

Professor Dr. Soumitra Kumar Mallick ForMemEPS

PhD(GSAS, New York University, 1993), B.Comm (Hons.) (St. Xavier's College, Calcutta University, 1983), C.A.(ICAI, 1985), H.S. (West Bengal Council of Higher Secondary Education, St. Xavier's College, Sciences Dept., 1980). Was a National Merit Scholar under School Final Examination and a A student for MPhil, PhD at New York University (CGPA 3.5/4). Was a Development Fellow at New York University.

Foreign Member - European Physical Society, Econometric Society, Royal Economic Society, Member - Indian Statistical Institute & MathFinance.

Selected recent discoveries and inventions with publications

Technologies Invented with Sandipan Mallick and Dr. Nick Hamburger using Natural Science Mathematical Laws of Genetic Econophysics developed below and Chemical Physical Analysis (Sandipan Mallick emphasis) and Mechanical Electrical Engineering (Dr. Nick Hamburger emphasis)

- 1) *Soumitra Kumar Mallick & Sandipan Mallick*, Materials Nano-Science Chemical Physical Analysis Simulation experiment using String Theory, first results, www.researchgate.net/Soumitra K.Mallick , January 12, 2016.
- 2) *Soumitra Kumar Mallick, Nick Hamburger & Sandipan Mallick*, Design of gated switches using HAAG Theorem bypass technology, Nick Hamburger website, January 10, 2016.

Refereed & Indexed journals for Laws of Genetic Econophysics (S.K.Mallick emphasis) towards development of "sustainable" electronic libraries, electronic stock markets, electronic banking networks and electronic commerce systems:

- (1) A Mathematical Statistical pricing model for emerging stock markets of India, *Journal of Asset Management*, with A.Sarkar, K.K.Roy, T.Duttachaudhuri & A.Chakraborty, 7(5), 2007, 335-346.(ISSN: 1470-8272 EISSN: 1479-179X).
- (2) A set theoretic forecasting model for Investment in the Pharmaceutical Sector of Emerging Markets , *Mathematical Finance*, Archived, 2007.(ISSN : 1467-9965)
- (3) Dynamics of Emerging India's banking sector assets : a simple model,with A.Sarkar, K.K.Roy, T.Duttachaudhuri & A.Chakraborty, *Journal of Asset Management*, 2010, 11(1), 62-70.(ISSN: 1470-8272 , EISSN:1479-179X).
- (4) Market Economics : some theoretical questions, *Survey*, 33(1-2), 1993, 41-52.(ISSN 0586-0008).
- (5) Outlining a control system for regional conference websites : The Econometric Society conferences case, *Journal of Digital Asset Management*, 3(6), 2008, 325-328.(ISSN: 1743-6540, EISSN: 1743-6559)
- (6) Subscription to digital libraries and corresponding journal impact: a value-based approach to demand for digital research data, with Thomas Krichel, Marco Novarese, *Journal of Digital Asset Management*, 2010, 6(6), 336-343. (ISSN: 1743-6540, EISSN: 1743-6559)
- (7) Pharmaceutical Market Investment, *Incomplete Markets*, oai:nature.com:10.1057/jam.2010.17
- (8) oai:nature.com:10.1057/palgrave.jam.2250041 **dc:title** A mathematical statistical pricing model for emerging stock markets The String Theory and Econophysics problem of Coal Mining, *Journal of Physics A*, J Phys A 101738, Archived, 23 August 2014.
- (9) The String Theory of Indian Stock Market nanostructure system, *Journal of Physics A*, J Phys A 101727, Archived, 22 August 2014.
- (10) Econophysics Haag's Theorem and Stock Market Nanotechnology system, *European Journal of Physics*, Archived, 2015

(11) Medical Physics Field Theory experimentally established with Stationary Cardinal Utility Digital Asset Markets and Learning Field Quantum Physical Ensembles, with N. Hamburger, S. Mallick, 8/16, www.ResearchGate.net/Soumitra K. Mallick, DOI:10.13140/RG.2.1.1169.6888,

Global Prize : Millenium Prize (Clay Mathematics Institute) for solution to Problem # 3 for P Vs. NP problem solution in Physics of Electronic Commerce and Medical Physics of Insurance, Fields, jointly with Dr. N. Hamburger and Sandipan Mallick , 2016