

## The Frontiers of the Science of Cognitive Neuro Science and the Futuristic Vision

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**Abstract:** Technology and engineering science of cognitive neuro science are today in the path of newer scientific ingenuity and divination. Cognitive neuroscience today stands in the middle of deep scientific fortitude and forbearance. The author is a schizophrenic patient since 1993. Long years of agony and pain passed away since 1993. Today after COVID 19, he is suffering from numerous illness and glaucoma in his both eyes. Today medical science has no answers towards the treatment and cure of schizophrenia. Glaucoma in one's eyes are also untreatable. Cognitive neuroscience has a larger vision towards a better tomorrow. The author in this article deeply stresses on the interface of treatment of schizophrenia and cognitive neuroscience. Cognitive neuroscience and the science of psychology and psychiatry are interlinked with each other. This article is a deep message towards all the sufferers of this untreatable illness. Surely a newer dawn of human civilization will emerge if doctors, physicians and scientists across the world takes effective steps in the invention of newer and effective medicines of the ailment of schizophrenia.

**Keywords:** Biomedical, Science, Schizophrenia, Ailment, Illness, Years, Vision, Struggle, Ardour.

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### 1.0 INTRODUCTION

Science, vision and mankind are today in the path of newer scientific divination and scientific revelation. The scientific steadfastness of the science of schizophrenia needs to be re-envisioned with the passage of scientific history and time. Neuro cognitive science today needs to be integrated with diverse areas of medical science and biomedical science. In the similar vision cognitive neuroscience is in the path of newer divination and ingenuity. Today there is no proper treatment and cure of schizophrenia. The author was diagnosed with schizophrenia in November, 1993. Long years have passed since then. He is today replete with immense agony, pain and ardor. Over the last 30 years he has suffered so much in life. He is administered with Clozapine since 1998. Again in 2012 he was diagnosed with glaucoma in his both eyes. He went for laser operation in his both eyes in November, 2012. After COVID-19, he has fallen ill seriously and is administered with a higher dosage of Clozapine. He has auditory hallucination and visual hallucination since November, 1993. Cognitive neuroscience and its

futuristic vision are the only needs of the hour. Today medical science and biomedical science are witnessing immense and drastic challenges. In the case study of the author, future is absolutely bleak and dark. In the early years of his diagnosis, he was beset with numerous health issues and left jobs one after another. Only in the last 15 years he was doing proper jobs and taking medicines regularly. He is a Chemical Engineer by training and profession. From July, 2012, he was teaching graduate and postgraduate students in Chemical Engineering in a reputed university in North India. He is today out of employment since May, 2023. In spite of his illness he is experienced in teaching, research and development and chemical industry. Scientific vision, deep engineering vision and scientific provenance are the pillars of cognitive neuroscience today. Cognitive neuroscience is intertwined with the science of psychiatry and the science of psychology. The initial years of the author since 1993, he had relapses one after another. Today is the era of United Nations Sustainable Development Goals and Fourth Industrial Revolution. The science of psychology, psychiatry and biomedical science needs to

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be re-envisioned with the passage of deep scientific history and time. The author in article deeply reiterates the need of introspection in cognitive neuroscience in newer future. This article deeply elucidates and portrays the needs of neuro-psychiatry and cognitive neuroscience in the path towards scientific rejuvenation.

## **2.0 The Scientific Doctrine of Cognitive Neuro Science**

The scientific doctrine and the scientific vision of cognitive neuroscience today stands in the midst of deep scientific introspection and contemplation. Man and mankind today stands in the middle of a deep crevice of catastrophe and scientific ingenuity as regards treatment of schizophrenia. Cognitive science and neuroscience are today linked with each other by an unsevered umbilical chord. A deep scientific discernment and deep scientific forbearance are the absolute needs of the hour. Since he has a mental health problem, he was despised severely by relatives and friends. Thus there is an immense need of psychological counselling of the patients suffering from schizophrenia and other bi-polar disorders. With his immense willpower, the author is leading the path of life. He had tremendous auditory hallucinations since August 2020 just after lock-down. Today is the epoch of Fourth Industrial Revolution and Internet 3.0. Human well being is one of the pillars of United Nations and Global Sustainable Development Goals. Similarly, mitigation of poverty and hardship are the hallmarks of Sustainable Development Goals. Thus provision of basic health needs are the hallmarks of sustainable development today. In the similar vision, cognitive neuroscience will truly lead a long and visionary in unfolding the scientific and technological ardor of global research and development initiatives in the science of psychiatry and psychology [1-5].

## **3.0 A Deep and Vast Scientific Understanding, Vision, Capability, Cognitive Neuroscience and the Case Study of the author**

A deep and vast scientific capability and understanding in the field of cognitive neuroscience are the absolute needs of the hour. Psychological counselling of schizophrenia patients are the utmost needs of the hour. Civilization, man, mankind and science today stands in the midst of a deep gorge of ingenuity and deep comprehension. In 1994, when the author was first diagnosed with schizophrenia, no body came to help him apart from parents and sister. He is a graduate and postgraduate in Chemical Engineering from Jadavpur University, Kolkata, India. He was about to complete his postgraduation in Chemical Engineering when the illness struck him. Civilization and sustainable development are in the vast and varied avenues of scientific ingenuity, scientific grit and scientific determination. Socio-economic sustainability, environmental sustainability and energy resources sustainability are the utmost needs of the hour. The human civilization and the scientific stance of United Nations Sustainable Development

Goals needs to be re-envisioned and reorganized as man and mankind moves ahead. Cognitive neuro science stands in the middle of scientific forbearance and deep scientific fortitude. Today the author is replete with immense scientific and technological challenges. In this article, the author deeply stresses on the veritable needs of cognitive neuroscience in the futuristic emancipation of the science of psychiatry and psychology.

## **4.0 Initial Years and Initial Days of Severe Illness and Agony due to Schizophrenia and the Scientific Ingenuity and Forbearance of Schizophrenia**

Initial years and initial days of the author's illness was tremendous and those days are replete with scientific forbearance and scientific fortitude. In those years, he was beset with more agony than ever. He had continuous auditory hallucination. After August, 2020, his health condition deeply deteriorated. Today he has more auditory hallucination than ever. Just after passing out with postgraduation in Chemical Engineering from Jadavpur University, Kolkata, India in 1994, he was berserk and faced many health issues including auditory hallucination. In 1993, there was no proper medication for the treatment of schizophrenia. In April 1994, he got a chemical engineering job in New Delhi, India. The author started discontinuing medicines. He had frequent relapses. Again he left the job and came back to Kolkata in September, 1994. He again started discontinuing medicines. In September, 1996, he got a teaching job in BITS, Pilani, India. This discontinuing of medicines devastated his health. He came back to Kolkata again in February, 1997. In 1997, the author along with his parents went to NIMHANS, Bangalore, India a renowned psychiatric hospital in India. At that year he was prescribed with Clozapine. Till today, he is prescribed by doctors the medicine – Clozapine. Today medical science has no answers to the cure of Schizophrenia. From 1996 to 2006, he could not do any job and was helpless. With this illness he went to Queen's University, Belfast, United Kingdom in 2008 for research work in environmental engineering. In 2011 he went to Salalah College of Technology, Salalah, Oman for teaching undergraduate students core subjects of chemical engineering. In July, 2012, he joined a reputed university in Uttarakhand, India. In May, 2023 he was terminated from the job. Today his agony and pain trebled as he came back to Kolkata in December, 2023. Science of psychiatry and psychology today stands in the deep crevice of scientific forbearance and scientific fortitude. Scientific and technological vision has today no answers to the scientific challenges, scientific ardour and scientific ingenuity of difficult psychological illnesses. In his career he was handling difficult subjects of Chemical Engineering. Throughout the period 1996-2006, he was replete with immense ardour, agony and pain. Relatives and friends never looked after him. Patients with schizophrenia and other bi-polar disorders needs immense psychological counselling and help. But that is absent today. Today the

author is writhing in immense agony and frustration. Science and civilization today needs to be reframed and reorganized as regards the medical science of psychiatry and neuroscience. Surely a newer dawn of human civilization will evolve if scientists and doctors across the world takes active and positive steps towards the cure and treatment of schizophrenia and other bi-polar disorders [6-9].

### **5.0 Medical Science, Ability, Triumph and Innovation in the March of the Road of Psychiatry Towards a Better Tomorrow and Better Travails**

Medical science, triumph and innovation of science of psychology are today in the path of newer scientific rejuvenation. The triumph in the march of the road of psychiatry needs to be reframed and reorganized with the passage of global scientific history and time. In the similar vision, cognitive neuro science needs to be integrated with the science of psychiatry and the science of psychology. Scientific grit, determination and capability will surely and remarkably open newer doors of innovation and instinct in the global research and development initiatives in psychology science. The author is deeply suffering from schizophrenia since November, 1993. There is no fresh breath of life for the author. There is no light at the end of the tunnel. Everything is falling down before him like the house of cards. Today he is replete with more agony and auditory hallucination than before. After August, 2020, he is replete with much more health issues. Surely the author is yearning for a remarkable tomorrow when he will be free from this monstrous illness. That is the only wish of his life [6-9].

### **6.0 Futuristic thoughts and Futuristic Introspection in the Treatment of Bi-Polar Disorder and Schizophrenia**

Futuristic thoughts and futuristic introspection in the treatment of schizophrenia and other bi-polar disorders are the absolute needs of the hour. Medical science has today no answers to the treatment of schizophrenia. Bipolar disorder is an extremely incurable illness. The author is suffering from this illness since 1993. Many years of agony and pain has passed since then. Today is the era of United Nations and Global Sustainable Development Goals. Also there is a scientific and engineering regeneration in the implementation of Fourth Industrial Revolution and Internet 3.0. Thus the need of a deeper introspection and deeper comprehension in the field of human well being. Good healthcare system, mitigation of poverty and hardship are some of the pillars of Global Sustainable Development Goals. Surely, the author is hoping against hope that one day he will be free of this monstrous and incurable illness. At that time, a newer dawn in human

civilization will emerge in the distant scientific firmament.

### **7.0 CONCLUSION, VISION AND BIOMEDICAL PERSPECTIVES IN COGNITIVE NEUROSCIENCE**

Biomedical science perspectives in cognitive neuroscience today lies in the deep crevice of scientific girth and scientific reimagination. Cognitive neuroscience in the similar vision trudges forward towards a newer epoch of scientific understanding and scientific discernment. Cognitive neuroscience will surely be the scientific order of the day tomorrow. The author is deeply suffering from schizophrenia since his postgraduation in chemical engineering, 1992-1994. Today at the age of 55 years, he is suffering terribly. There are today few medicines in the cure of schizophrenia. The author is hoping against hope that one day there will be light at the end of the tunnel. Cognitive neuroscience will be a veritable answer.

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