

# Tattvajījñāsā – Scientific and Spiritual Quest for Ultimate Reality

The eye-catching magazine of the Bhaktivedanta Institute

Accessible to all – Ideal for the young science students

Dr T. D. Singh, Founder

"Tattvajījñāsā guides the students in making the topmost scientific inquiry and spiritual advancement.

I heartily congratulate Dr T.D. Singh for bringing out Tattvajījñāsā for the students."

Prof. S. K. Dube, Director, IIT Kharagpur

"I am sure that the Tattvajījñāsā will inspire the student community to discover the meaning of life and commit them to build a better tomorrow."

Prof. P.B. Sharma, Principal, Delhi College of Engineering, Delhi

- ✓ Keep your mind healthy and young with these thought-provoking articles!
- ✓ Explore various facets of science and spirituality in a straightforward and easy-to-understand way.
- ✓ Gain realizations from illustrious researchers who are both scientists and religious practitioners, and very glad to be so!

The main contents (volume 1):

- Science, Spirituality and Synthetic Metals  
*A dialog with Prof. Alan G. MacDiarmid, Nobel Laureate in Chemistry, University of Pennsylvania, USA*
- Around the Campus: News for Students' Forums around the World (IITs, BITS, University of Illinois USA)
- Ordinary Faith, Ordinary Science  
*Prof. William D. Phillips, Nobel Laureate in Physics, University of Maryland, USA*
- Eternal Axioms - Dr T.D. Singh, Founder Director, Bhaktivedanta Institute
- Spiritual Transformation of a Mathematician – A True Story  
*Prof. Jagdish N. Srivastava, CNS Research Professor Emeritus, Colorado State University, USA*
- Man and Machine - Dr Abhishek Tiwari, University of Illinois, USA; Sushant Sharma, Arun Uday, Ajeet K. Mall, K. Vasudeva Rao
- Scientific Exploration for God: a Vedantic Perspective  
*Dr T.D. Singh, Founder Director, Bhaktivedanta Institute; Dr Sudipto Gosh, IIT Kharagpur, India*

How to bring about **creativity**, according to Nobel Laureate Alan G. MacDiarmid?

What qualities need to be developed in order to rise from being a simple technician to **becoming a researcher**?

**Plastics conducting electricity?** We have been taught that plastics, unlike metals, do not conduct electricity – otherwise they would not have been used as insulators in ordinary electrical cables. However, Alan G. MacDiarmid and two others shared the 2000 Nobel Prize in Chemistry for their revolutionary discovery that plastic can, after certain modifications, be made electrically conductive. What is the fairly simple principle behind this?

What amazing **animal** can generate **electricity** (up to several hundreds of volts), store it, and release it on demand?

How can a simple glass and a bottle of soft drink serve as a demonstration of the existence of a thermodynamically **unstable system**, which is not even supposed to exist?

"Many of the things we take for granted in modern life (consumer electronics, for example) only exist because scientists and engineers have understood the peculiar aspects of **quantum physics** and made devices that rely on them." Learn more on this subject, from Nobel Laureate William D. Phillips!

"My scientific understanding supports my **faith**." ... "There is no reason to believe there is one and only one way to look at life." Read more!

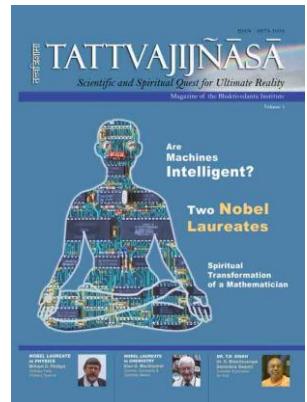
How to become able to perceive and understand the **Ultimate Reality**, or God?

How can **mathematical equations** help a mathematician develop a genuine appreciation for spirituality and a faith in God?

**Computers** can now beat the world's best chess players. They have entered into every nook and corner of our life, from washing machines to navigational systems that direct satellites thousands of miles from Earth. However, we still can't get them to think like a 5-year old child. **Why?**

What are the different ways of **acquiring scientific knowledge about God**? How much can we know about God by our own intellectual efforts?

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