal Husbandry and Dairying, Krishi Bhavan, New Delhi, India, 2003
- Loureiro, S.M.C., and González, F.J.M., (2008), "The Importance of Quality, Satisfaction, Trust, and Image in Relation to Rural Tourist Loyalty", *Journal of Travel and Tourism Marketing*, Vol.25, No.2, pp.117-136, 2008
- Lumb, P., (1966), "The Variability of Natural Soils", Canadian Geotechnical Journal", Vol.3, No.2, pp.74-97, 1996
- Luong, D.D., Gupta, N., Daoud, A., and Rohatgi, P.K., (2011), "High Strain Rate Compressive Characterization of Aluminum Alloy/Fly Ash Cenosphere Composites", *The Journal of The Minerals*, Metals and Materials Society (TMS), Vol.63, No.2, pp. 53-56, 2011
- Mahendra D., (2014), "When in Rajasthan during Summers Use SAR Village Earthen Pots", www.news18.com/news/rajasthan/when-in-rajasthan-during-summers-use-Sarvillageearthen-pots-484265.html;22 June, 2014
- Mai, C., and Marisa, (2016), "Animal Dung Paper", www.chiangmaiwithmarisa.com/portfolio/animal-dungpaper/; 13 March 2016

- Maia, L.C., Alves, A.C., Leao, C.P., (2012), Do Lean Methodologies Include Ergonomic Tools? International Symposium on Occupational Safety and Hygiene (SHO2012), Portuguese Society of Occupational Safety and Hygiene (SPOSHO), pp. 350-356, 2012
- Maini, S., (2010), Earthen Architecture for Sustainable Habitats and Compressed Stabilized Earth Block Technology, AR Riyadh Development Authority Research, *International conference Architerre at Algier*, www.Ada.gov.sa/idc/groups/public/documents/ar_ada_researches/004568.pdf: 13 February 2016
- Maire, E., Buffiere, J.Y., Salvo, L., Blandin, J.J., Ludwig, W., and Letang, J.M., (2001), "On the Application of X-ray Microtomography in the Field of Materials Science", Advanced Engineering Materials, Vol.3, No.8, pp.539-546, 2001
- Malapane, T.A., Hackett, C., Netshandama, V., and Smith, J., (2012), "Ceramic Water Filter for Point-of-Use Water Treatment in Limpopo Province, South Africa", In Systems and Information Design Symposium (SIEDS), IEEE, pp.107-111, 2012
- Marikani, A., Maheswaran, A., Premanathan, M., and Amalraj, L., (2008), "Synthesis and Characterization of Calcium Phosphate-Based Bioactive Quaternary P₂O₅-CaO-Na₂O-K₂O glasses", Journal of Non-Crystalline Solids, Vol.354, No.33, pp.3929-3934, 2008
- Markovich, I., Van Mier, J.G.M., and Walraven, J.C., (2001)," Single Fiber Pullout from Hybrid Fiber Reinforced Concrete, *Heron*, Vol.46, No.3, pp.191-200, 2001
- Mathur, V.K., (2006), "Composite Materials from Local Resources", Construction and Building Materials, Vol.20, No.7, pp.470-477, 2006
- Mesbah, A., Morel, J. C., and Olivier, M., (1999), "Comportement Des Dols Fins Argileux Pendant un Essai de Compactage Statique: Détermination des Paramètres Pertinents", *Materials and structures*, Vol.32, No.9, pp.687
- MGIRI, (2008), An Improved Pottery Kiln, Rural Energy and Infrastructure Section, Mahatma Gandhi Institute of Rural Industrialization, Wardha, India, 2008
- Milani, B., (2005), Building Materials in a Green Economy: Community-Based Strategies for Dematerialization, PhD Thesis, University of Toronto, 2005
- Miller, T.R., and Watters T.R., (2010), "Pure Home Water Ceramic Filter Manufacturing Manual", www.web.mit.edu/watsan/Docs/Student Reports/Ghana/Final Report PHW Factory Manual RMiller and TWatters 5-24-10.pdf; 10 June, 2010
- Minke, G., (2012), Building with Earth, Design and Technology of a Sustainable Architecture, Berlin, Basel: Birkhäuser, 2012
- Mira, K.M., (1954), "The Improved Village Pottery in the Rural Reconstruction of India", *Transactions of the Indian Ceramic Society*, Vol.13, No.3, pp.160-163, 1954
- Mitchell, J.K., and Collin, J.G., (1984), *Earth Walls, in Cutting Edge Technologies*, The National Academies Press Washington D.C., 161-181, 1984
- Mittal, A., Kataria, T., Das, G. K., and Chatterjee, S. G., (2006), "Evaporative Cooling of Water in a Small Vessel Under Varying Ambient Humidity", *International Journal of Green Energy*, Vol.3, No.4, pp.347-368, 2006
- Montgomery, D.C., and Runger, G.C., (2010), *Applied Statistics and Probability for Engineers*, John Wiley and Sons, USA, 2010
- Moore, D.S. McCabe, G.P., and Craig, B.A., (2011), *Introduction to the Practice of Statistics*, Sixth Edition, W. H. Freeman and Company, 2011
- More, E., Probert, D., and Phaal, R., (2015), Improving Long-Term Strategic Planning: An Analysis of STEEPLE Factors Identified in Environmental Scanning Brainstorms. In Management of Engineering and Technology (PICMET), Portland International Conference, IEEE, pp. 381-394,2015
- Morel, J.C., Mesbah, A., Oggero, M., and Walker, P., (2001)," Building Houses with Local Materials: Means to Drastically Reduce the Environmental Impact of Construction", *Building and Environment*, Vol.36, No.10, pp.1119-1126,2001
- Mouazen, A.M., Ramon, H., and De Baerdemaeker, J., (2002), "Effects of Bulk Density and Moisture Content on Selected Mechanical Properties of Sandy Loam Soil", *Biosystems Engineering*, Vol.83, No.2, pp.217-224, 2002
- Mustapha, K., Azeko, S.T., Annan, E., Zebaze Kana, M.G., Daniel, L., and Soboyejo, W.O., (2016), "Pull-Out Behavior of Natural Fiber from Earth-Based Matrix", *Journal of Composite Materials*, Vol.50, No,25, pp.3539-3550, 2016
- Nahar, N.M., Sharma, P., and Purohit, M.M., (2003), "Performance of Different Passive Techniques for Cooling of Buildings in Arid Regions", *Building and Environment*, Vol.38, No.1, pp.109–116, 2003

- Nambuthiri, S., Fulcher, A., Koeser, A.K., Geneve, R., and Niu, G., (2015), "Moving Toward Sustainability with Alternative Containers for Greenhouse and Nursery Crop Production: A Review and Research Update", *HortTechnology*, Vol.25, No.1, pp.8-16, 2015
- Nelson, S.A., (2015), "Phyllosilicates (Sheet Silicates) in Phyllosilicates (Micas, Chlorite, Talc, and Serpentine)", www.tulane.edu/~sanelson/eens211/phyllosilicates.htm; 10 December, 2015
- Nevasmaa, P., Laukkanen, A., Planman, T., Wallin, K., (2005), "A Novel Method for Fracture Toughness Assessment of Inhomogeneous Ferritic Steel Weldments Using Bimodal Master Curve Analysis", In Proceedings of 11th International Conference on Fracture (ICF), Turin, Italy, 20-25 March, 2005
- Nicholas, J.M., and Steyn, H., (2011), Project Management for Engineering Business and Technology, 4th Ed., Butterworth-Heinemann, pp.748, 2011
- Nigay, P.M., Nzihou, A., White, C.E., and Soboyejo, W.O., (2017), "Structure and Properties of Clay Ceramics for Thermal Energy Storage", *Journal of the American Ceramic Society*, pp.100:4748-4759,2007
- Nighojkar A, Satankar R.K., Agrawal A.K., Singh B., Gupta, S., Oommen J.M., Dave L., Sharif, M. A.R., Soboyejo A.B.O., and Plappally A. (2018), "Establishing Correlations Between Pore Structure, Surface Roughness, Compressive Strength, and Fracture Toughness of Ceramic Water Filters Local to Rajasthan, India", *Desalination and Water Treatment*, 2019
- Nighojkar A., Vijay A., Kumavat A., Gupta S., Satankar R.K., and Plappally A., (2018), "Use of Marble and Iron Waste Additives for Enhancing Structure and Water Filtering Capacity of Salty Clay Ceramics", Desalination and Water Treatment, 2019
- Niranjan, S., Saritha, N., and Roy, T.K., (2005), "A Socio-Demographic Analysis of the Size and Structure of the Family in India", *Journal of Comparative Family Studies*, Vol.36, No.4, pp.623-651, 2005
- Niroumand, H., Zain, M.F.M., and Alhosseni, S.N., (2013), Earth Building Materials, Production, and Construction Techniques, IGI Global, USA, pp.119-146, 2013
- Njeru, G., (2016), "Don't Pooh-Pooh it: Making Paper from Elephant Dung", www.bbc.com/news/business-36162953;10 June, 2016
- NRCE, (2015), Vision 2050, National Research Centre on Equines and Veterinary Type Culture Collection, Hissar, Haryana, India, 2015
- Nye, J., (2017), Soft Power: The Origins and Political Progress of a Concept, Palgrave Communications, 3:17008, doi: 10.1057/palcomms.2017.8, 2017
- Olayemi, A.B., Awe, S., Eniola, K.I.T., Osanoto, I.B., Adegoke, A., and Abolade, G.O., (2005), "Effect of Storage on Bacteriological Quality of Borehole Water", African Journal of Clinical and Experimental Microbiology, Vol.6, No.3, pp.213-218, 2005
- Oldham, R.D., (2011), A Manual of the Geology of India, Ed: Medlicott, H. M., Blanford, W. T., Digital Edition, Cambridge University Press, 2011
- Olorunmaiye, J.A., (1996), "Evaporative Cooling of Water in Earthen Pots in Quiescent Air", NSE Technical Transaction, Vol.31, No.3, pp.80-91, 1996
- Oyanedel-Craver, V.A. and Smith, J.A., (2007), "Sustainable Colloidal-Silver-Impregnated Ceramic Filter for Point-of-Use Water Treatment", *Environmental Science and Technology*, Vol.42, No.3, pp.927-933, 2007
- Palanivel, R., and Kumar, U.R., (2011). "Thermal and Spectroscopic Analysis of Ancient Potteries", *Romanian Journal of Physics*, Vol.56, No.1-2, pp.195-208, 2011
- Papachristodoulou, C., Oikonomou, A., Ioannides, K., and Gravani, K., (2006), "A Study of Ancient Pottery by Means of X-Ray Fluorescence Spectroscopy, Multivariate Statistics and Mineralogical Analysis" *Analytica Chimica Acta*, Vol.573, pp.347-353, 2006
- Pappu, A., Saxena, M., and Asolekar, S.R., (2007), "Solid Wastes Generation in India and their Recycling Potential in Building Materials", *Building and Environment*, Vol.42, No.6, pp.2311-2320, 2007
- Paramasivam, R., and Mhaisalkar, V.A., (1990), Health Aspects of Traditional Water Harvesting Systems of Rajasthan, IRC Wash, Document No.822-90-7955, INRA, 1990
- Perryman, J., (2008), Smoke Firing: Contemporary Artists and Approaches, London: A and C Black, Philadelphia: University of Pennsylvania Press, 2008
- Pfaffenberger, B., (1992), "Social Anthropology of Technology", Annual Review of Anthropology, Vol.21, No.1, pp.491-516, 1992
- Pinto, J., Paiva, A., Varum, H., Costa, A., Cruz, D., Pereira, S., Fernandes, L., Tavares, P., and Agarwal, J., (2011), "Corn's Cob as a Potential Ecological Thermal Insulation Material", *Energy and Buildings*, Vol.43, No.8, pp.1985-1990, 2011
- Plappally, A., Chen, H., Ayinde, W., Alayande, S., Usoro, A., Friedman, K.C., Dare, E., Ogunyale, T., Yakub, I., Leftwich, M., and Malatesta, K., (2011), "A Field Study on the Use of Clay Ceramic Water Filters and Influences on The General Health in Nigeria", *Journal of Health Behavior and Public Health*, Vol.1, No.1, pp.1-14, 2011

- Plappally, A., Soboyejo, A., Fausey, N., Soboyejo, W., and Brown, L., (2010), "Stochastic Modeling of Filtrate Alkalinity in Water Filtration Devices: Transport through Micro/Nano-Porous Clay Based Ceramic Materials", *Journal of Natural and Environmental Sciences*, Vol.1, No.2, pp.96-105, 2010
- Plappally, A.K., and Lienhard, J.H., (2013), "Costs for Water Supply, Treatment, End-Use and Reclamation", *Desalination and Water Treatment*, Vol.51, No.1-3, pp.200-232, 2013
- Plappally, A.K., (2010), Theoretical and Empirical Modeling of Flow, Strength, Leaching and Micro-Structural Characteristics of V-Shaped Porous Ceramic Water Filters, PhD Thesis, The Ohio State University, Columbus, USA, 2010
- Plappally, A.K., (2012), "Energy Requirements for Water Production, Treatment, End Use, Reclamation, and Disposal", *Renewable and Sustainable Energy Reviews*, Vol.16, No.7, pp.4818-4848, 2012
- Plappally, A.K., Hasija, A., Kusins, J., Jhaver, M., and Chee, A., (2013), "Water Use and Related Costs at Households in Western and Northern Parts of India", *Hydrology: Current Research*, Vol.4, No.158, pp.2, 2013
- Plappally, A.K., Yakub, I., Brown, L.C., Soboyejo, W.O., and Soboyejo, A.B.O., (2011), "Physical Properties of Porous Clay Ceramic-Ware", *Journal of Engineering Materials and Technology*, Vol.133, No.3, pp.031004, 2011
- Plappally, A.K., Yakub, I., Brown, L.C., Soboyejo, W.O., and Soboyejo, A.B.O., (2009), "Theoretical and Experimental Investigation of Water Flow Through Porous Ceramic Clay Composite Water Filter", *Fluid Dynamics and Material Processing*, Vol.5, No.4, pp.373-398, 2009
- Postek, M.T., Vladár, A.E., Villarrubia, J.S., and Muto, A., (2016), "Comparison of Electron Imaging Modes for Dimensional Measurements in the Scanning Electron Microscope", *Microscopy and Microanalysis*", Vol.22, No.4, pp.768-777, 2016
- Prigent-Simonin A-H., and Hérault-Fournier C. (2005), "The Role of Trust in the Perception of the Quality of Local Food Products: with Particular Reference to Direct Relationships between Producer and Consumer", Local Foods: Produits Alimentaires Locaux, Ed. Virginie Amilien and Gunnar Vittersø, Anthropology of Food, 4 May 2005
- Pukanszky, B. É. L. A., and VÖRÖS, G., (1993), "Mechanism of Interfacial Interactions in Particulate Filled Composites", *Composite Interfaces*, Vol.1, No.5, pp.411-427, 1999
- Pukanszky, B., (1995), Particulate Filled Polypropylene: Structure and Properties, *In Polypropylene Structure*, *Blends and Composites*, Springer, Dordrecht, 1995
- Pukanszky, B., Voros, G., (1993), "Mechanism of Interfacial Interactions in Particulate Filled Composites", Composite Interfaces, Vol.1, No.5, pp.411-427, 1993
- Qiao, Y., (2003), "Fracture Toughness of Composite Materials Reinforced by Debondable Particulates", *Scripta Materialia*, Elsevier, Vol.49, No.6, pp.491-496, 2003
- Ramakrishnan, P.S., (2001), Ecology and Sustainable Development: Working with Knowledge Systems, National Book Trust, India, 2001
- Ramamurthy, N., (2014), Number System in Sanskrit, CBH Publications, Nagercoil, India, 2014
- Ramkumar, C.B., (2017), Green Dreams, KK Booksellers, Chennai, India, 2017
- Ramkumar, R., and Ragupathy, A., (2016), "Performance Evaluation of Indirect Evaporative Cooler Using Clay Pot", In AIP Conference Proceedings of International Conference on Condensed Matter and Applied Physics (ICC 2015), Vol.1728, No.1, p. 020081, 2016, Bikaner, Rajasthan, India, 30-31 October, 2016
- Ravi, M.R., Dhar P.L., and Kohli, S., (2007), "Energy Audit and Improvement of an Up-Draught Pottery Kiln", SESI Journal, Vol.17, No.1-2, pp.70-86, 2007
- Ravisankar, R., Annamalai, G.R., Naseerutheen, A., Chandrasekaran, A., Prasad, M.V.R., Satpathy, K.K., and Maheswaran, C., (2013), "Analytical Characterization of Recently Excavated Megalithic Sarcophagi Potsherds in Veeranam Village, Tiruvannamalai District, Tamilnadu, India", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Vol.115, pp.845-853, 2013
- Rayner, J., Skinner, B., and Lantagne, D., (2013), "Current Practices in Manufacturing Locally-Made Ceramic Pot Filters for Water Treatment in Developing Countries", Journal of Water Sanitation and Hygiene for Development, Vol.3, No.2, pp.252-261, 2013
- Ren, K.B., and Kagi, D.A., (1995), "Upgrading the Durability of Mud Bricks by Impregnation", *Building and Environment*, Vol.30, No.3, pp.433-440, 1995
- Rice, R.W., (1971), The Compressive Strength of Ceramics, Ceramics in Severe Environments, Ed. Kriegel W.W., Palmour H., Materials Science Research, Vol.5, pp.195-196, Springer, Boston, MA, 1971
- Rinzin, Y.C., Nizam, I., Singh, S., (2011), "Building Resilience in the Thar Desert", www.cseindia.org/bootcamp/wate_thar.htm; 11 June 2017
- RMC, (1990), Handbook on Ground Water Development, Roscoe Moss Company, John Wiley and Sons, 1990

- Rob, D., Wilson, B., Perreault, S., Jones, L. A., (2013), "CeraMIT Report of Activity Nepal: January 2003", www.web.mit.edu/watsan/Docs/Student%20Reports/Nepal/Nepal/CeraMITReport2003.pdf; 10 March, 2018
- Roberts, M., (2003), Ceramic Water Purifier Cambodia Field Tests, Working Paper, (1), Phnom Penh: International Development Enterprises, 2003
- Roux, V., (2015), *The White Matka-Ethnography of a Water Jar*, First Edition, Rupayan Sansthan Publishers, Jodhpur, Rajasthan, India, 2015
- Salifu, T.A., (2015), Biodegradation and Recycling of Polyethylene into Composite Building Materials, PhD Thesis, African University of Science and Technology Abuja F.C.T, Nigeria, 2015
- Salvinelli, C., and Elmore, A.C., (2015), "Assessment of the Impact of Water Parameters on the Flow Rate of Ceramic Pot Filters in a Long-Term Experiment", Water Science and Technology: Water Supply, Vol.15, No.6, pp.1425-1432, 2015
- Salvinelli, C., (2016), Lifetime and Effectiveness Evaluation of Ceramic Pot Filters, Missouri University of Science and Technology, ProQuest Dissertations Publishing, 2016
- Saraswati B., (1978), Pottery-Making Cultures and Indian Civilization, Abhinav Publications, New Delhi, 1978
- Satankar, R., Kaurwar, A., Gupta, S., Usha, K., Azeko, S.T., Soboyejo, W.O., and Soboyejo A.B.O., (2018), "Role of Equine Ordure in Enhancing Physical and Mechanical Properties of Natural Bio-Active Composites" In Advanced Polymeric Materials for Sustainability and Innovations, Ed.: D. Rouxel, et al., 2018, Apple Academic Press, NY, 2018
- Satankar, R.K., Kaurwar, A., Gupta, S., and Plappally, A., (2017), "Horse Dung and Soil-Based Composites for Construction of Aesthetic Shelves in Rural Homes of Western Rajasthan", *Journal of Environment and Nanotechnology*, Vol.6, No.2, pp.43-47, 2017
- Satankar, R.K., Kaurwar, A., Gupta, S., and Plappally, A.K., (2018), Point of Use Drinking Water Treatment Device for Households of Rural India by Traditional Potters, Workshop on the Interface of Science and Society, CSIR-NPL, New Delhi, India, 2018
- Savastano Jr., H., Warden, P.G., and Coutts, R.S.P., (2000), Blast Furnace Slag Cement Reinforced with Cellulose Fibers, In Proc. 8th National Meeting on Technology of the Built Environment: Modernity and Sustainability, Salvador, Brazil Vol. 2, pp.948-55, 2000
- Saxton, B., and Coventry, K., (1995), The Engineering Performance of Cob, In Out of Earth II, National Conference on Earth Buildings, Ed.: Watson L., and Harries R., Plymouth University, Plymouth, pp. 65-77, 1995
- Schweitzer, R.W., Cunningham, J.A., and Mihelcic, J.R., (2012), "Hydraulic Modeling of Clay Ceramic Water Filters for Point-of-Use Water Treatment", *Environmental Science and Technology*, Vol.47, No.1, pp.429-435, 2012
- Shaffer, G.D., (1993), "An Archaeomagnetic Study of a Wattle and Daub Building Collapse", Journal of Field Archaeology, Vol.20, No.1, pp.59, 1993
- Sheik, Z., (2016), "Shaktiman is a Rare Horse, and There is More Than One Reason", www.indianexpress.com/article/explained/shaktiman-is-a-rare-horse-and-there-is-more-than-one-reason-for-it/; 20 December 2016
- Shipps, B., and Phillips, B., (2013), "Social Networks, Interactivity and Satisfaction: Assessing Socio-Technical Behavioural Factors as An Extension to Technology Acceptance", Journal of Theoretical and Applied Electronic Commerce Research, Vol.8, No.1, pp.35-52, 2013
- Shipps, B., and Phillips, B., (2013), Social Networks, Interactivity and Satisfaction: Assessing Socio-Technical Behavioral Factors as an Extension to Technology Acceptance, *Journal of Theoretical and Applied Electronic Commerce Research*, Vol.8, No.1, 35-52, 2013
- Shotyk, W., Krachler, M., and Chen, B., (2006), "Contamination of Canadian and European Bottled Waters with Antimony from PET Containers", *Journal of Environmental Monitoring*, Vol.8, No.2, pp.288-292, 2006
- Shrimali, J.P., Jain, B.L., and Sharma, S.K., (2012), "Low Cost Roof System for Rural Housing", Journal on Today's Ideas Tomorrow's Technologies, Vol.2, No.1, pp.1–12, 2012
- Sikdar, M., and Chaudhuri, P., (2015), "Pottery Making Tradition among the Prajapati Community of Gujarat, India", *Eurasian Journal of Anthropology*, Vol.6, No.1, pp.1-14, 2015
- Simonis, J.J., and Basson, A.K., (2011), "Evaluation of A Low-Cost Ceramic Micro-Porous Filter for Elimination of Common Disease Microorganisms", *Physics and Chemistry of the Earth*, Parts A/B/C, Vol.36, No.14, pp.1129-1134, 2011
- Singh, R.K., Pretty, J., and Pilgrim, S., (2010), "Traditional Knowledge and Biocultural Diversity: Learning from Tribal Communities for Sustainable Development in Northeast India", Journal of Environmental Planning and Management, Vol.53, No.4, pp.511-533, 2010

- Sinopoli, C.M., (1991), "Seeking the Past through the Present: Recent Ethno-Archaeological Research in South Asia", *Asian Perspectives*, Vol.30, No.2, pp.177-192, 1991
- Sinter, V., (2009), Oxford English Dictionary, Second Edition, CD-ROM, Oxford University Press, 2009
- SKAT, (2008), "Appropriate Building Materials: A Catalogue of Potential Solutions, Swiss Centre for Development Cooperation in Technology and Management", www.collections.infocollections.org; 13 February 2016

Smith, J.L., (2008), A Critical Appreciation of the "Bottom-Up" Approach to Sustainable Water Management: Embracing Complexity Rather Than Desirability, Local Environment, 13:4, 353-366, 2008

- Soboyejo A.B.O., Ozkan H.E., Papritan J.C., and Soboyejo, W.O., (2001), "A New Multiparameter Approach to the Prediction of Wear Rates in Agricultural Sprayer Nozzles", *Journal of Testing and Evaluation*, Vol. 29, No.4, pp.372-379, 2001
- Soboyejo, A.B.O., (1965), *Plastic Flow in Reinforced Concrete*, Technical Publication No.52, Stanford, CA, Department of Civil Engineering, Stanford University, 1965
- Soboyejo, A.B.O., (1968), Propagation of Errors and Tolerance Analysis in Engineering Design and Stress Analysis Problems, *Conference on Recent Advances in Stress Analysis: New Concepts and Techniques and their Practical application*, The Joint British Committee for Stress Analysis, 26-29 March, 1968
- Soboyejo, A.B.O., (1973), "Stochastic Analysis for Time-Dependent Load Transfer in Reinforced Concrete Columns", *Materials and Structures*, Vol.6, No.4, pp.269-276, 1973
- Soboyejo, W., (2003), Mechanical Properties of Engineered Materials, Marcel Dekker, New York, pp.583, 2003
- Sobsey, M.D., Stauber, C.E., Casanova, L.M., Brown, J.M., and Elliott, M.A., (2008), "Pointof Use Household Drinking Water Filtration: A Practical, Effective Solution for Providing Sustained Access to Safe Drinking Water in the Developing World", *Environmental Science and Technology*, Vol.42, No.12, pp.4261-4267,2008
- Sockalingam, S., and Nilakantan, G., (2012), "Fiber-Matrix Interface Characterization through the Microbond Test", International Journal Aeronautical and Space Sciences, Vol.13, No.3, pp.282-295, 2012
- Soyam, D., Praveen, S., Bhagyawardhan, Gupta, S., Kaurwar, A., Satankar, R.K., Kothari, K., and Plappally, A.K., (2016), G-Filters for Water Filtration: Technology for Individual Potter, UBA Pavilion, India International Science Fest (IISF), NPL, New Delhi, 7-11 December, 2016
- Styhre, A., (2001), "Kaizen, Ethics, and Care of the Operations: Management After Empowerment", Journal of Management Studies, 38:795-810. doi:10.1111/1467-6486.00259,2001
- Sundaram, M.A.S., and Bhattacharya, B., (2013), Earthenware Water Filter: A Double-Edged Sustainable Design Concept for India, In ICoRD'13, Lecture Notes in Mechanical Engineering, pp.1421-1431, Springer, India, 2013
- Suryanarayana, C., (2011), *Experimental Techniques in Materials and Mechanics*, CRC Press, Taylor and Francis Group, NY, USA, 2011
- Sussman, H., (1976), "Existence and Uniqueness of Minimal Realizations of Nonlinear Systems", *Mathematical Systems Theory, Springer*, Vol.10, pp.263–284, 1976
- Suthar, S., (2011), "Contaminated Drinking Water and Rural Health Perspectives in Rajasthan, India: An Overview of Recent Case Studies", Environmental Monitoring and Assessment, Vol.173, No.1, pp.837-849, 2011
- Suthar, S., Chhimpa, V., and Singh, S., (2009), "Bacterial Contamination in Drinking Water: A Case Study in Rural Areas of Northern Rajasthan, India", *Environmental Monitoring and Assessment*, Vol.159, No.1, pp.43-50, 2009
- Talhelm, T., Zhang, X., Oishi, S., Shimin, C., Duan, D., Lan, X., and Kitayama, S., (2014), Large-Scale Psychological Differences Within China Explained by Bice Versus Wheat Agriculture, Science 344:603-608, 2014
- TFS, (2016), "One Shot TM TOP10 Chemically Competent E. coli", MAN0001491, www.thermofisher.com/order/catalog/product/C404010; 10 December, 2016
- Thakur, V.K., Thakur, M.K., and Gupta, R.K., (2013), "Rapid Synthesis of Graft Copolymers from Natural Cellulose Fibers", *Carbohydrate Polymers*, Vol.98, No.1, pp.820-828, 2013
- Tharoor, S., (2016), An Era of Darkness: The British Empire in India, Aleph Book Company, New Delhi, 2016
- The Hindu,(2014)," Good Old Earthen Pots, with a Modern Touch", www.thehindu.com/news/national/andhrapradesh/good-old-earthen-pots-with-a-modern touch/article5957193.ece; 25 December, 2017
- The Hindu, (2016), "Clay Bottles, Jars to Beat the Heat", www.thehindu.com/news/national/karnataka/claybottles-jars-to-beat-the-heat/article8526494.ece; 10 July, 2017
- Thompson, M., (2015), "A Critical Review of Water Purification Technology Appropriate for Developing Countries: Northern Ghana as a Case Study", *Desalination and Water Treatment*, Vol.54, No.13, pp.3487-3493, 2015

- Trevett, A.F., Carter, R.C., and Tyrrel, S.F., (2004), "Water Quality Deterioration: A Study of Household Drinking Water Quality in Rural Honduras", *International Journal of Environmental Health Research*, Vol.14, No.4, pp.273-283, 2004
- Tsing, A., Brosius, J., and Zerner, C. (2005) "Introduction: Raising Questions About Communities and Conservation". In Communities and Conservation: Histories and Politics of Community-Based Natural Resource Management, Ed.: Brosius, J., Tsing, A., and Zerner, AltaMira Press, New York, 2005
- Turner, J.M., (2014), "Counting Carbon: The Politics of Carbon Footprints and Climate Governance from the Individual to the Global", *Global Environmental Politics*, Vol.14, No.1, pp.59-78, 2014
- Tyeryar, M., Reed, J., Hackett, C., Gilmore, M., Abebe, L., and Singo, A., (2011), "A Study of the Feasibility of Creating a Ceramic Water Filter Factory in Limpopo Province South Africa", *Public*, Vol.1, pp.119-127, 2011
- Upadhyaya., (2014), Vulnerability and Adaptation to Climate Change in the Context of Water Resource with Reference to Rajasthan, PhD Thesis, The IIS University, India, 2014
- Urs, K., Whittell, R., (2009), Resisting Reform? Water Profits and Democracy, Sage Publications, New Delhi, India, 2009
- Valdés J.B., (2008), Science and Engineering to Address Water Resource Management Issues in Arid and Semi-Arid Regions, Practical Cutting-edge Technology for Water Services, Discussion and Focus on Applications in Africa, Water Science Forum, State Dept., Washington, D.C., 2008
- Van der Laan, H., Van Halem, D., Smeets, P.W.M.H., Soppe, A.I.A., Kroesbergen, J., Wubbels, G., Nederstigt, J., Gensburger, I., and Heijman, S.G.J., (2014), "Bacteria and Virus Removal Effectiveness of Ceramic Pot Filters with Different Silver Applications in A Long-Term Experiment", *Water Research*, Vol.51, pp.47-54, 2014
- Van Halem, D., Heijman, S.G.J., Soppe, A.I.A., Van Dijk, J.C., and Amy, G.L., (2007), "Ceramic Silver-Impregnated Pot Filters for Household Drinking Water Treatment in Developing Countries: Material Characterization and Performance Study", Water Science and Technology: Water Supply, Vol.7, No.5-6, pp.9-17, 2007
- Velraj, G., Janaki, K., Musthafa, A.M., and Palanivel, R., (2009), "Spectroscopic and Porosimetry Studies to Estimate the Firing Temperature of Some Archaeological Pottery Shreds from India", Applied Clay Science, Vol.43, No.3, pp.303-307,2009
- Venkatarama Reddy, B.V., (2009), "Sustainable Materials for Low Carbon Buildings", International Journal of Low-Carbon Technologies, Vol.4, No.3, pp.175-181, 2009
- Venkatesh, V., and Davis, F.D., (1996), "A Model of the Antecedents of Perceived Ease of Use: Development and test", Decision Sciences, Vol.27, No.4, pp.451-481, 1996
- Vincentelli, M., (2000), Women and Ceramics: Gendered Vessels, Manchester University Press, 2000
- Waked, A.M., (1986), "Solar Energy Storage in Rocks", Solar and Wind Technology, Vol.3, No.1, pp.27-31, 1986
- Wang, M., (2003), "Developing Bioactive Composite Materials for Tissue Replacement", *Biomaterials*, Vol.24, No.13, pp.2133-2151, 2003
- WCC,(2008),"SustainableHomeGuidelines/EarthBuilding",www.waitakere.govt.nz/abtcit/ec/bldsus/pdf/materi als/earthbuilding.pdf; 20 February, 2016
- Wei, X., Plappally, A.K., Soboyejo, A.B., Dong, B., Mao, Z., and Brown, L.C., (2012), "Numerical and Multivariate Stochastic Approaches to Characterize Flow in A Constructed Wetland Basin", Stochastic Environmental Research and Risk Assessment, Vol.26. No.4, pp.545-556, 2012
- Weidenfeller, B., Hofer, M., and Schilling, F.R., (2005), "Cooling Behaviour of Particle Filled Polypropylene during Injection Moulding Process", *Composites Part A: Applied Science and Manufacturing*, Vol.36, No.3, pp.345-351, 2005
- Welton, J.E., (2003), SEM Petrology Atlas, Methods in Exploration Series No. 4, Chevron Oil Field Research Company, AAPG publications, Tulsa, OK, 2003
- Westra, M., (2012), Exploring the Geographical Data of the Meghadūta reconstructing the route of the cloud, Master Thesis Religious Studies, Faculty of Theology and Religious Studies, Rijksuniversiteit Groningen, 2012
- WHO, (2015), "Fact sheet JUNE 2015", www.who.int/mediacentre/factsheets/fs391/en/; 17 December, 2017
- Wilby, C.B., (1977), Concrete for Structural Engineers-A text to CP 100, Newnes-Butterworths, London, UK, 1977
- Wilson, H.H. (1842), The Megha Duta or the Cloud Messenger: A Poem in the Sanskrit Language by Kalidasa, Translated into English Verse with Notes and Illustrations, Second Edition, London, Printed by Richard Watts, Printer to the East India College, 1842

- Wolf Skill, L.A., Dunlap, W., and Galloway, B.M., (1963), Handbook for Building Homes of Earth. Texas Transportation Institute, Rep. for the Agency for Int. Development, Bull. No.21, E 14-63, Texas A and M Univ., College Station, Texas, 1963
- Wong, K.J., Yousif, B.F., Low, K.O., Ng, Y., and Tan, S.L., (2009)," Effects of Fillers on the Fracture Behavior of Particulate Polyester Composites", *Journal of Strain Analysis*, Vol.45, pp.67-78, 2009
- Worrell, E., Price, L., Martin, N., Hendriks, C., and Meida, L.O., (2001), "Carbon Dioxide Emissions from the Global Cement Industry", Annual Review of Energy and the Environment, Vol.26, No.1, pp.303-329, 2001
- Xu, Y., Kinugawa, J., and Yagi K., (2003), "Development of Thermal Conductivity Prediction System for Composites", *Materials Transactions*, Vol.44, No.4, pp.629-632, 2003
- Yadav, A., Kumar, G., Soboyejo, A.B.O., Gaur, R.S., Tiwari, S., and Plappally, A., (2015), "Empirical Models for Change in pH and Temperature Within Gravity-Based Reactor Columns", *Desalination and Water Treatment*, Vol.55, No.12, pp.3195-3209, 2015
- Yakub, I., Plappally, A., Leftwich, M., Malatesta, K., Friedman, K.C., Obwoya, S., Nyongesa, F., Maiga A.H., Soboyejo, A.B.O., Logothetis, S., and Soboyejo, W., (2012), "Porosity, Flow, and Filtration Characteristics of Frustum-Shaped Ceramic Water Filters", *Journal of Environmental Engineering*, Vol.139, No.7, pp.986-994, 2012
- Zafar, A., Al-Ghafri, A.S., Al-Ghulaibi, N.M., Fetoui, M., Khan, F.F., Kobori, I., Liang, L., Oshima, K., Ouessar, Mohammed, Sghaier, Monghi, Qingwei, Sun, Tao, Wang and Wessels, J., (2008), What Makes Traditional Technologies Tick? A Review of Traditional Approaches for Water Management in Drylands, Ed.: Adeel, Zafar, Schuster, Brigitte and Bigas, Harriet, UNU Desertification Series, Hamilton: UNU-INWEH, 2008
- Zenkert, D., (1995), An Introduction to Sandwich Construction, Chameleon Press Ltd., London, 1995
- Zhandarov, S., and M\u00e4der, E., (2005), "Characterization of Fiber/Matrix Interface Strength: Applicability of Different Tests, Approaches and Parameters", Composites Science and Technology, Vol.65, No.1, pp.149-160, 2005
- Zhandarov, S., Pisanova, E., Mäder, E., and Nairn, J.A., (2001), "Investigation of Load Transfer Between the Fiber and the Matrix in Pull-Out Tests with Fibers Having Different Diameters", *Journal of Adhesion Science and Technology*, Vol.15, No.2, pp.205-222, 2001
- Zhou, W., Apkarian, R., Wang, Z.L., and Joy, D., (2006), *Fundamentals of Scanning Electron Microscopy (SEM)*, In Scanning Microscopy for Nanotechnology, Springer, NY, USA, 2006
- Zhu, Z.K., Yang, Y., Yin, J., and Qi, Z.N., (1999), "Preparation and Properties of Organ Soluble Polyimide/Silica Hybrid Materials by Sol-Gel Process", *Journal of Applied Polymer Science*, Vol.73, pp.2977–2984,1999
- Zum Gahr, K.H., (1998), "Wear by Hard Particles", Tribology International, Vol.31, No.10, pp.587-596, 1998

. . .