

Life, Matter, and their Interactions

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As recently listed by illustrious science journals (*New Scientist*, *Science*) and discussed among the top scientists in the world*, here are some of the most prominent unanswered questions:

What is life? How did life begin? Are we still evolving?

* For example during the Symposium "Exploring the Great Unknowns", hosted by the **University of California, Berkeley**, and administered by the Metanexus Institute, 6-8 October 2005, with more than 900 people attending, and presentations by some 50 top physicists and researchers – including **20 Nobel Prize Laureates**.

- Is life an outcome of the evolution of matter, or is it a fundamentally different entity altogether?
 - How do we explain consciousness, free will, love, purpose, beauty, etc., which seem to be beyond the mere interaction of biomolecules?
 - On the other hand, if life is beyond matter, in what ways does it interact with matter, and what laws does it follow?
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- ✓ This book will provide you with a **practical overview** of the most important research work and discoveries of the last decades, in **biology** and **biochemistry**, exploring life and its origin. **A concise and intelligible synthesis!**
 - ✓ Will enable you to see the **weaknesses in some of the present scientific demonstrations**, so as to positively try other directions. A good training for relying on your own intelligence and insight.
 - ✓ Will pleasantly surprise you with the simple yet most **valuable alternative approach and conclusions** extracted from the **Vedanta**.
 - ✓ Will encouragingly **convince all sincere seekers** of the truth, including the most **materialistically minded** people. Help your friends and relatives realize that physical matter is not the only reality! Offer them this book!

Contents:

1. Introduction
2. Chemistry and life: is the DNA molecule life?
3. From DNA to genome: is genome life?
4. Chemical evolution: a molecular concept of life
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9. The axioms of life and matter
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"An **enormous gulf** lies between the few simple chemical facts known as DNA and the actual functioning of a cell." Let's closely examine this...

"It is quite possible ... that **other laws are involved** in the operation of cells **that are unknown to modern chemistry**." Feel enthused to start researching on this promising subject!

What is, in brief, the theory behind **PCR** (polymerase chain reaction)?

"Many people think that by **cloning** we can have a kind of biological Xeroxing. **But...**" Read more!

"There is in sophisticated editing of genetic sequences, a wide range of hormonal effects, and numerous other phenomena that **radically contradict simple, linear models of gene expression**." Go deeper and farther than the knowledge presented in biology textbooks!

What can be "the factors in the emergence of so many **new, highly virulent disease pathogens** in recent years, many of which are simultaneously resistant to several different antibiotics"?

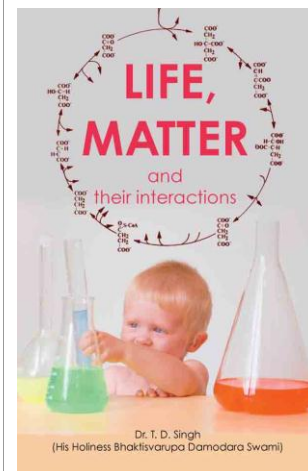
"What is the molecular operation that makes us feel joy upon seeing a close friend or relative after a long time, or sad when losing a near and dear one? ... We encounter **marvels of life** at so many levels, and the theorists of evolution cannot even think of touching these points." Let's have a delightful glimpse into the marvels of life...

"The **interaction of life with matter** ultimately depends upon..." Upon what? Discover it in this book!

"This interaction cannot be completely described in quantitative terms, but it can be **understood and investigated**." How? With which instruments?

What are the **alternative scientific viewpoints**, from the **Vedanta**, that can enable researchers to fill the gaps left by the modern scientific approach?

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