

# **Prof. A.K. Mukhopadhyay-AIIMS Leadership in Knowledge for the World**

## **Time-line of Contributions in developing the discipline of Science for Consciousness**

This is a contribution, which changes the Worldview and brings Paradigm Shift for a number of disciplines of Science

### **1984-1987:**

With an aim to bring consciousness within the purview of science

- 1. Coined the term and concept of Supracortical Consciousness**
2. Developed this 'idea' of "Inverted Neuraxis" where the brain downloads information from supracortical domain, through publishing one booklet and one book
  - (i) *Frontiers of Research for Human Biologists* (1985)
  - (ii) *The Dynamic Web of Supracortical Consciousness* (1987)

### **1987-1995:**

1. Review of contemporary theories of consciousness in the context of Physics, Biology and Philosophy
2. Publication of book  
*Conquering the Brain* (1995). See Reviews in  
<http://www.akmukhopadhyayconsciousness.com/book.htm>

### **1995-2000:**

- 1. Developed the Idea of nested hierarchy in the mechanics of nature-consciousness & Pentaune Model of nature-consciousness (classical nature, quantum nature, sub-quantum nature, sub-su-quantum nature and consciousness)**
2. Invited as observer from India by Pontifical Academy of Science, Vatican (1999) in their Academic Committee Meeting
3. Publication of the book  
*The Millennium Bridge* (2000). See review in  
<http://www.akmukhopadhyayconsciousness.com/book.htm>

### **2002:**

On Nonlocal nature of consciousness  
Indian Council of Philosophical Research published his Monograph on  
*Nonlocality in nature of consciousness..... (2002)*  
This was displayed in Scientific & Medical Network's website as "leading article" for worthy five years

### **2004, 2006, 2009, 2010:**

**Contributed 4 lengthy chapters, one in each of four Philosophical Volumes**, as part of Project History of Indian Science, Philosophy and Culture (PHISPC), published by Centre for Studies in Civilization, New Delhi, and 2010 Volume published by Pearson, New Delhi.

- (i) The Self and its Memes and Genes: Genes Memes Self (Brain), Information Consciousness (2010)
- (ii) Brain Mind and Consciousness (2009)
- (iii) Supracortical Consciousness. An Opening to multiple new doors of Science (2006)
- (iv) Developing Science for Consciousness. Philosophical underpinnings (2004)

**2006, 2009, 2012, 2013, 2014:**

**Developed the concept and framework of Science of information**

- (i) Review of the book, *Quo Vadis Quantum Mechanics* in *Frontier Perspectives* (2006)
- (ii) A Radical view of Consciousness. On its nature and science – in *Frontier Perspectives* (2009)
- (iii) Information Holograph. The Structure, the Source and the Operation . International Journal of BioEngineering, NeuroSciences and Technology (2012),
- (iv) Science of Information. The Mandate and the Agenda . Presented as Plenary speaker in TSC–2013
- (v) From Quantum to Consciousness: A long way to go, in Brain Mind and Cosmos, Ed. Deepak Chopra (2014).

**2010:**

**On the Landscape of Human Possibilities – Tendencies of *Homo Sapiens* to become *Homo Spiritualis*** in Bridging Science and Spirituality Pub. Bhakti Vedanta Institute, Kolkata

**2012:**

**From God Particle to Consciousness**, in The Science and Spiritual Quest, Pub. Bhakti Vedanta Institute, Kolkata

**2014:**

On “ LIFE”  
Life within the Akhanda Worldview. Dialogue and Universalism (2014).

**2015:**

One hour Interview on National DD in December, 2014 on Science of Consciousness

<https://www.youtube.com/watch?v=IveWxQ-KRvM>

Praise by Deepak Chopra in SanFrancisco Chronicle

<http://www.sfgate.com/opinion/chopra/article/Who-Controls-Your-Mind-Hint-It-s-Not-Your-6791280.php>

<http://www.sfgate.com/opinion/chopra/article/What-s-the-Point-of-Being-Human-The-Best-6812996.php>

**2013 – till date:**

1. **Developed the idea and concept of Systems Psyche, Its Structure, Operation and possible Molecular links. Connected this idea with Systems Science, and Systems Biology. Identified the Emerging Patterns in the Complexity. Constructed the model of “The Ladder of Cognition”. Identified the ‘Layers’ within the thin layer between Neuroscience and Consciousness. Through depth psychology and deep ecology found out the link between Artificial Intelligence, Human Intelligence and Intelligence of Nature.**

2. Publication of Papers which are of translational value in Cell Biology, Molecular Medicine, Psychosomatic Medicine, AI, AL, Synthetic Biology, Personalized Medicine & Precision Medicine.

**Mukhopadhyay, A.K.** Mechanism of Intuition. *Current Opinions in Neurological Science*. 2 (1), pp. 356-361, (2018).

**Mukhopadhyay, A.K.** Artificial Intelligence, Human Intelligence and Intelligence of Nature: Difficult Questions in their Ambitious Fusion. *Current Opinions in Neurological Science*. 1 (5), pp. 216-231, (2017).

**Mukhopadhyay, A. K.** The Science of Spiritual Psychology. *Psychology and Behavioral Science International Journal*, 4 (5), (2017).

**Mukhopadhyay, A. K.** The Ladder of Cognition: Abstract Operation, Molecular Biology, Systems Science. *Ann Psychiatry Ment Health*, 5(4): 1107 (2017).

**Mukhopadhyay, A. K.** Systems-bound and Systems-independent Consciousness. Complex Inter-phase in between: From Narrative to Science. *Psychol Behav Sci Int J* 1(3): PBSIJ.MS.ID.555562 (2016)

**Mukhopadhyay, A. K.** Systems Psyche: Its Structure, Operation and possible Molecular *Psychol Behav Sci Int J* 1(3): PBSIJ.MS.ID.555562 (2016).

**Mukhopadhyay, A.K.** Emerging Pattern in the Complexity; Their Organization in Systems Science. *Int. Journal of Applied Sciences and Engineering Research*, 5 (3), pp. 208-234, (2016).

**Mukhopadhyay, A.K.** Neural Fabrics of the Mind: Systems Neuroscience, Systems Psychology and Consciousness. *Ann Psychiatry Ment Health* **3(7):1049 (2015)**

**Mukhopadhyay, A.K. (2015).** The Outline of Systems Engineering for Developing a Conscious Ware. *International Journal of Emerging Trends in Electrical and Electronics* 11(5), pp. 25-33 (2015).

**Mukhopadhyay, A.K.** Systems Cell: a Testable Model for Systems Holism *International Archives of Medicine* (2015), 8, (104), pp. 1-10 (2015).

**Mukhopadhyay, A.K.** On Some Essential Requirements for a Fruitful Consciousness Research. *Psychology Research*, 4 (2), pp. 75-93 (2014)

**Mukhopadhyay, A. K.** Non-observable Influential(s) in the domain of Consciousness. *Psychology Research* 3, (11) pp. 637-652 (2013).

<http://akmukhopadhyayconsciousness.com/latestnews.aspx?id=2>