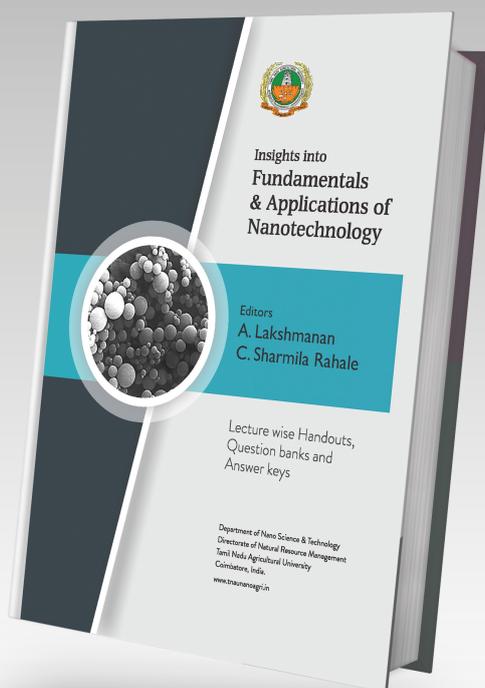


Text Book on Insights into Fundamentals & Applications of Nanotechnology



Editors

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**Lecture wise Handouts
Question banks and
Answer keys**

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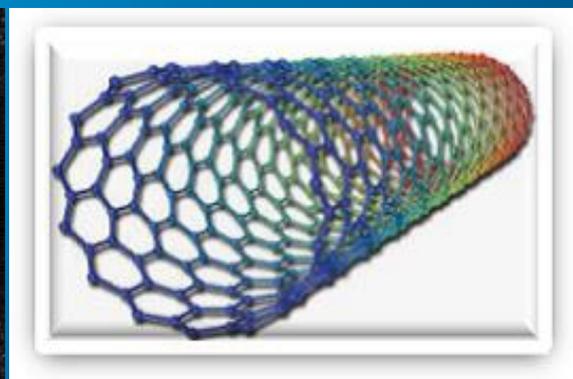


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of nano systems

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- Nanomaterials – Semiconductor – Diode – Quantum Dots - Buckyball - CNT- characteristics – Applications
- Polymers - Types – PLGA – Coreshell nanoparticles - Micelles - characteristics – Applications
- Biosensors – Principle, Components, Types, Applications
- Physical synthesis of nano materials
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- Applications of nanotechnology in Agriculture - Nanofertilizers
- Applications of nanotechnology in Agriculture - Nano herbicides/Nano pesticides
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- Applications of nanotechnology in Energy
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Foreword from Dr. N. Kumar, Vice Chancellor, TNAU

"To make the process of teaching and learning more effective and informative, the Department of Nano Science and Technology has come out with a text book entitled "Insights into Fundamentals and Application of Nano technology".

The course syllabus has been compiled in to 16 lectures in a lucid way with lot of illustrations and photos that would certainly make the process of learning a joyful one to students. The later part of the book has question banks with answer keys that can sensitize and prepare the students to face the examinations with confidence.

I congratulate and appreciate all the contributing scientists and the Editors of this book for compiling the course syllabus in a coherent, eloquent and simple way for the benefit of under graduate students of various degree programs"

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