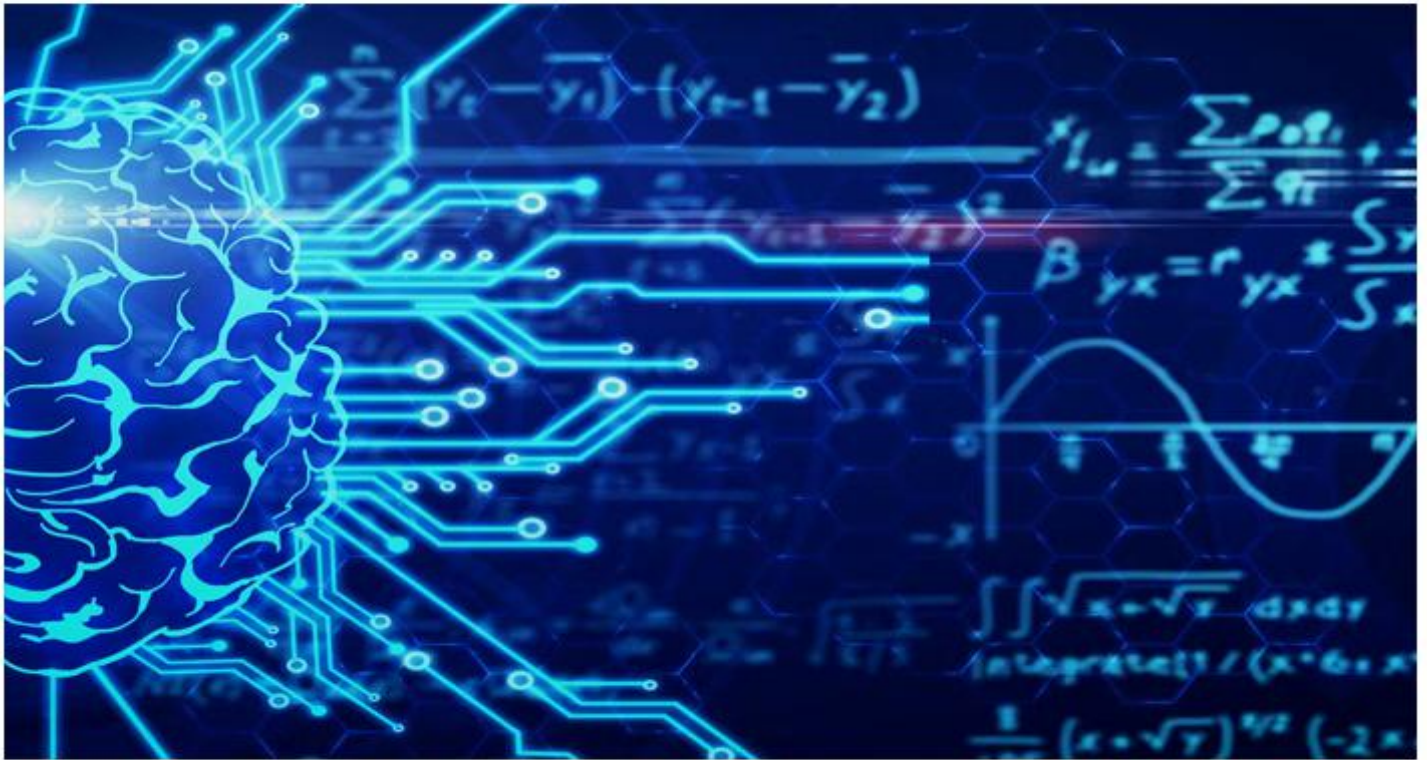# Call for Book Chapters/Research Papers for Edited Book

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Futuristic Trends in Mathematical Sciences

Series Editor

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Call for Chapters
Futuristic Trends in Mathematical Sciences

Aim & Scope

☐ Give the reader a sufficient knowledge and history of integral transform methods, fundamental principles and clear perception of the power of integral transform ideas.
☐ Reader should know how to use integral transforms for solving models and interpretating.
☐ Enable readers to develop a positive attitude towards integral transform as an interesting and valuable subject to study.
☐ Enhancing students development and to equip them with problem solving skills , creative talent and power of communication.
☐ A reader be able to apply their skills and knowledge in order to solve mathematical models and draw relevant conclusion.
☐ A reader should gain good knowledge on fundamental principles and concept of integral transforms and be able to compute with applications of integral transforms in the field of Industry, Engineering, Biology, Ecology, Environmental Sciences , Health Sciences, etc.
☐ A reader should be capable of understanding suitable integral transform method while solving real life problems and be able to draw valid conclusion.
☐ This book is useful for students learning mathematics for UG and PG levels in various universities.
☐ It is useful for Engineering faculty.
☐ Useful for researchers doing research in various fields where integral transforms can be used.

This book is for the students who are studying integral transform and applications in various fields. This book contain four sections.

1. Fourier transform
2. Laplace transform
3. Kushare transform
4. Soham transform
Each section contain following chapters.

Unit 1 Fourier transform contains five chapters
1. Introduction and History of Integral Transform.
2. Fourier Transform
3. Fourier sine and Fourier cosine Transform
4. Applications of Fourier Transform
5. Fourier Transform in Fractional Calculus

Unit 2 Laplace transform contains five chapters
6. The Laplace Transform
7. Some Special Functions and Laplace transform
8. Inverse Laplace transform
9. Convolution theorem
10. Applications of Laplace transform.

Unit 3 Kushare transform contains five chapters
11. Kushare Transform
12. Convolution Theorem
13. Applications of Kushare Transform
14. Double Kushare Transform
15. Applications of Double Kushare Transform

Unit 4 Soham transform contains five chapters
16. Soham Transform
17. Convolution Theorem
18. Applications of Soham Transform
19. Double Soham Transform
20. Applications of Double Soham Transform

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