**CURRICULUM VITAE**

**Name:** Mae-Wan Ho

**Date of Birth:** 12 November 1941

**Place of Birth:**Hong Kong

**Citizenship:** United Kingdom

**Business Address:**Institute of Science in Society , PO Box 32097, London, NW1 0XR, United Kingdom

**Educational**

1964 Hong Kong University, B.Sc. Biology and Chemistry 1st Class

1968 Hong Kong University, Ph. D. Biochemistry

**Awards :**

1964 Chan Kai Ming's Prize for Biological Sciences

1964-1967 Hong Kong Government Postgraduate Studentship

1971-1974 Fellow of the National Genetics Society, USA (one of five national awardees)

1998 Vida Sana Award for work on Biosafety and Biotechnology

Guest of Honour at Women of the Year Luncheon & Assembly

2003 Fellow of the Royal Society of Arts Academic Appointments

1967-1968 Demonstrator in biochemistry, Hong Kong University

1968 (Feb-Aug) Postdoctoral Fellow, University of Southern California Department of Neuroscineces, School of Medicine

1968-1971 Postdoctoral Fellow, University of California, San Diego, Department of Neurosciences, School of Medicine

1971-1972 Research Fellow, University of California, San Diego, Department of Neurosciences, School of Medicine, and Fellow of the National Genetics Society, USA.

1972-1974 Research Fellow, University of London, Queen Elizabeth College, Department of Biochemistry, and Fellow of the National Genetics Society USA.

1974-1977 Senior Research Fellow, University of London, Queen Elizabeth College, Department of Biochemistry

1976-1985 Lecturer in Genetics, Open University, Biology Discipline

1978-1979 Honorary Research Fellow, University of London, University College, Department of Human Genetics and Biometrics

1985-2000 Reader in Biology. Open University

1988-1989 Honorary Research Fellow, New York University Medical Department of Physiology and Biophysics, New York.

1999 Faculty for International Honours Program on Global Ecology (Bard College, USA): Integrating Nature and Culture

1996- Faculty member for Jungian Conference in Assisi on "The Confluence of Matter and Spirit: Patterning in the Psyche and in Archetypal Fields" Lectures on "Organism and Psyche", Brattleboro, USA

1998 Academic Advisor to Theoretical Biology Post Graduate Programme, Centre for Theoretical Studies and Charles University, Prague, Czech Republic

1999 Advisory Board of The Ecologist

2000 Scientific Advisor to Interdisciplinary University, Paris, France

2001-2003 Visiting Reader, Open University

2001- Visiting Professor, Institute of Physics, Catania University, Sicily Research -

**Project Grant Awards**

1971-1974 Fellowship of the National Genetics Foundation USA (one of five national awardees)US$18 000-20 000 p.a.over three years

1972-1975 MRC Research Grant for β-Galactosidase Isoenzymes in Hereditary Diseases £30 000

1974-1977 MRC Project Grant for Glycolipid Turnover and Lysosomal Function £70 000

1979-1980 Open University Research Project Grant for Genetics and Epigenetics of Adaptation in Drosophila ~£10 000?

1980-1981 Open University Research Project Grant for Genetics of Adaptation in Drosophila ~£10 000?

1980-1983 Nuffield Foundation Project Grant for Biochemistry, Genetics and Evolution of Lactase Persistence in Human Populations £36 000

1981 Open University Research Project Grant extension £13000

1983-1984 Nuffield Foundation Project Grant Extension for Biochemistry, Genetics and Evolution of Lactase Persistence £14 000

1983-1984 Open University Research Project Grant for Preparation of mRNA form Human Foetal Jejunum and In vitro Translation of Lactase message £?

1984-1985 Wellcome Trust Project Grant on Investigations on Lactase Biosynthesis with Monoclonal Antibodies £23 000

1984-1985 Open University Research Committee Grant for the Molecular Basis of Lactase Persistence £16 000 1984 Open University Research Committee Grant for 'Molecular Cloning of Lactase mRNA in λgt11'£4500

1985-1988 MRC Project Grant on the Molecular Basis of Lactase Persistence £85 000

1985-1988 Open University Research Project Grant for Dynamics of Segmentation in Drosophila melanogasta £40 000

1985-1986 Open University Research Project Grant on Lactase Biosynthesis and Transport £13 000 1989 Open University project grant on Electrical Activities and Pattern Formation in Drosophila £6 500

1993-1994 Open University Research Committee Project Grant on Noninvasive Interference Colour Vital Imaging £32 000

1995-1996 EPSRC-LINK Project Grant on Noninvasive Imaging on Colour and Energetics of living organisms £80 000 with matching £75 000 contribution from industry in equipment and consultancy. Final report rated alpha-4 “Very significant contribution to the field”

1998 Goldsmith Foundation grant £20 000 for personal secondment to genetic engineering information center and biophysics research

1999 Goldsmith Foundation grant £20 000 for establishing Institute of Science in Society

2000- Goldsmith Foundation grant various continued support for Institute of Science in Society

**Patents and Inventions**

1995 UK Patent on Polarized Light Microscopy GB2270774A

1996 US Patent on Polarized Light Microscopy US5559630

1996 UK Patent on Collagen and Ultrasound Therapy pending UK Patent on Collagen and Subtle Energy Medicine pending Travel Grants/Fellowships

1975 Royal Society Travel Grant to Neurochemistry Society Conference, Barcelona, Spain £300

1977 Open University Travel Grant to Conference on Dynamics and Regulation of Evolving Systems, Schloss Elmau, Germany £250

1979 Open University Travel Grant to Conference of the International Society for the Study of Time, Alpbach, Austria £300

1980 Open University Travel Grant to Conference on Dialectics of Biology and Society, Bressanone £250

1981 Open University Travel Grant to Conference on Evolution and Environment, Czechoslovakia, Academy of Science £165

1981 Royal Society Travel Grant to Conference on Evolution and Environment, Brno, Czechoslavakia £165

1983 Royal Society Travel Grant to Conference on Mathematics in Biology and Medicine £450

1984 Nuffield Foundation Small Grants for `Molecular Cloning of Lactase mRNA in the Expression Vector λgt11 £2300

1984 Royal Society study visit grant for `Molecular Cloning of Lactase in λgt11' £1340

1985 Open University Travel Grant to Third Schnierla Conference in Comparative Psychology, New York £450

1987 Open University Travel Grant to Comparative Psychology Conference in Costa Rica £500

1987 Open University Travel Grant to Conference on Evolution in Prague, Czechoslovakia £350

1995 Royal Society European Exchange Fellowship to International Institute of Biophysics for study on photon emission from biological systems £850

1997 Italian Atomic Energy Research Fund to Institute of Physics, Catania University, for photon emission from biological systems, £1000

1999 Italian Biophysics Foundation, photon emission from biological Systems, £1000 2000 Italian National Research Support, collagen & biological water £1600 2001-2002 Italian National Research Support, collagen & biological water £1600 Other Activities

1979-present Attended numerous invited conferences (including an open debate on evolution with Ernst Mayr organized by the late Paul Feyerband in ETH, Switzerland in 1991) and given many informal seminars and public lectures both within UK and abroad on all areas of research, especially evolution, genetic engineering, physics of organisms. Much in demand as speaker on the new organic science paradigm

1982-present Refereed papers for Journal of Theoretical Biology , Biochem. J., Biochem. Biophys. Acta, Am. J. Human Genetics, J. Biophsic, J. of Consciousness Studies, Microbial Ecology in Health and Disease, etc.

1982-present Book reviews for Endeavour, Sesame, Circular of the Paleontological Association , Annals of Human Genetics, Heredity, New Scientist and Times Higher Education Supplement, etc.

1988-present Refereed grants for Research Councils in Canada and U.K.

1986 Poem published in Spokes as a result of a competition. 1989 Paintings published in a scientific book.

1994 Two paintings published in magazine in connection with an article on art and science

1982 –present Many Interviews given to media on evolution, genetics, genetic engineering, physics of organisms all over the world (at least 30 countries)

1994-present Scientific Advisor to the Third World Network on Biotechnology and Biosafety; attended many UN Biosafety Conferences also some WTO conferences on issues surrounding Modern Biotechnology, drafted numerous reports; made numerous submissions to govts all over the world on biosafety and biotechnology

1999- present Co-founder & Director of Institute of Science in Society to promote public understanding of science, socially responsible and science for sustainable living.

2002- present Founder and Editor of Science in Society magazine 2001 Nominated to Roster of Expert for Biosafety Clearing House of the Cartegena Biosafety Protocol Publications (Incomplete listing)

**Books - Research**

1. Beyond neoDarwinism: An Introduction to the New Evolutionary Paradigm. M.W. Ho and P.T.Saunders (eds), Academic Press,1984.

2. Evolutionary Processes and Metaphors, M.W. Ho and S.W. Fox, eds., Wiley,1988.

3. The Rainbow and the Worm - The Physics of Organisms, M.W. Ho, World Scientific, Singapore,1993.

4. Bioelectrodynamics and Biocommunication, M.W. Ho, F.A. Popp, and U. Warnke, eds., World Scientic, Singapore,1994.

5. Bioenergetics, M.W. Ho (ed), Open University Press, Milton Keynes.

6. Genetic Engineering Dream or Nightmare? The Brave New World of Bad Science and Big Business, M.W. Ho, Gateway Books, Bath, 1998. (Translated into many languages including Spanish, Italian, German, Chinese, Japanese, Polish, Turkish, Czech and Korean).

7. The Rainbow and the Worm - The Physics of Organisms, 2nd (enlarged) Edition, M.W. Ho, World Scientific, Singapore, 1998; reprinted 2000, 2001, 2003.

8. Genetic Engineering Dream or Nightmare? Turning the Tide on The Brave New World of Bad Science and Big Business, 2nd edition, M.W. Ho, Gateway, Gill & Macmillan, 1999.

9. Living with the Fluid Genome, M.W. Ho, ISIS and TWN, London and Penang, 2003.

10. Energy and Information Transfer in Biological Systems, How Physics Could Enrich Biological Understanding, (F. Musumeci, L Brizik and MW Ho eds., World Scientific, Singapore, 2003.

11. Ho MW, Lim LC et al. The Case for a GM-Free Sustainable World, Independent Science Panel Report, TWN & ISIS, Penang and London 2003, translated into Spanish, French and Indonesian.

12. Ho MW, Burcher S, Gala R and Vejkovic V. Unravelling AIDS, Vital Health Publishing, 2005

13. Ho MW, Lim LC and Cummins J. Rice is Life, ISIS and TWN, 2005.

14. Love of the Magician, a post-modernist integration of science and human experience, M.W. Ho (in preparation).

**Booklets on genetic engineering, biosafety, and social responsibility**

1. Fatal Flaws in Food Safety Assessment: Critique of The Joint FAO/WHO Biotechnology and Food Safety Report, M.W. Ho and R.A. Steinbrecher, Third World Network, Penang, 1998.

2. Gene Technology and the Etiology of Infectious Diseases. M.W. Ho et al, Third World Network, 1998.

3. Biotechnology Patents Are Patently Absurd. M.W. Ho, Third World Network, Penang, 2001.

4. Horizontal Gene Transfer, The Hidden Hazards of Genetic Engineering, M.W. Ho, Third World Network, Penang, 2001.

5. Slipping Through the Regulatory Net: ‘Naked’ and ‘Free’ Nucleic Acids, M.W. Ho, A. Ryan, J. Cummins and T. Traavik, Third World Network Biotechnology Series, Third World Network, Penang, 2001.

6. The Golden Rice: An Exercise on How Not to Do Science, Mae-Wan Ho, Third World Network Biotechnology Series, Third World Network, Penang, 2002.

7. FAQs on Genetic Engineering, M.W. Ho, Third World Network Biotechnology Series, Third World Network, Penang, 2002.

8. Ho MW, Novotny E, Webber P, Daniels EE et al. Towards a Convention on Knowledge, ISIS publications, August 2002.

**OU textbooks**

1. Molecular Genetics, Unit 6, S299 Genetics, An Open University Second Level Course, M.W. Ho, Open University Press, 1976.

2. Species and Speciation, Unit 12, S364 Evolution, An Open University Third Level Course, M.W. Ho, Open University Press, 1981.

3. Macroevolution and Development, Unit 13, S364 Evolution, An Open University Third Level Course, M.W. Ho, Open University Press, 1981.

4. The Process of Heredity. M.W. Ho and B. C. Goodwin, Genetics S298 Unit 1, Open University Press, Milton Keynes, 1987.

5. Regulation of Gene Expression in Bacteria and Viruses, Genetics S298 Unit 7. M.W. Ho, Open University Press, Milton Keynes, 1987.

6. Regulation of Gene Expression in Eukaryotes, Genetics S298 Unit 8. M.W. Ho. Open University Press, Milton Keynes, 1987.

7. Genes in Populations, Genetics S298 Units 11 & 12. M.W. Ho. Open University Press, Milton Keynes, 1987.

8. Techniques and Exercises in Molecular Genetics, Genetics S298 Supplement, S. Plakidou and M.W. Ho. Open University Press, Milton Keynes, 1987.

9. Energy in biological systems. M.W. Ho In Bioenergetics Book 2, S327, An Open University Third Level Course (M.W. Ho, ed.), pp 7-11, Open University Press, Milton Keynes, 1995.

10. Thermodynamics and energy flow, M.W. Ho. In Bioenergetics Book 2, S327, An Open University Third Level Course (M.W. Ho, ed.), pp 12-50, Open University Press, Milton Keynes, 1995.

11. Enzymes -flexi-molecular energy machines. M.W. Ho. In Bioenergetics Book 2, S327, An Open University Third Level Course (M.W. Ho, ed.), pp 51-74, Open University Press, Milton Keynes, 1995.

12. Choreographer and dancer. M.W. Ho. In Bioenergetics Book 2, S327, An Open University Third Level Course (M.W. Ho, ed.), pp117-138, Open University Press, Milton Keynes, 1995.

13. The energetics of the four-minute mile. M.W. Ho and D. Harris. In Bioenergetics Book 2, S327, An Open University Third Level Course (M.W. Ho, ed.), pp 186-234, Open University Press, Milton Keynes, 1995.

14. How to be a vibrant coherent whole. M.W. Ho In Bioenergetics Book 2, S327, An Open University Third Level Course (M.W. Ho, ed.), pp 235-240, Open University Press, Milton Keynes, 1995.

15. The moral responsibility of scientists, A case study. M.W. Ho in Science and the Public, Open University M.Sc. Course, 1998.

**Papers in Refereed Journals**

1. Morphine Cancels Effect of Magnesium on Hormone-Sensitive Uptake of Glucose by Muscle. E. O'F. Walsh and M.W. Poon (maiden name). Nature (Lond) 215: 525-26, 1967.

2. Effects of Morphine on the Hormonal Control of Metabolism - IV. Morphine induced Changes in Sensitivity of Glucose-uptake system of Muscle to Extracellular Magnesium. M.W. Poon , M.L. Ng and E. O'F. Walsh. Biochem. Pharmacol . 7: 1575-80, 1968.

3. β-Galactosidase Deficiency in Hurler's Syndrome. M. MacBrinn, S. Okada, M. Wollacott,

4. V. Patel, M.W. Ho, A.L. Tappel and J.S. O'Brien. New Eng. J. Med . 281: 338-43, 1969.

5. Generalised Gangliosidosis: Impaired Cleavage of Galactose from a Mucopolysaccharide and a Glycoprotein. M.C. MacBrinn, S. Okada, M.W. Ho, C.C. Hu and J.S. O'Brien. Science, 163: 964-67, 1969.

6. Hurler's Syndrome: Deficiency of a Specific β-Galactosidase Isoenzyme. M.W. Ho and J.S. O'Brien. Science, 165:611-13, 1969.

7. Stimulation of Acid β-Galactosidase Activity By Chloride Ions. M.W. Ho and J.S. O'Brien.Clin. Chim. Acta , 30: 531-34, 1970.

8. Ganglioside Storage Diseases. J.S. O'Brien, S. Okada, M.W. Ho, D.L. Fillerup, M.L. Veath and K. Adams. In Lipid Storage Diseases , pp 225-273, Academic Press, New York, 1971.

9. Ganglioside Storage Diseases. J.S. O'Brien, S. Okada, M.W. Ho, D.L. Fillerup, M.L. Veath and K. Adams. Fed. Proc ., 30: 956-69, 1971.

10. Differential Effect of Chloride Ions on β-Galactosidase Isoenzymes: A Method for Separate Assay. M.W. Ho and J.S. O'Brien. Clin. chim. Acta, 32, 223-36, 1971.

11. Gaucher's disease: Deficiency of `Acid' β-Glucosidase and Reconstitution of Enzyme Acticity in vitro I. M.W. Ho and J.S. O'Brien. Proc. Nat. Acad. Sci . USA, 68: 2810-13, 1971.

12. Adult Gaucher's Disease: Kindred Studies and Demonstration of a Deficiency of Acid β-Glucosidase in Cultured Fibroblasts. M.W. Ho, J. Seck, D. Schmidt, L. Veath, W. Johnson, R.O. Brady and J.S. O'Brien. Am. J. Hum. Genet . 24: 37-45, 1972.

13. I-cell Disease: Biochemical Studies. J.G. Leroy, M.W. Ho, M.C. MacBrinn, K. Zielke, J. Jacob and J.S. O'Brien. Ped. Res . 1972.

14. Fabry's Disease: Evidence for a Physically Altered β-Galactosidase. M.W. Ho, S. Beutler, L.Tennant and J.S. O'Brien. Am. J. Hum. Genet . 24: 256-266, 1972. (Reprinted in Biochemical Basis of Inherited Human Diseases . MSS Information Corporation, New York, 1973.

15. Ceramide Trihexoside β-Galactosidase: Kinetic Properties and Alterations in Fabry's Disease. M.W. Ho. Fed. Proc . 31: 437, 1972.

16. Glucocerebrosidase: Reconstitution of Activity from Macromolecular Components. M.W. Ho, J.S.O'Brien, N.S. Radin and J.S. Erickson. Biochem. J . 131: 173-76, 1973.

17. Hydrolysis of Ceramide Trihexoside by a Specific β-Galactosidase from Human Liver. M.W. Ho, Biochem. J . 133: 1-10, 1973

18. Hydrolysis of GM S1 S galglioside by Human Liver β-Galactrosidase Isoenzymes. M.W. Ho, P. Cheetham and D. Robinson, Biochem. J . 136: 351-59, 1973.

19. Identity of Acid β-Glucosidase and Glucocerebrosidase in Human Spleen. M.W. Ho, Biochem. J. 136: 721-29, 1973.

20. Glucocerebrosidase: Reconstitution from Mutliple components Depends on Acidic Phospholipids. M.W. Ho and N.D. Light, Biochem. J . 136 821823. 1973.

21. GM-S1 S Gangliosidosis Type II. J.S. O'Brien, M.W. Ho, M.L. Veath, J.F. Wilson, G. J.M. Optiz, G.M. Zurheim, J.W. Spranger, H.A. Hartman, B. Haneberg and F.R. Gross. Clin. Genet . 3: 411-434, 1974.

22. Glucocerebrosidase: Stiochiometry of Association between Effector and Catalytic Proteins. M.W. Ho and M. Rigby. Biochem. Biophys. Acta . 396, 267-73, 1975.

23. Specificity of Low Molecular Weight Glycoprotein Effector of Lipid Glycosidase. M.W. Ho, FEBS Letters . 53: 243-47, 1975.

24. Chloride Ions Cancel Out Inhibition of β-Galactosidase Activity by Acid Mucopolysaccharides. M.W. Ho and A. Fluharty. Nature (Lond) 253:660. 1975.

25. Genetic Heterogeneity in GM S1 S Gangliosidoses. H. Galjaard, A. Hoogeveen, W. H.a. de Wit-Verbeed, A.J.J. Reuser, M.W. Ho and D. Robinson. Nature (Lond) 254: 6062, 1975.

26. The Glycolipid Storage Disease. M.W. Ho. Medikon 6: 3-12, 1977.

27. On the Increase in Complexity in Evolution. P.T. Saunders and M.W. Ho. J. Theor. Biol 63: 375-84, 1976

28. In Defence of Complexity. P.T. Saunders and M.W. Ho.J. Theor. Biol . 68: 235-37, 1977.

29. Glycophingolipid Storage Disease: Biochemistry and Genetics. M.W. Ho, A.G.W. Norden and J.A. Alhadeff. Mol. Cell. Biochem . 17: 125138, 1977.

30. Beyond neo-Darwinism: an Epigenetic Approach to Evolution. M.W. Ho and P.T. Saunders, J. Theor. Biol . 78: 573-91, 1979.

31. What is the Unit of Natural Selection? M.W. Ho and P.T. Saunders. Evolution Theory 5: 169-72, 1981.

32. Alternatives to biological reductionism – a report on a recent conference. M.W. Ho and A. Muir. Scientia 115, 701-6, 1981.

33. On the increase in Complexity in Evolution. II. The Relativity of Complexity and the Principle of Minimum Increase. P.T. Saunders and M.W. Ho. J. Theor. Biol . 90: 515-30, 1981.

34. Lactase Polymorphism in Adult British Natives. Estimating Allele Frequencies by Enzyme Assays. M.W. Ho, S. Povey and D. Swallow. Am. J. Human Genetics 34; 650-657,1982.

35. Effect of Successive Generations of Ether Treatment on Penetrance and Expression of the Bithorax Phenocopy. M.W. Ho, C. Tucker, D. Keeley and P.T. Saunders. J. exp. Zool 225: 1-12, 1983.

36. The Bithorax Phenocopy and Pattern Formation. I. Spatiotemporal Characteristics of the Phenoopy Response. M.W. Ho, E. Bolton and P.T. Saunders. Exp. Cell Biol . 51: 282-290, 1983.

37. The Bithorax Phenocopy and Pattern Formation. II. A Model of Prepattern Formation. M.W. Ho, P.T. Saunders and E. Bolton. Exp. Cell Biol . 51: 291-299, 1983.

38. Is neo-Darwinism Falsifiable and Does it Matter? P.T. Saunders and M.W. Ho. Nature and Systems 4: 179-196, 1982

39. Where does Biological Form Come From? M.W. Ho. Revista di Biologia 77: 147-79, 1984.

40. Human Lactase and the Molecular Basis of Lactase Persistence. J. Potter, H.W. Ho, H. Bolton, A. Furth, D. Swallow and B. Griffiths. Biochem. Genetics 23: 423-39, 1985.

41. Preparation of a Monoclonal Antibody to Human Lactase. D. Swallow, J. Potter, F. Green and M.W. Ho. J. Immunol. Methods 77: 139-45, 1985.

42. Primary and Secondary Waves in Development. P.T. Saunders and M.W. Ho J. Theor. Biol 114: 491-504, 1985.

43. A New Paradigm for Evolution. M.W. Ho, P.T. Saunders and S.W. Fox. New Scientist 27 Feb., 41-43, 1986.

44. Heredity as Process: Towards a Radical Reformulation of Heredity. M.W. Ho Rivista di Biologia 79: 407-47, 1986.

45. Through a neo-Darwinian Glass Darkly. M.W. Ho, P.T.Saunders and S.W. Fox BioEssays 6: 3-4, 1987.

46. Evolution by Process, not by Consequence Implications of the New Molecular Genetics on Development and Evolution. M.W. Ho International J. Comp. Psychology 1: 3-27, 1987.

47. How Rational can Rational Morphology Be? M.W. Ho Rivista di Biologia 81:11-55, 1988.

48. Isolation of a cDNA probe for a Human Jejunal Brush-border Hydrolase, Sucrase-isomaltase and Assignment of the Gene Locus to Chromosome 3 Green, F., Edwards, Y., Hauri, H.P., Povey, S., Ho, M.W., Pinto, M. and Swallow, D. Gene 57:101-10, 1987.

49. Ether-induced Disturbances to Segmentation in Drosophila melanogaster. M.W. Ho, A Matheson, P.T. Saunders, B.C. Goodwin and A Smallcombe. Roux's Arch Devel. Biol 511-21, 1987.

50. An Exercise in Rational Taxonomy. M.W. Ho. J. theor. Biol. 147: 43-57, 1990.

51. Mosaic Pattern of Lactase Expression by Villous Enterocytes in Human Adult-type Hypolactasia. Maiuri, L., Raia, V., Potter, J., Swallow, D., Ho, M.W., Fiocca, R., Finzi, G., Cornaggia, M., Capella, D., Quaroni, D. and Auricchio, S.Gastroenterology 100: 359-69, 1991.

52. Re-animating Nature: the Integration of Science with Human Experience. Ho, M.W. Leonardo 24: 607-615, 1991.

53. The Role of Action in Evolution: Evolution by Process and the Ecological Approach to Evolution. M.W. Ho. Cultural Dynamics 4: 336-54, 1991.

54. Brief Exposure to Weak Static Magnetic Fields during Early Embryogenesis Cause Cuticular Pattern Abnormalities in Drosophila larvae. Ho, M.W., Stone, T., Jerman, I., Bolton, J., Bolton, H., Goodwin, B.C., Saunders, P.T. and Robertson, F. Physics in Biology and Medicine 37 (5): 1171-9, 1992.

55. Electrodynamic Activities and Their Role in the Organization of Body Pattern. Ho, M.W., S., Bolton, H., Popp, F.A., and Xu, X.J. Scientific Exploration 6: 59-77, 1992.

56. Development, Rational Taxonomy and Systematics. M.W. HoRivista di Biologia 85 (2): 211, 1992.

57. A Universal Developmental Mechanism for Hutchinson's rule. M.W. Ho Rivista di Biologia 85: 385-9, 1993.

58. Rational Taxonomy andThe Natural System- with Particular Reference to Segmentation. M.W. Ho and P.T. Saunders. Acta Biotheoretica 41: 298-304, 1993.

59. Evolutionary Theory and World Future. M.W. Ho World Futures 38: 97-106, 1993.

60. What is (Schrödinger's) Negentropy? M.W. Ho Rivista di Biologia 87: 149-172, 1994.

61. Reliable Segmentation by Successive Bifurcation.P.T. Saunders and M.W. Ho, Bull. Math Biol. 57, 539-556, 1994.

62. Unravelling Gene Biotechnology. M.W. Ho. Soundings 1, 77-98, 1995.

63. Bioenergetics and the Coherence of Organisms. M.W. Ho. Neural Network World 5, 733-750, 1995.

64. The Biology of Free Will. M.W. Ho. J. Consciousness Studies 3, 231-244, 1996.

65. Colour-contrast in Polarized Light Microscopy of Weakly Birefringent biological specimens. R. H. Newton, J. Haffegee and M.W. Ho. J. Microscopy 180, 127-130, 1995.

66. Molecular Orientations in an Extruded Collagenous Composite, the Marginal Rib of the Egg Capsule of the Dogfish Scyliorhinus canicula; a Novel Lyotropic Liquid Crystalline Arrangement and How it is Defined in the Spinneret. D.P. Knight, S.W. Hu, L.J. Gatherole, M. Rusaouen-Innocent, M.W. Ho and R.H. Newton. Phil. Trans. Roy. Soc. 351,1205-1222, 1996.

67. Organisms as Polyphasic Liquid Crystals. M.W. Ho, J. Haffegee, R.H. Newton, S. Ross, Y.M. Zhou and J.P. Bolton. Bioelectrochemistry and Bioenergetics 41, 81-91, 1996.

68. On the nature of sustainable economic systems. M.W. Ho World Futures 51, 199-221, 1997.

69. Quantum coherence and conscious experience. M.W. Ho Kybernetes 26, 263-276, 1997.

70. Quantitative image analysis of birefringent biological materials. S. Ross, R. H. Newton, Y.M. Zhou, J. Haffegee, M.W. Ho, J. Bolton, D. Knight. J. Microscopy 187, 62-67, 1997.

71. Towards a theory of the organism. M.W. Ho Integrative Physiology and Behavioral Sciences 1997.

72. The new age of the organism. M.W. Ho Architectural Design Profile No. 129, NewScience = New Architecture?, 1997.

73. Gene technology and gene ecology of infectious diseases. M.W. Ho, T. Traavik, O. Olsvik, B. Tappeser, C. V. Howard, C. von Weizsacker and G. C. McGavin. Microbial Ecology in Health and Disease 10, 33-39, 1998.

74. Liquid crystalline meridians. M.W. Ho and D.M. Knight. The American Journal of Chinese Medicine 26, 251-263, 1998.

75. In vitro formation by reverse dialysis of collagen gels containing highly oriented arrays of collagen. D.P. Knight, L. Nash, X.W. Hu, J. Haffegee and M.W. Ho. Journal of Biomedical Materials Research, 1998.

76. Fatal flaws in food safety assessment. M.W. Ho and R. Steinbrecher Journal of Nutritional and Environmental Interactions 2, 51-84, 1998.

77. Influence of cations in extracellular liquid on delayed luminescence of Acetabularia acetabulum. Ho, M.W., Musumeci, F., Scordino, A. and Triglia, A. Journal of Photochemistry and Photobiology 45, 60-66, 1999.

78. Influence of membrane potential on delayed luminescence of Acetabularia acetabulum. M.W. Ho, F. Musumeci, A. Scordino and A. Triglia. Journal of Photochemistry and Photobiology 55, 70-3, 2000.

79. The cauliflower mosaic viral promoter – a recipe for disaster? M.W. Ho, A. Ryan and J. Cummins, Microbial Ecology in Health and Disease 11, 194-197, 1999.

80. The hazards of CaMV promoter. J. Cummins, M.W. Ho and A. Ryan, Nature Biotechnology 18,363, 2000.

81. The hazards of transgenic plants with the cauliflower mosaic viral promoter. M.W. Ho, A. Ryan and J. Cummins. Microbial Ecology in Health and Disease 12, 6-11, 2000.

82. The CaMV 35S promoter fragmentation hotspot confirmed and it is active in animal systems. Microbial Ecology in Health and Disease 12, 127, 2000

83. Veljkovic V and Ho MW. AIDS vaccines or dangerous biological agent? AIDScience 2002, http://aidscience.org/Debates/aidscience019d.asp

84. Why biotech patents are patently absurd. M.W. Ho Journal of Intellectual Property Rights 2002, 7, 151-165.

85. Ho, M.W., Musumeci, F., Scordino, A, Triglia, A. and Privitera, G. Delayed luminescence from bovine Achilles’ tendon and its dependence on collagen structure. J. Photochem. Photobiol. Biol B, 66, 165-70, 2002.

86. Ho, M.W. Quantum coherence, conscious experience and organic space-time. Forma (in press), 2003.

87. Ho MW. Horizontal gene transfer, book review. Heredity 2003, 90,6-7.

88. Ho MW, Haffegee J, Privitera G, Scordino A, Triglia A and Musumeci F. Delayed luminescence and biological water in collagen liquid crystalline mesophases. In preparation, 2004

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**Contributions to collected volumes**

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