

**1<sup>st</sup> Annual Workshop**  
**on**  
**“Compendium of Science and Mathematics in Jainism”**

**Under the auspices of Bhagawan Mahavir International Center for Scientific Research  
and Social Innovative Studies**

**Two-Day Workshop**

On Oct. 2-3, 2014 with the official declaration of Bhagawan Mahavir International Research Center its first two-day workshop on “**Compendium on Science and Mathematics in Jainism**” was organized by the department of Jainology and Comparative Religion and Philosophy, JVBI, Ladnun. In the workshop, almost 50 Scholars from India and overseas participated. Almost 27 white papers on various topics were presented by different eminent scholars and scientists. The papers were invited for the final review and self-assessment to publish in the monograph of the center. The brief of the discussion on the papers is as follows:



As mentioned in the starting the inaugural session was started with the declaration by the Vice Chancellor and the vision and mission of the center by Dr. N.L. Kachhara. After the inaugural session there was a technical session with a small tea break. The first technical

session was chaired by Prof. Pratap Sanchetee and there were 7 speakers. Prof. Muni Mahendra Kumar focused on the connection between Neuroscience and Karma.

Prof. Sanchetee expressed his views on Mind, Brain and Consciousness. He said human being has three important qualities – thumb, speech and memory. Our brain has many functions but the speciality is its online monitoring and changes in plan.



Prof. S.S. Pokharna shared his thoughts on Syadvad and Anekantavad in the light of the modern scientific researches. The second technical session was arranged after the lunch. The



session was chaired by Dr. Rudi Jansma.

The paper on “Doctrine of Karma, Free Will and Transmigration: A Logical Approach” was presented by Dr. Subhash Jain. He explained in a very systematic and a logical way the theory of karma. He presented the formulas about how the intensity increases the duration of the karma. The work on “Ecological Considerations in Jainism and Modern Views” was discussed by Dr. Rudi Jansma. Muni Abhijit Kumar shared his views on “The Jain Concept of Gods: A Scientific Analysis”. The paper on “Karma, Body System, Genes and Human Performance” was dealt by Dr. N. L. Kachhara and Dr. Sohanraj Tater. Dr. Anupam Jain and Dr. R.S.Shah presented their thoughts on “Contribution of Jain Scholars in the Development of Mathematics”. In this way there were 6 papers in the session.



From evening 6:30 to 8 p.m. a discussion session was arranged. Each and every paper which were presented during the day were given 15 minutes. The session ended with good and sincere discussions.



Next day, on 3<sup>rd</sup> Oct, 2014, the 3<sup>rd</sup> technical session was started from 9:00 a.m. Dr. N.L. Kachhara chaired this session and 9 speakers presented their papers. Dr. S.S. Pokharna shared his views on “Exploration of General Systems Theory, Quantum Physics, General Theory of Relativity, Neurophysiology and Jainism”. The paper on “Mathematical Expressions in Anuyogadvara” was dealt by Sadhvi Dr. Rajul Prabha. Dr. Sadhvi Chaitanya Prabha presented her thoughts on “Jain Epistemology and Cognitive Science”. She presented the models regarding the process of cognition according to Jainism and cognitive science.

Samani Vinay Prajna explained the concept of Numerable, Innumerable and Infinite according to the canon Bhagavati. Her paper was on Mathematics in Bhagavati Sutra. “Jain and Other Systems of Yoga: Scientific Perspectives”, this paper was presented by co-author Dr. Sohanraj Tater and Dr. L.C. Jain. Dr. N.L. Kachhara spoke



on “Matter in Jain Philosophy and Modern Science”. He said the soul has the fruition of karmas due to four reasons: space, form of life, soul and matter (*ksetravipaki, bhavavipaki, jivavipaki and pudgalavipaki*).

The paper on “Scientific Exploration of the Existence of the Soul” was dealt by R. L. Munshi. The paper “Jain Epistemology and Modern Theories of Cognitions and Knowledge” was dealt by Dr. Viney Jain.



Many other papers were presented by various other scholars like Prof. Samani Chaitanya Prajna on “Laws of Nature: A Jain Perspective”, Dr. Kokila Shah on “Theory of Syadvad and Quantum Mechanics” and, Dr. Varsha Shah on “Evolution of Life from Jain Perspective”. The session was ended with the good discussion.



In the closing session, Prof. B.C. Lodha was invited as the Guest of Honour and Samani Charita Prajna, the VC, JVBI, was the Chair. In the beginning of the session, Dr. S.S. Pokharna presented his view about the future planning of the work of the center and gave his feedback about the workshop. He suggested to decentralize the work of the center with the help of the scholars working in different parts of India and abroad. There can be many branches of the center in various cities like Ahmedabad, Pune, Calcutta, Jamshedpur, etc. A website should be made and kept updated about the research work of the center. Decentralization will help connect all the concerned organizations and scholars with the center. Inclusive work can come out. Prof. Thomas Dafferen said that the Jains have contributed a lot to develop the concept of *ahimsa* (nonviolence) which has now become the crucial need of the time at present. To carry out scientific study of *ahimsa* there is dire need of a bigger team. For that many organizations, scientist, scholars and doctors can be associated with this centre.



Dr. N.L. Kachhara presented the report of the compendium of the workshop and suggestive guidelines for the White Papers presented in the compendium. Prof. SamaniChaitanyaPrajnapresented progress report of the center. She said the work on the first Chair “**Science and Mathematics in Jainism**” has already been started with the opening of the center and the work on the second Chair “**Jain Ethics, Environmental Science and Social Sciences**” would start soon. She invited long term and short individual and collective projects on various topics of scientific and mathematical studies in Jainism. She has also invited new social innovative study programs/courses to modernize and socialize Jain



principles and practices to create a better society and world. Prof. B.C. Lodha said Science cannot develop without Mathematics and Mathematics cannot develop without Science. There is *ekantavada* in Mathematics and even *ekantavad* is not separate from Anekantavad. Samani Charitra Prajna shared her thoughts, as “We all have to work together in order to make Jainism more pragmatic and logical”. As last Dr. Anil Dhar proposed a Vote of Thanks and Dr. Anand Prakasha Tripathi, the Director of

Distance Education, effectively convened the program. In this way the whole two-day workshop was a great success.