



3.3.2. NUMBER OF BOOKS AND CHAPTERS IN EDITED VOLUMES/BOOKS PUBLISHED AND PAPERS PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCE PROCEEDINGS PER TEACHER DURING THE YEAR

| NAMES OF THE AUTHORS |
|----------------------|
| DR. MADHAVI JOSHI |
| DR. MADHAVI JOSHI |
| MS. SHIVANI VAID |
| MR. MANU MAHAJAN |
| DR. SHWETA THAKUR |
| DR. ANUPAMA TANDON |

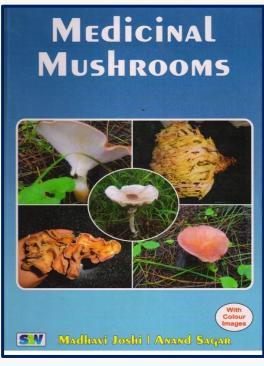


1. Dr. Madhavi Joshi- Department of Botany

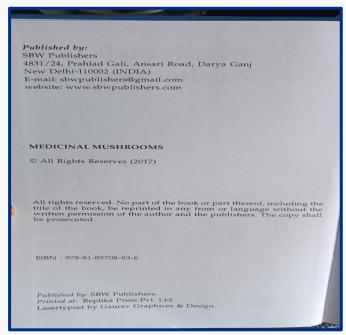
Title of Book: Medicinal Mushrooms

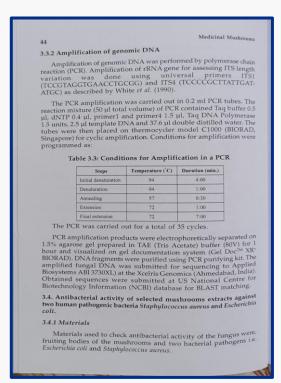
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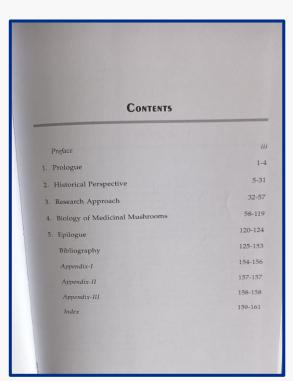
ISBN: 976-61-85706-63-6











Book Published by Dr. Madhavi Joshi



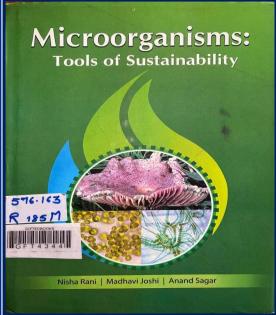
2. Dr. Madhavi Joshi- Department of Botany

Title of Book: Microorganisms: Tool of Sustainability

Year: 2017-18

ISBN: 978-81-211-0950-5







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P. fluorescens, P. solanacearum, P. syringae, Serratia entomophila, Streptomyces griseoviridis, S. lydicus and various Phizobia spp. However, PGPB inoculated crops represent only a small fraction of current worldwide agricultural practice.

4.2. Plant growth promoting fungi (PGPF)

4.2. Plant growth promoting fungi (PGPF)
While most studies have focused on the interaction between rhizosphere bacteria and plant roots, little is known about the plant growth promoting fungi (PGPF) and molecular mechanisms of response of resistance offered by PGPF. The beneficial effects of certain rhizosphere fungi in terms of plant growth promotion and biological control has been reported by many researchers (Windham et al. 1986; Hall, 1987; Baker, 1991; Narita and Suzuki, 1991). Trichoderma harzianum, Piriformosporal indica, yeasts like Saccharomyces cerevesiae, Rhodotorula mucilagina are the most common PGFF (Boby et al. 2008). PGPF are nonpathogenic saprophytes and are reported to suppress fungal and bacterial diseases in a number of crop plants (Shivanna et al. 1996; Koike et al. 2001; Chandanie et al. 2006). Fungi have the advantage over bacterial inoculants in that they are generally more effective at spreading through the soil and rhizosphere. Colonization of roots with PGPF can also lead to systemic resistance in distal parts of the plant (Meera, 1995; Munoz et al. 2008). Only a few studies of signaling pathways during PGPF-mediated induced systemic resistance, using Tichoderma sp. have been performed (Shoresh, 2005). The PGFP Phorna sp., which generally does not sporulate under natural conditions, has been found to improve plant growth, suppress plant pathogens and induce systemic resistance (Hyakumachi and Kubota. 2004). The mechanisms involved in plant growth promotion by fungi are competition with fungal pathogens, antibiotic production and elicitation of defense responses. In addition, many plant beneficial fungi are able to parasitize spores, sclerotia or hyphae of pathogenic fungi, resulting in biocontrol. Tirchoderma species belong to a class of free living fungi beneficial topsi are able to parasitize spores, sclerotia or hyphae of pathogenic fungi, resulting in biocontrol. Tirchoderma strains are able to colonize and grow in association with plant roots and significantly

4.3. Plant Growth Promoting Algae

Since investigations on the ecology of soil algae have shown that this microbial group constitutes an important component of the soil biota, the evaluation of the role played by microalgae in soil economy and plant growth has caused a lively

Book Published by Dr. Madhavi Joshi

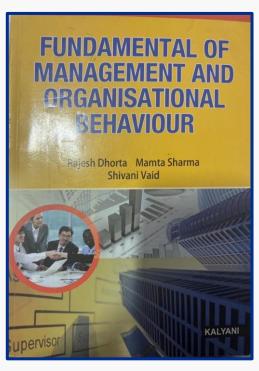


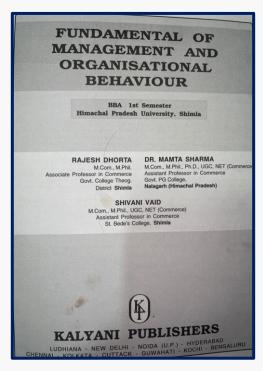
3. Ms. Shivani Vaid - Department of Commerce

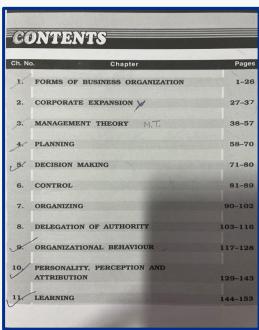
Title of Book: Fundamental of Management and Organizational Behavior

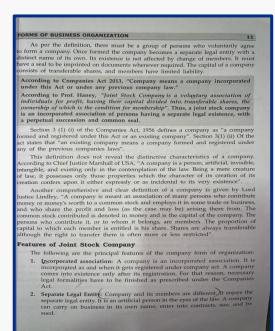
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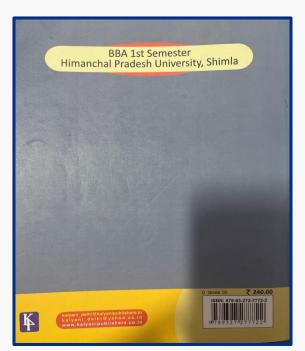
ISBN: 978-93-272-7772-2











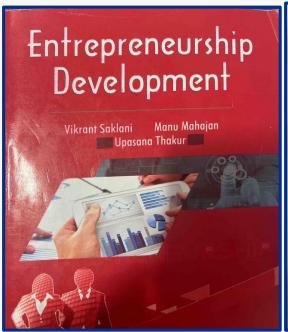
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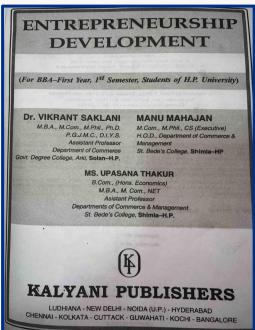


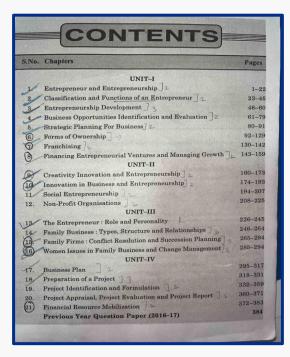
4. Mr. Manu Mahajan - Department of Commerce Title of Book: Entrepreneurship Development

Year: 2017-18

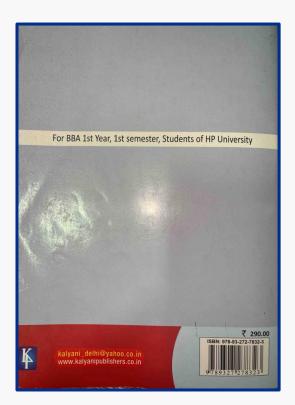
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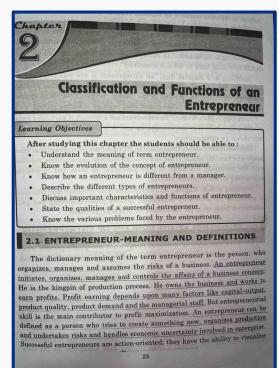






Book Published by Mr. Manu Mahajan





Book Published by Mr. Manu Mahajan

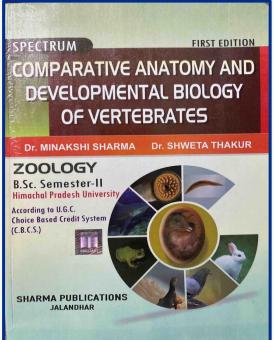


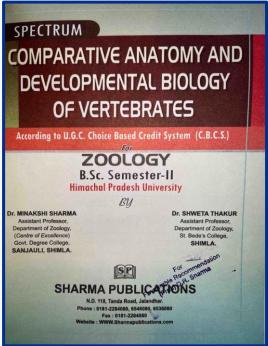
5. Dr. Shweta Thakur - Department of Zoology

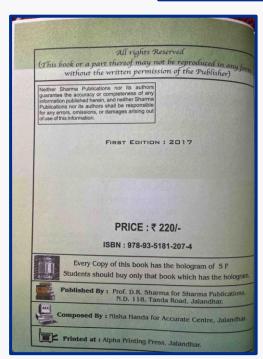
Title of Book: Comparative Anatomy and Developmental Biology of Vertebrates

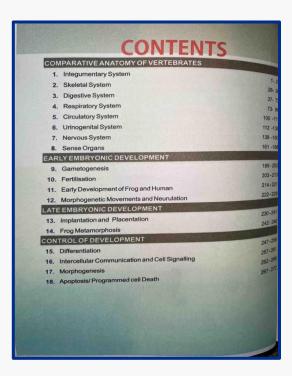
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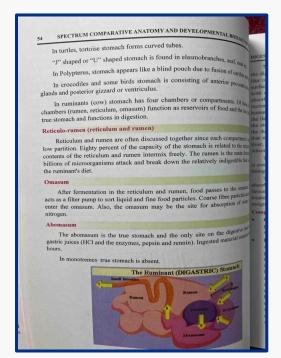
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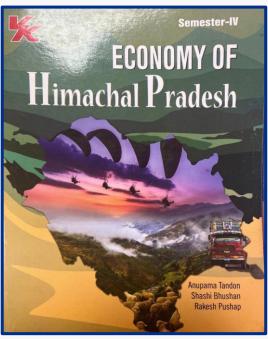


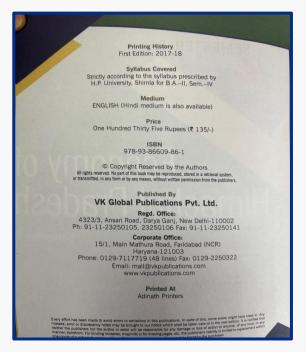
6. Dr. Anupama Tandon - Department of Economics

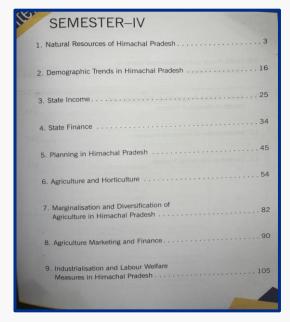
Title of Book: Economy of Himachal Pradesh

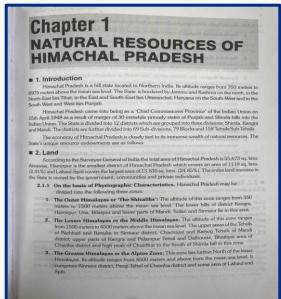
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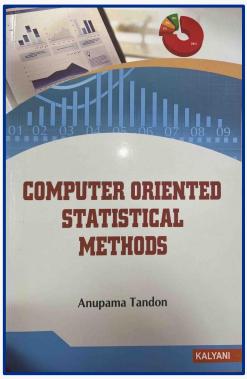
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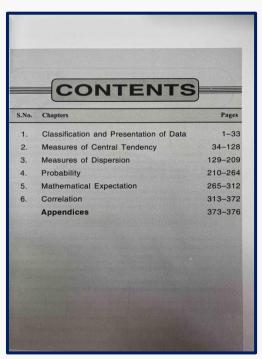
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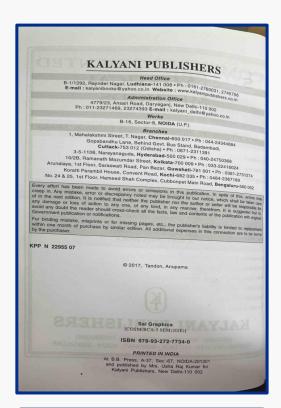
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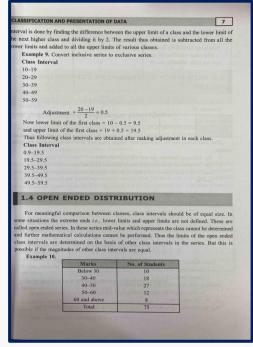
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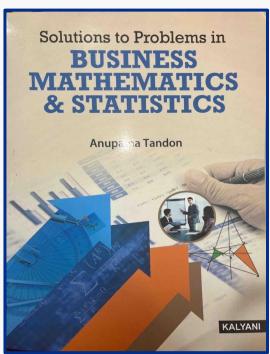


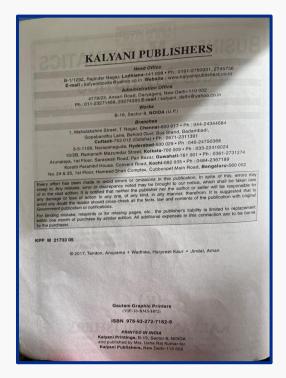
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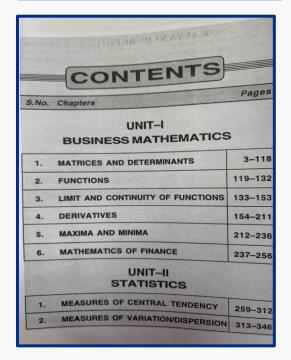
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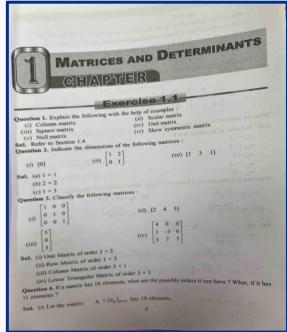
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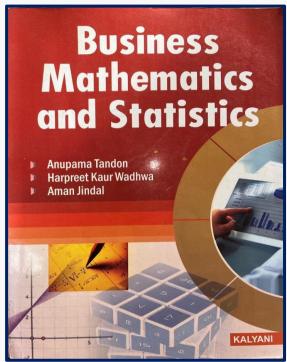
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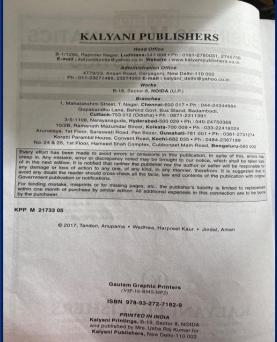


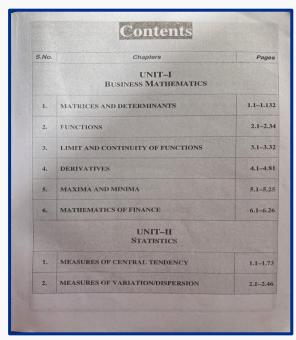
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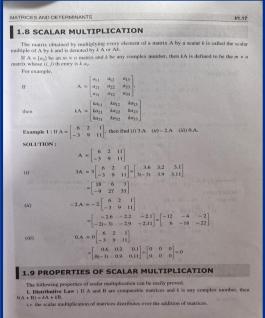
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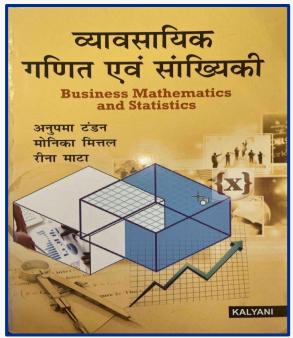


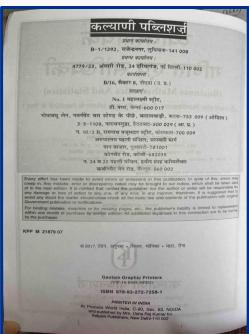
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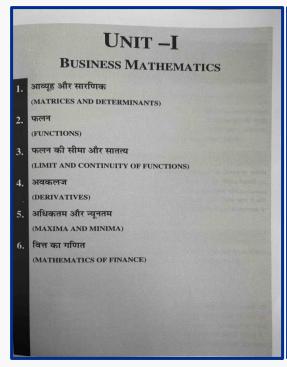
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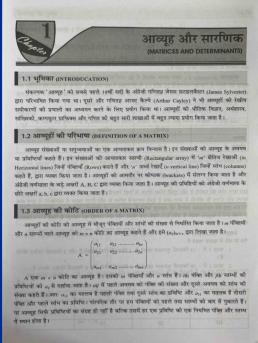
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