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Self Study Report: 2024 (4th Cycle)



Criterion – 3
Research, Innovation and Extension

Key Indicator 3.3- Research Publication and Awards

Metric: 3.3.2 (QnM)

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years



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Self Study Report: 2024 (4th Cycle)

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1. Title: Elements of Knowledge Management

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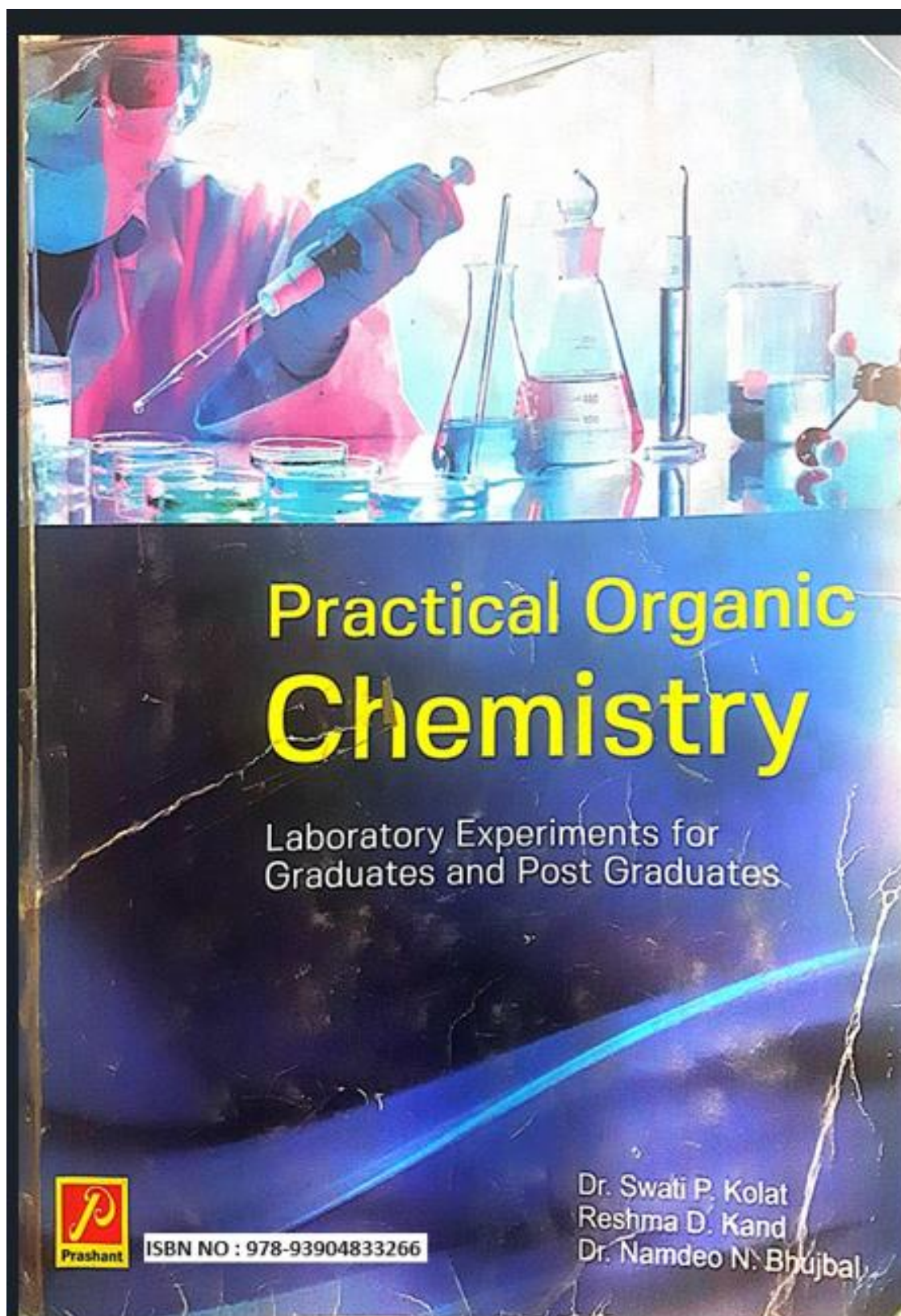
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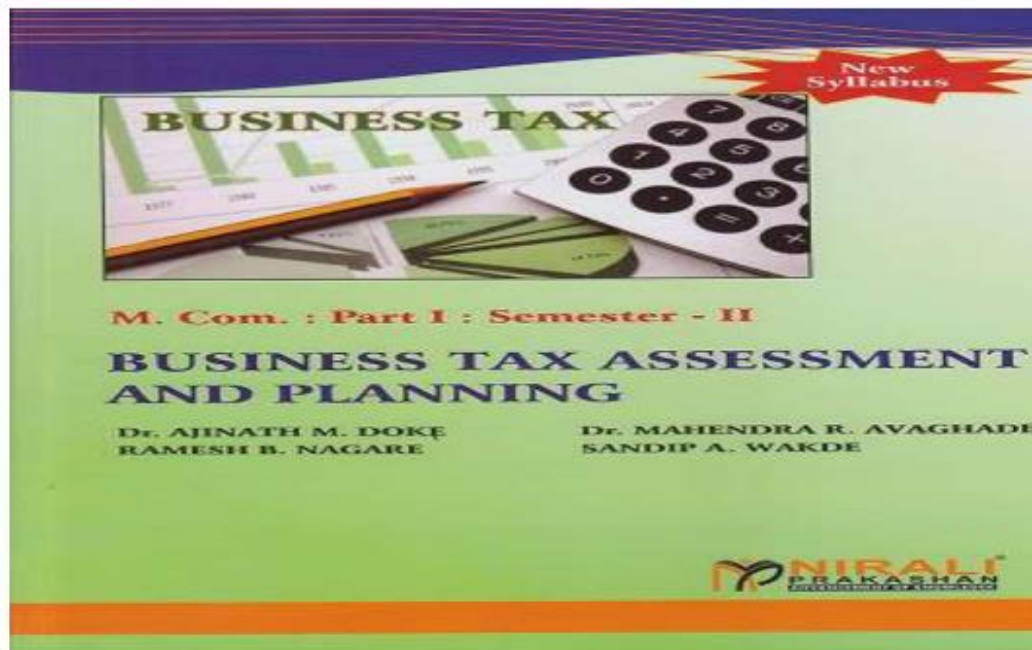
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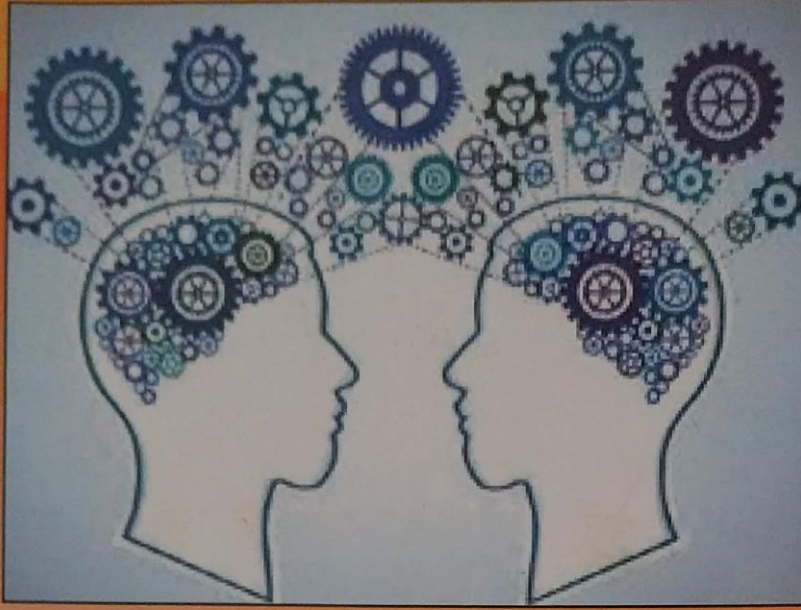
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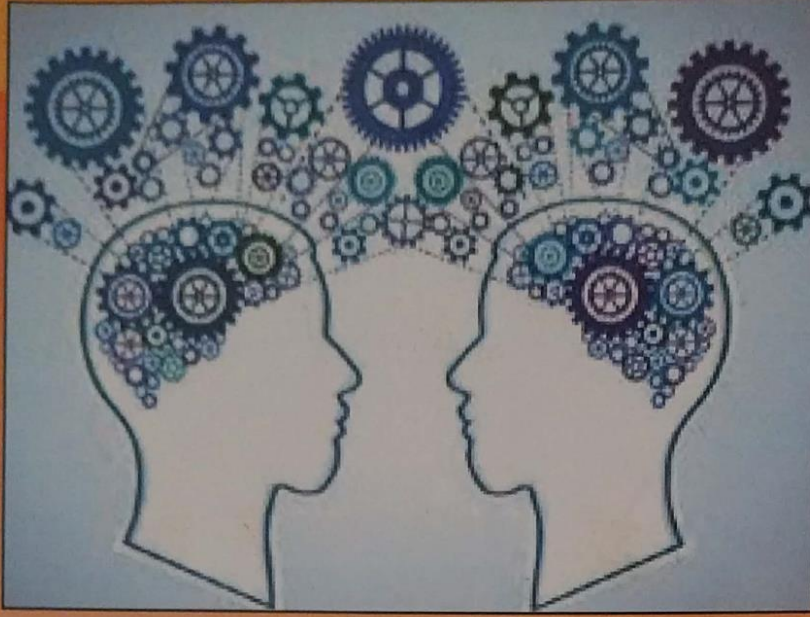
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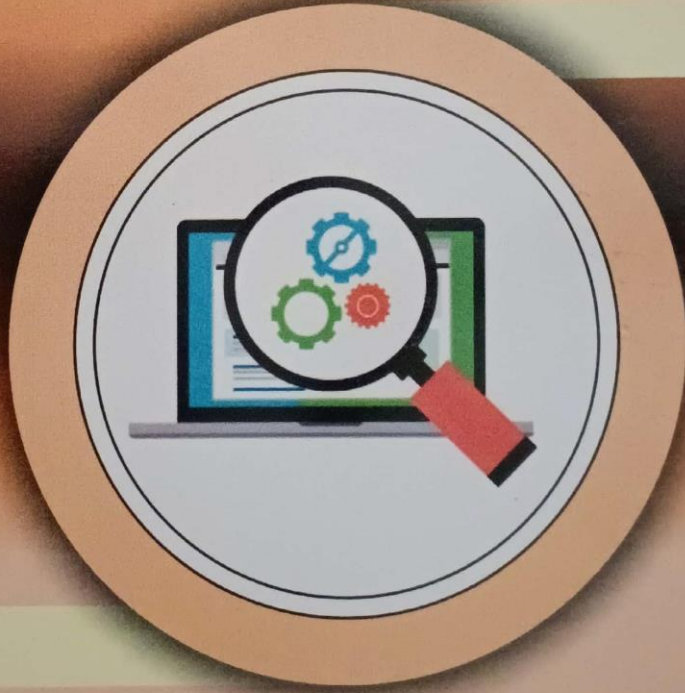
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10. Title: Vyavsayik Sanshodhan Padhati

Author: Dr. Doke A. M.

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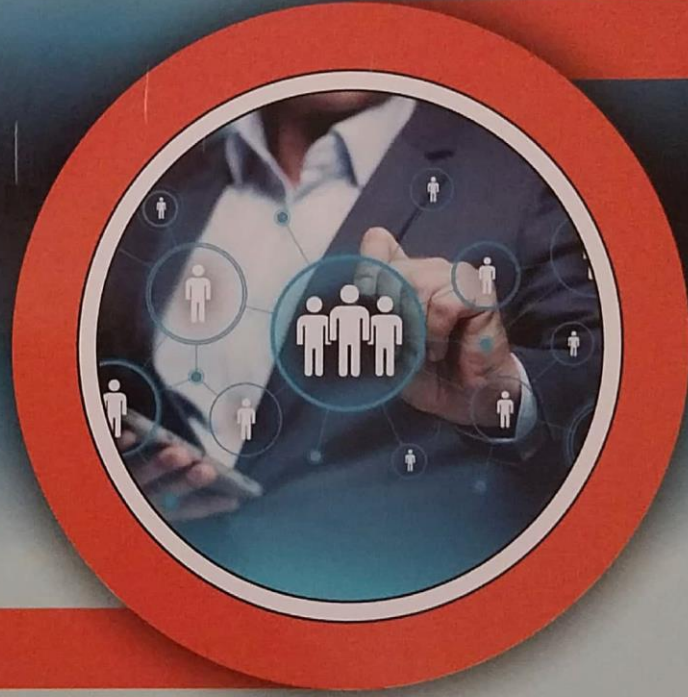
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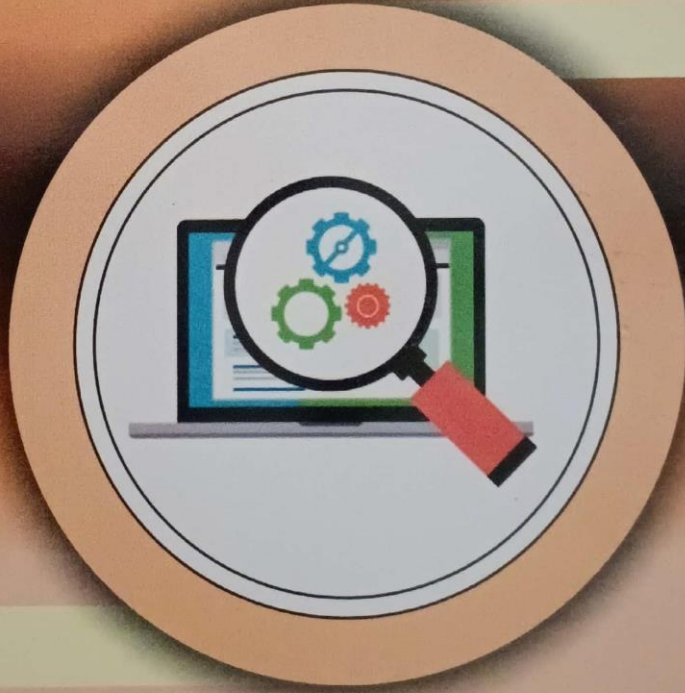
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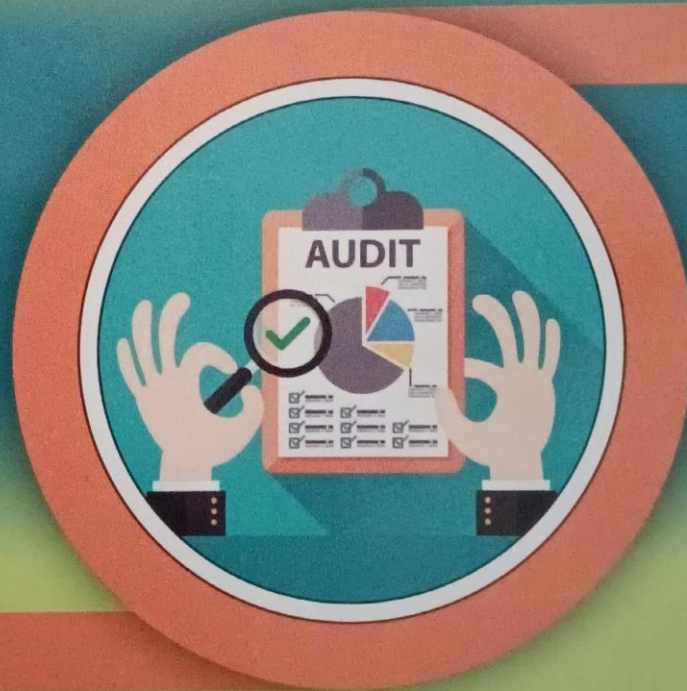
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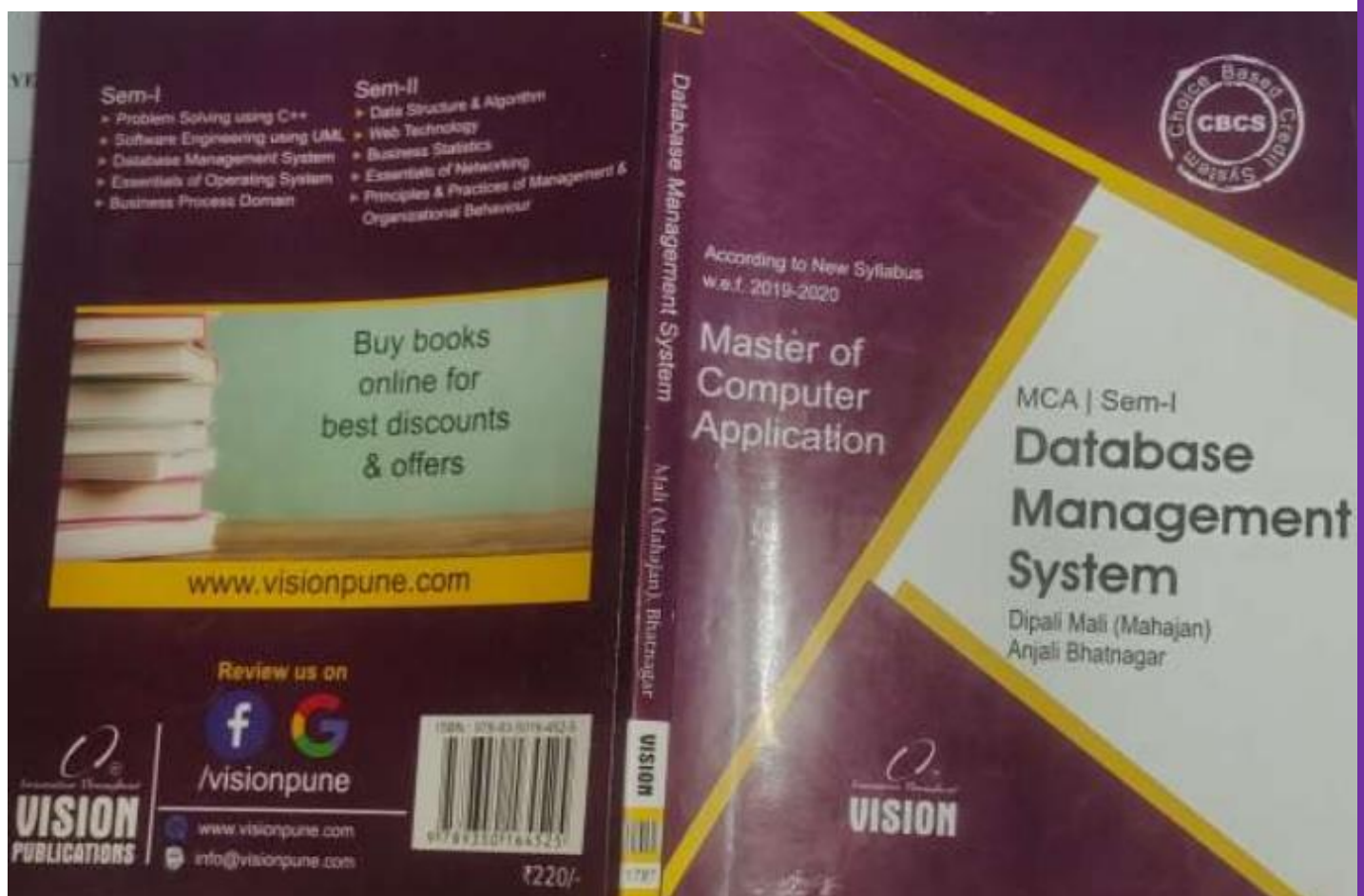
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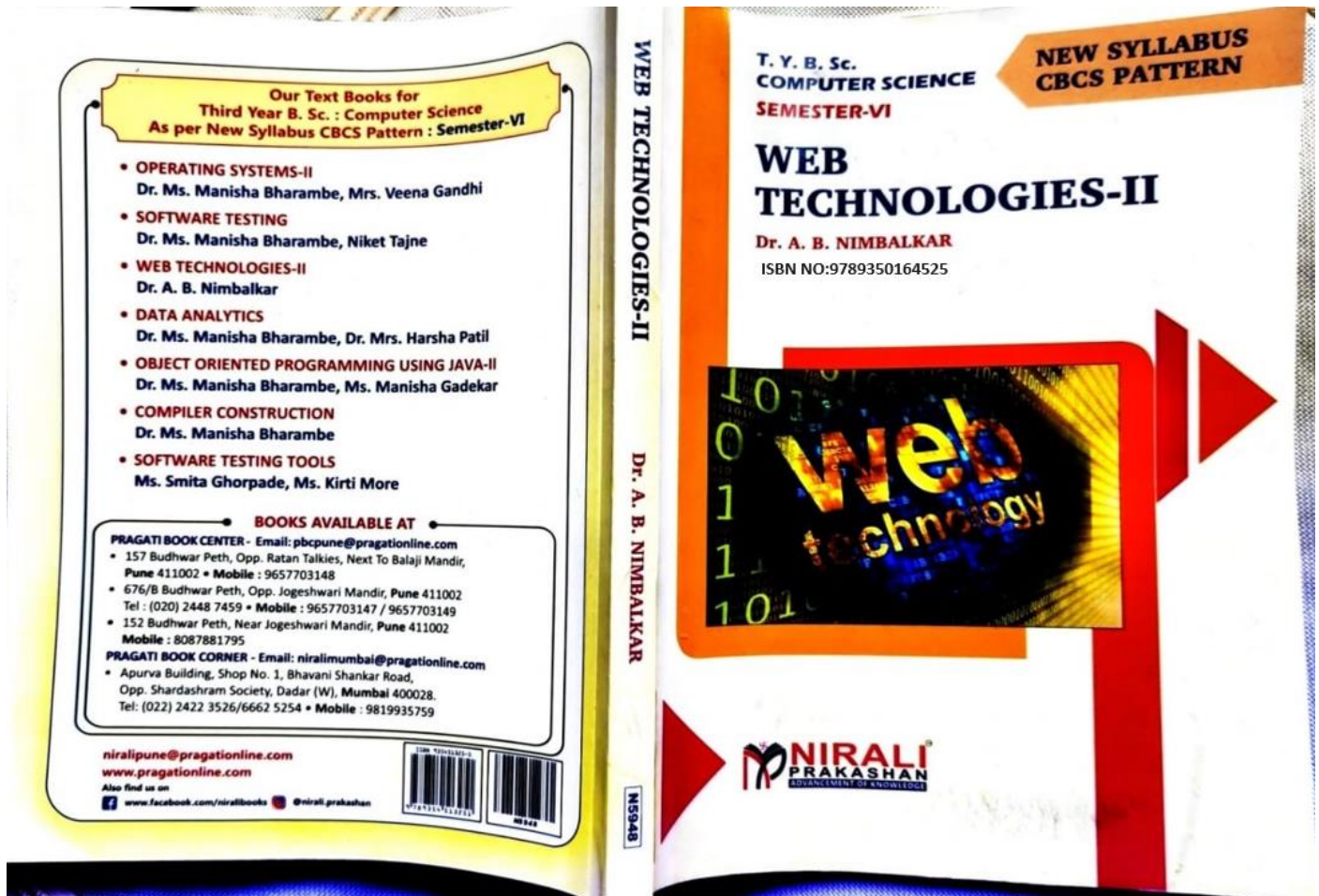


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18. Title: Rajarashree shahu Chatrapati ani Dr. Babasaheb Ambedkar Yancho Runanubandh

Author: Prof. Kamble S. M.

राजर्षी शाहू छत्रपती आणि डॉ. बाबासाहेब आंबेडकर यांचा ऋणानुबंध

प्रा. सागर मा. कांबळे

प्रस्तावना

भारताला सामाजिक चळवळींचा मोठा इतिहास आहे. सामाजिक रूढीविरोधात समाजसुधारकांनी बंड पुकारले आणि धर्म, जात यांच्यावर आधारित रूढी आणि विषमता यांच्या जोखडातून भारतीय समाजाची मान सोडवण्याचा प्रयत्न केला.

अवघ्या भारतविश्वात भगवान बुद्ध हा पहिला समाज क्रांतिकारक होता. ज्याने भारतीय समाजमनाला स्वातंत्र्य, समता आणि बंधुत्व यांची दीक्षा दिली. भारताचा इतिहास नुसता परकीय सत्ताधीशांच्या आक्रमणांपुरता मर्यादित नाही. तर तो क्रांती आणि प्रतिक्रांती यांचाही आहे. बुद्धाच्याकाळापासून सुरु झालेले समाजप्रबोधन आणि त्यातून समाज परिवर्तनाची लढाई अव्याहतपणे चालू आहे. या लढाईची सम्राट अशोकाचा नातू सम्राट बृहद्रथ यांच्या विश्वासघातकी हत्येने काहीशी पिछेहाट होऊन प्रतिक्रांती फोफावली, मात्र या मातीतला बुद्ध विचार मात्र त्यांना उपटून फेकता नाही आला. ती लढाई जगदज्योती महात्मा बसवेश्वरांच्या रूपाने पुन्हा दिप्तीमान झाली. महात्मा बसवणांनी आपल्या शिकवणीच्या माध्यमातून जातीसंस्था आणि तिच्याशी

राजर्षी शाहुंना समजून घेताना...! / ३६

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19. Title: Global Readings of Marginalised Class in English Literature

Author: Prof. More H. S.

National Conference on "Literature of Protest"

67. Global Readings of Marginalized Class in English Literature

Mr. More Hrishikesh Suresh
Asst. Professor, Dept. of English,
A. M. College, Hadapsar, Pune

Abstract

Dalit literature is the literature of the Dalits, by the Dalits and for the Dalits. Dalit literature emerged in the 1960s in the Marathi language, and it soon appeared in the Hindi, Kannada, Telugu, Bangla and Tamil languages, through narratives such as poems, short stories, and autobiographies, which stood out due to their stark portrayal of reality and the Dalit political scene. Dalit writing is a post-Independence literary phenomenon. The emergence of Dalit literature has a great historical significance. The causes and effects leading to the age-old existence of oppression and despair of the lives of marginalized class of nation's vast population are also observed in many other parts of the world.

Keywords: Dalit literature, Various Narratives, Reality, Marginalized class, Oppression, Post- Independence literary phenomenon

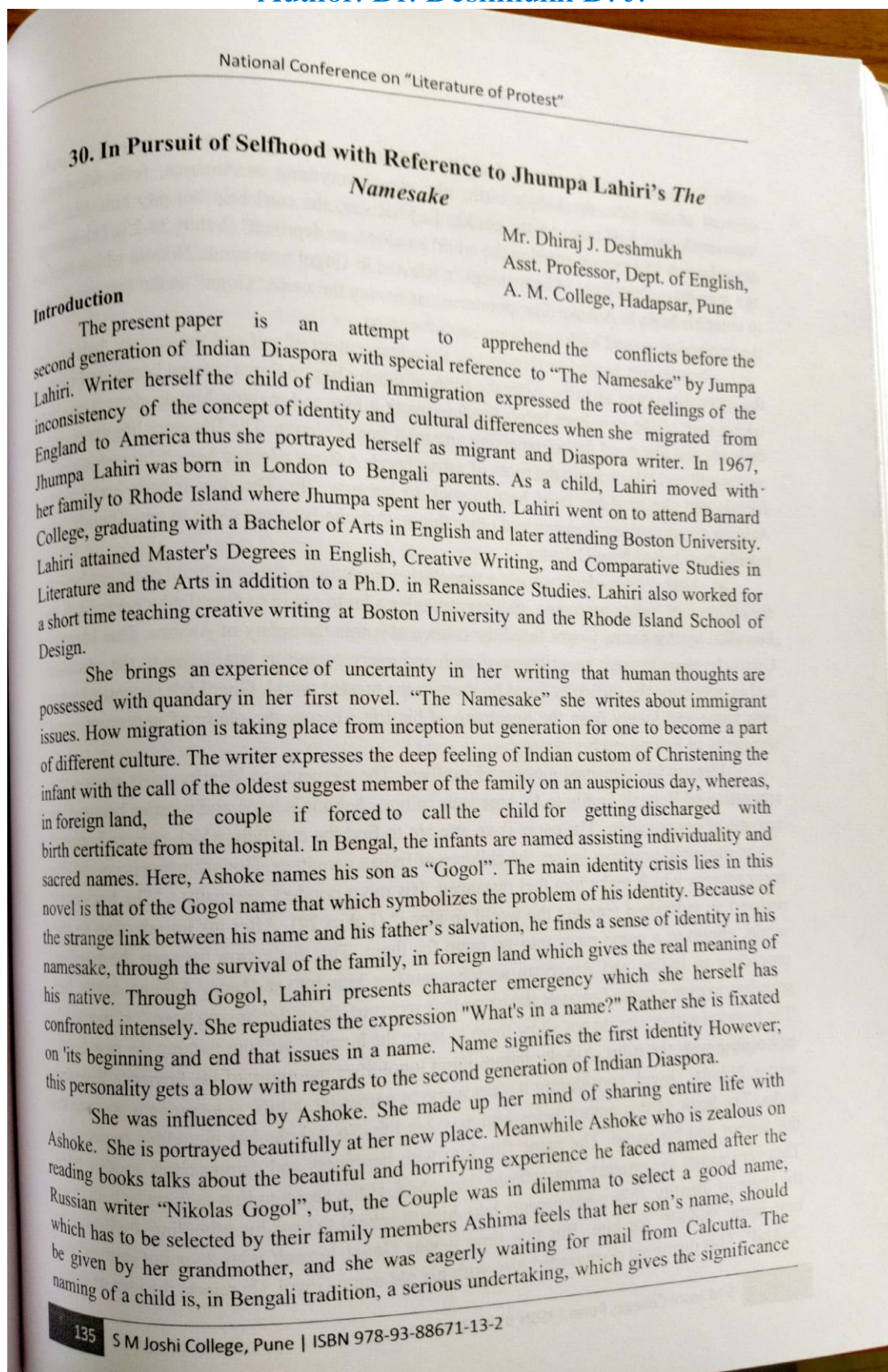
Significance of study of Marginalized class in present era

Concepts like 'race' and 'caste' are as old as the history of civilization. There are some grounds to compare and contrast in marginalized literature- one arising out of the 'literature of Slaves' and the other from the 'literature of untouchables'. It is also reflected in the Black American Writings for whom the history of slave hood is not illusionary or unreal. The liveliness and authenticity of their expressions are captured all across their writings. Shame, anger, sorrow and indomitable hope are the trademarks of this marginalized people and literature. As the world moves toward becoming a global village, some past experiences and lessons learnt become precious and crucial to understand the common sensitivity and sensibilities. This research paper is an attempt to provide a base for the common ground of discussion for the marginalization of various communities in two different parts of the world and some of the commonalities to deal with them in long run.

Contribution of Dr. Babasaheb Ambedkar

Dalit literature in pre-Ambedkar times and after the rise of Dr. Ambedkar marks a clear-cut two different identities. As N.D.Nalawade observes: — In the first place, even if there is an urge to free Dalits from the Hindu slavery and ask dalits to give up traditional way of life and in the second place to inspire the dalits to acquire the art of writing. Dr. Ambedkar is a phenomenon that has happened to the Dalits in India. The rise and life-time of Dr. Ambedkar was the real foundation period of the all-round rise and growth of Dalits in India. It has multi-marvelous facets which adorns the careers of present Dalit writers who are more fortunate because Dr. Ambedkar has to his credit a very rich and unprecedented golden

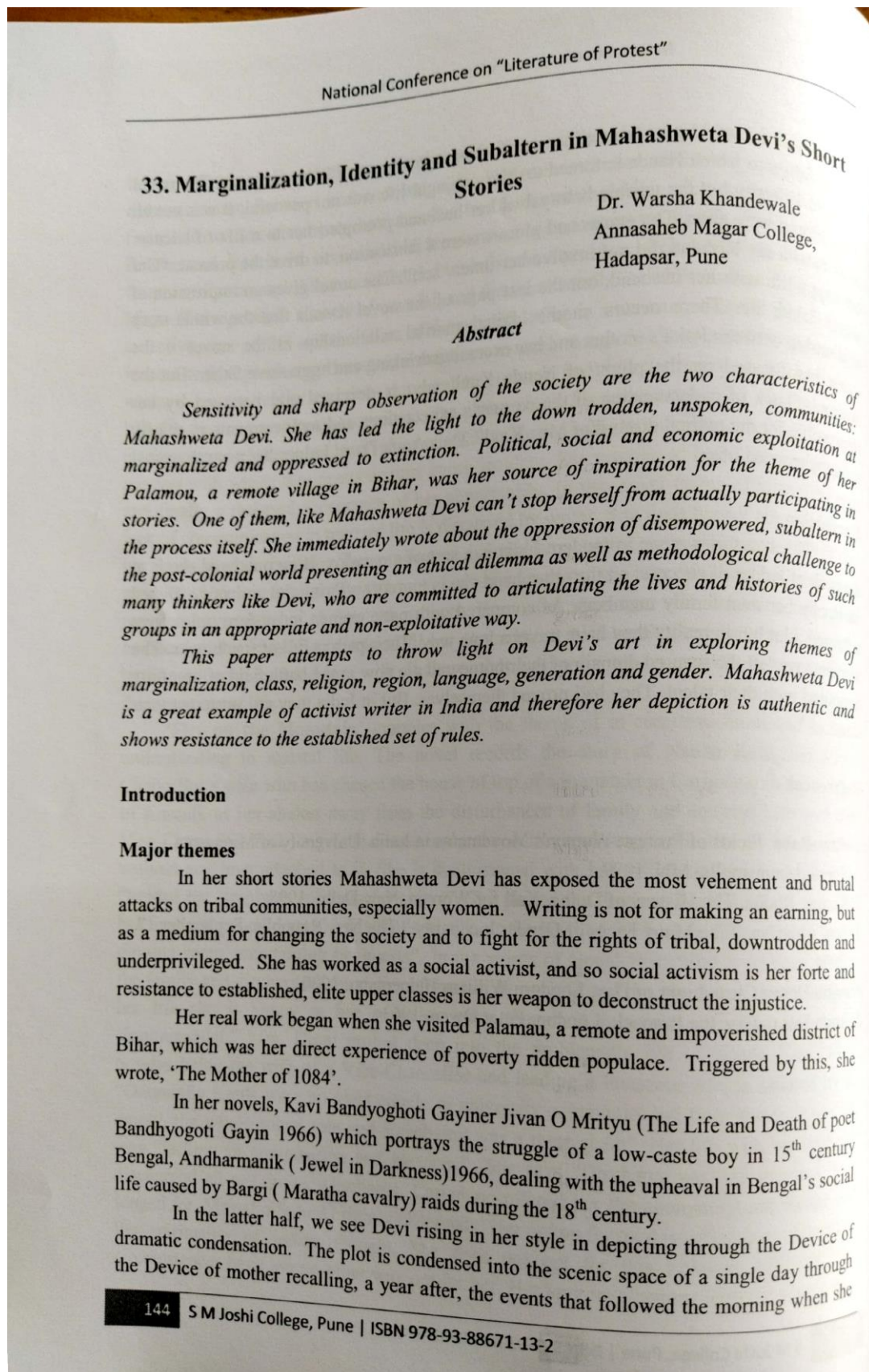
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21. Title: Marginalization, Identity and subaltern in Mahashweta Devi's Short Stories

Author: Dr. Khandewale W. S.



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22. Feminine Emotions in Kamala Das's Poetry

Author: Prof. Tengse S. R.

76. Feminine Emotions in Kamala Das's Poetry

Mr. Shivraj R. Tengse
Annasaheb Magar College, Pune

Abstract

Feminism is a study of female writers and their expressions, emotions, political thought, embedded in the socio-cultural and economic circumstances in a given milieu. Feminism as a movement began five hundred years ago when women saw and wrote what they felt. It formed a worldly format for women to come together or write in their own continents. World Women's groups were formed; writers united and pressed their demands, rights and privileges. All areas including literature were encompassed in this movement. So the researcher selected one of the foremost and aggressive, modern, feminist, progressive, learned Indian woman writes, Kamala Das. She played a pivotal role in bringing about the correct feminine, gendered writing of her own times.

Key Words: *Socio-cultural, pivotal, encompassed, movement, privileges, patriarchal, dominance, orthodox, controversia, etc.*

Introduction

Kamala Das, Malayalam pen name Madhavikutty, Muslim name Kamala Surayya, (born March 31, 1934, Thrissur, Malabar Coast [now in Kerala], British India—died May 31, 2009, Pune, India), Indian author who wrote openly and frankly about female sexual desire and the experience of being an Indian woman. Das was part of a generation of Indian writers whose work centered on personal rather than colonial experiences, and her short stories, poetry, memoirs, and essays brought her respect and notoriety in equal measures. Das wrote both in English (mostly poetry) and, under the pen name Madhavikutty, in the Malayalam language of southern India. Her mother Balamani Amma, was well-known Malayalam poetess, and her father V.M. Nair was well known Editor at Matrabhumi Newspaper. That is the important starting point for understanding Kamala Das, because she has certain kind of roots and her poetry speaks about those roots.

In Kamala Das's case there are some levels where she is not happy with what she is. One is the fact that she belongs to a very orthodox family and where caste and class prejudices are very strong and this means that society is unlikely to look very favorable at a woman who wants to express herself self very freely. She is mostly restricted to her household work and rearing of children but Kamala Das has gone beyond all these patriarchal shackles and built her own world. In Kamala Das's case that desire for self-expression took two forms,

1. Her desire to write poetry and fiction:

She wrote good part of her work in Malayalam but she also translated to English. She also wrote in English.

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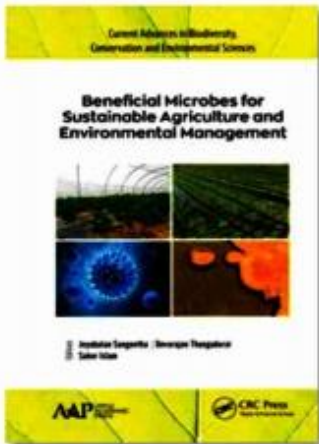
23. Title: Environmental Management of E-Waste by Biological Process

Author: Prof. Dr. Patil N. N.

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Environmental Management of E-Waste by Biological Process

By Aparna Gunjal, Meghmala Waghmode, Neha Patil, Neelu Nawani

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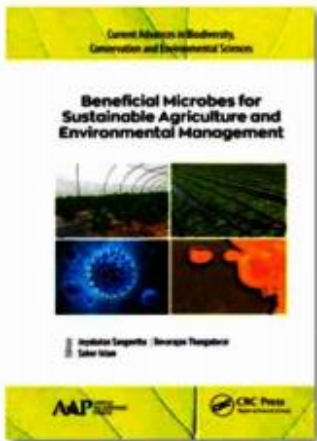
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Author: Prof. Waghmode M. S.

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25. Title: Microbes for Clean & Green Environment- Microbial Approach for Oil Degradation

Author: Prof. Dr. Patil N.N.

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1

MICROBIAL APPROACH FOR OIL DEGRADATION

Aparna B. Gunjal^{1*}, Meghmala S. Waghmode² and Neha N. Patil²

¹ Department of Microbiology, Dr. D.Y. Patil, Arts, Commerce and Science College, Pimpri, Pune,
Maharashtra, India

² PDEA's Annasaheb Magar Mahavidyalaya, Department of Microbiology, Hadapsar, Pune, Maharashtra,
India

*Corresponding Author: aparnavsi@yahoo.com

1. Introduction

Different toxic organic compounds are being introduced into the environment, e.g. petroleum hydrocarbons (Hassanshahian *et al.*, 2014a). Oil contamination has become a serious problem in many developing countries and affects the environment (Hassanshahian *et al.*, 2013; Tebyanian *et al.*, 2013). Crude oils are hydrocarbons with 30 % linear and branched alkanes, 30 % cyclicalkanes and 30 % aromatics and 10 % molecules such as sulphur, oxygen, and nitrogen. Petroleum-based products are energy sources for many industries. Leakages and spillages of petroleum products occur during occur regularly during transportation and storage. Oil spills can also occur when tankers crash into land which develops hole and therefore, oil leaks. Another reason is due to accidents where oil spills occur. One example is which occurred in August 2010 where due to collision of MSC Chitra with the Khalijia, a cargo of 1,219 containers holding 88040 liters of oil in August 2010, around 800 tons of oil spill occurred during the event (Rai, 2011). The amount of oil seepage is around 600,000 metric tons per year (Kvenvolden and Cooper, 2003). This leads to release of hydrocarbons into the environment which causes water and soil pollution. There are many technologies for soil remediation, but are expensive. Physico-chemical methods involves thermal desorption,



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26. Title: Microbes for Clean & Green Environment- Microbial Approach for Oil Degradation

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27. Title: Composition and Interconnections in Phyllosphere

Author: Prof. Dr. Patil N.N.

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Composition and Interconnections in Phyllosphere

Meghmala Waghmode¹, Aparna Gunjal², Neha Patil¹, and Sonali Shinde³

¹Department of Microbiology, PDEA's Annasaheb Magar Mahavidyalaya, Pune, Maharashtra, India

²Department of Microbiology, Dr. D.Y. Patil, Arts Commerce and Science College, Pimpri, Pune, Maharashtra, India

³Annasaheb Kulkarni, Department of Biodiversity, MES Abasaheb Garware College, Pune, Maharashtra, India

15.1 Introduction

The co-evolution of the microorganisms and their plant hosts has helped to understand many interactions between microorganisms and plants. This has helped to improve the environmental stability. One such interface above-ground surface or aerial habitat in plants affected by microbes is termed as the phyllosphere and its microbial inhabitants as epiphytes and endophytes (Lindow and Brandl 2003).

The members of *Proteobacteria*, *Firmicutes*, and *Actinobacteria* are majorly present in the plants phyllosphere region. Reports are available on the fungal community found in the phyllosphere of oak trees (*Quercus macrocarpa*). The microbial community in the phyllosphere of oak trees include *Devriesia*, *Mycosphaerella*, *Ramularia*, *Stenella*, *Dioszegia*, *Paraphaeosphaeria*, *Phaeosphaeria*, *Sphaceloma*, *Davidiella*, *Microsphaeropsis*, etc. (Jumpponen and Jones 2009).

Plant connects two enormously different universes, above- and below-ground and serves as a channel to flow the energy and nutrient. Phyllosphere microbiota forms the micro-ecosystem where chemical communication and compounds get exchanged between microbial communities that include bacteria, viruses, archaea, and eukaryotic taxa (Christian et al. 2015; Penuelas and Terradas 2014). The phyllosphere microbes colonization arises from propagules dispersed from the air, rain herbivores, and leaf litter (Beattie and Lindow 1999; Clay et al. 2005). Plant surfaces harbor huge number of beneficial microbes, whereas others act as pathogens, symbionts, and saprobes for host plants (Busby et al. 2016; Mejia et al. 2014). Most studies revolve around the pathogenic microbes, because of severe economic crop loss (Dik et al. 1991). A stronger pathogenic effect denotes negative feedback, indicating lack of co-adaptation, coexistence and, reduced fitness (Mordecai 2011; Rua et al. 2016). Instead, host species which supports defensive response under high parasite pressure leads to good response (Whitaker

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Author: Prof. Waghmode M. S.

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Composition and Interconnections in Phyllosphere

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15.1 Introduction

The co-evolution of the microorganisms and their plant hosts has helped to understand many interactions between microorganisms and plants. This has helped to improve the environmental stability. One such interface above-ground surface or aerial habitat in plants affected by microbes is termed as the phyllosphere and its microbial inhabitants as epiphytes and endophytes (Lindow and Brandl 2003).

The members of *Proteobacteria*, *Firmicutes*, and *Actinobacteria* are majorly present in the plants phyllosphere region. Reports are available on the fungal community found in the phyllosphere of oak tress (*Quercus macrocapra*). The microbial community in the phyllosphere of oak tress include *Devriesia*, *Mycosphaerella*, *Ramularia*, *Stenella*, *Dioszegia*, *Paraphaeosphaeria*, *Phaeosphaeria*, *Sphaceloma*, *Davidiella*, *Microsphaeropsis*, etc. (Jumpponen and Jones 2009).

Plant connects two enormously different universes, above- and below-ground and serves as a channel to flow the energy and nutrient. Phyllosphere microbiota forms the micro-ecosystem where chemical communication and compounds get exchanged between microbial communities that include bacteria, viruses, archaea, and eukaryotic taxa (Christian et al. 2015; Penuelas and Terradas 2014). The phyllosphere microbes colonization arises from propagules dispersed from the air, rain herbivores, and, leaf litter (Beattie and Lindow 1999; Clay et al. 2005). Plant surfaces harbor huge number of beneficial microbes, whereas others act as pathogens, symbionts, and saprobes for host plants (Busby et al. 2016; Mejia et al. 2014). Most studies revolve around the pathogenic microbes, because of severe economic crop loss (Dik et al. 1991). A stronger pathogenic effect denotes negative feedback, indicating lack of co-adaptation, coexistence and, reduced fitness (Mordecai 2011; Rua et al. 2016). Instead, host species which supports defensive response under high parasite pressure leads to good response (Whitaker

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Jitendra Kumar Saini, Abd El-Latif Hesham, and Harikesh Bahadur Singh.

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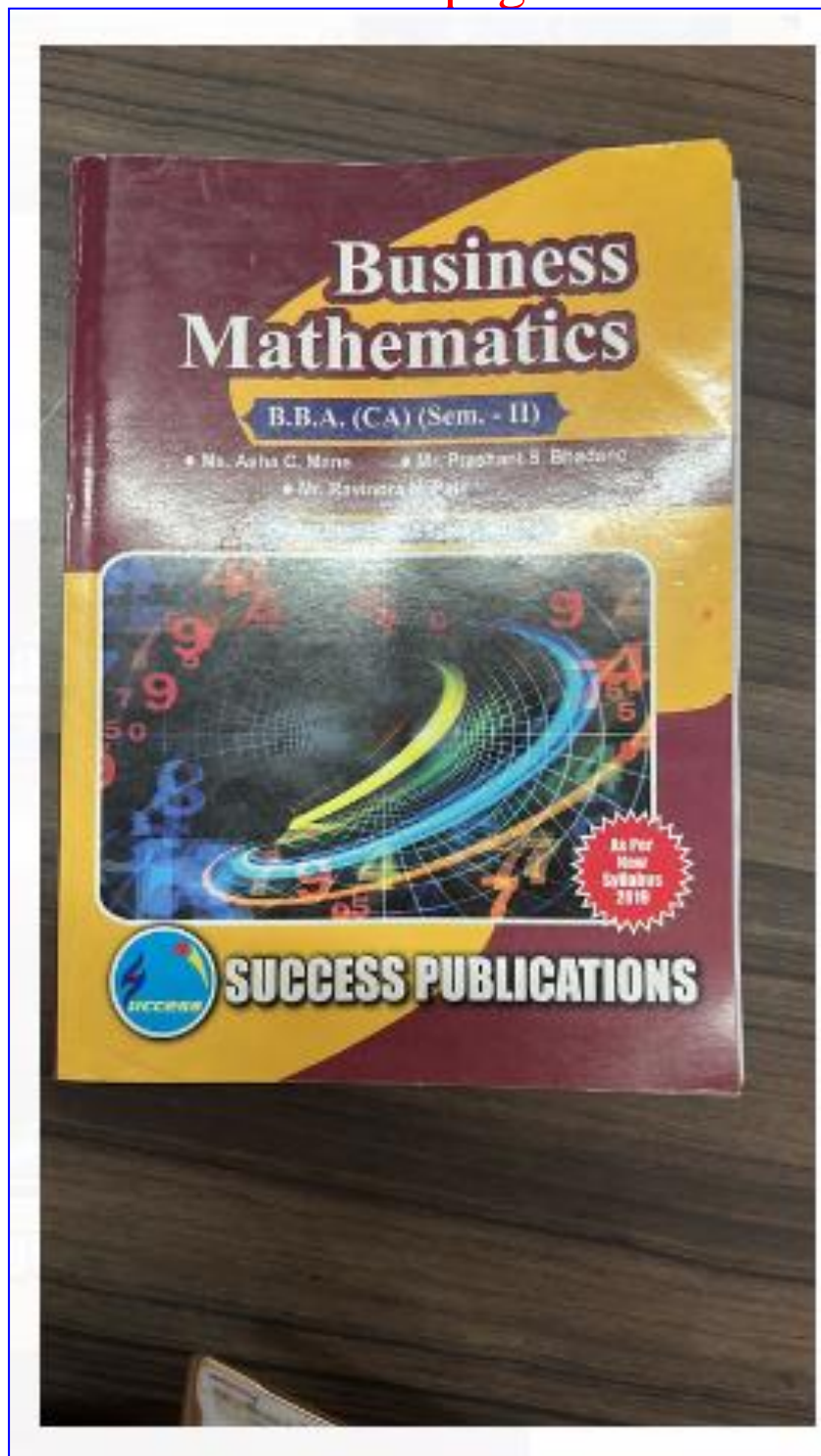
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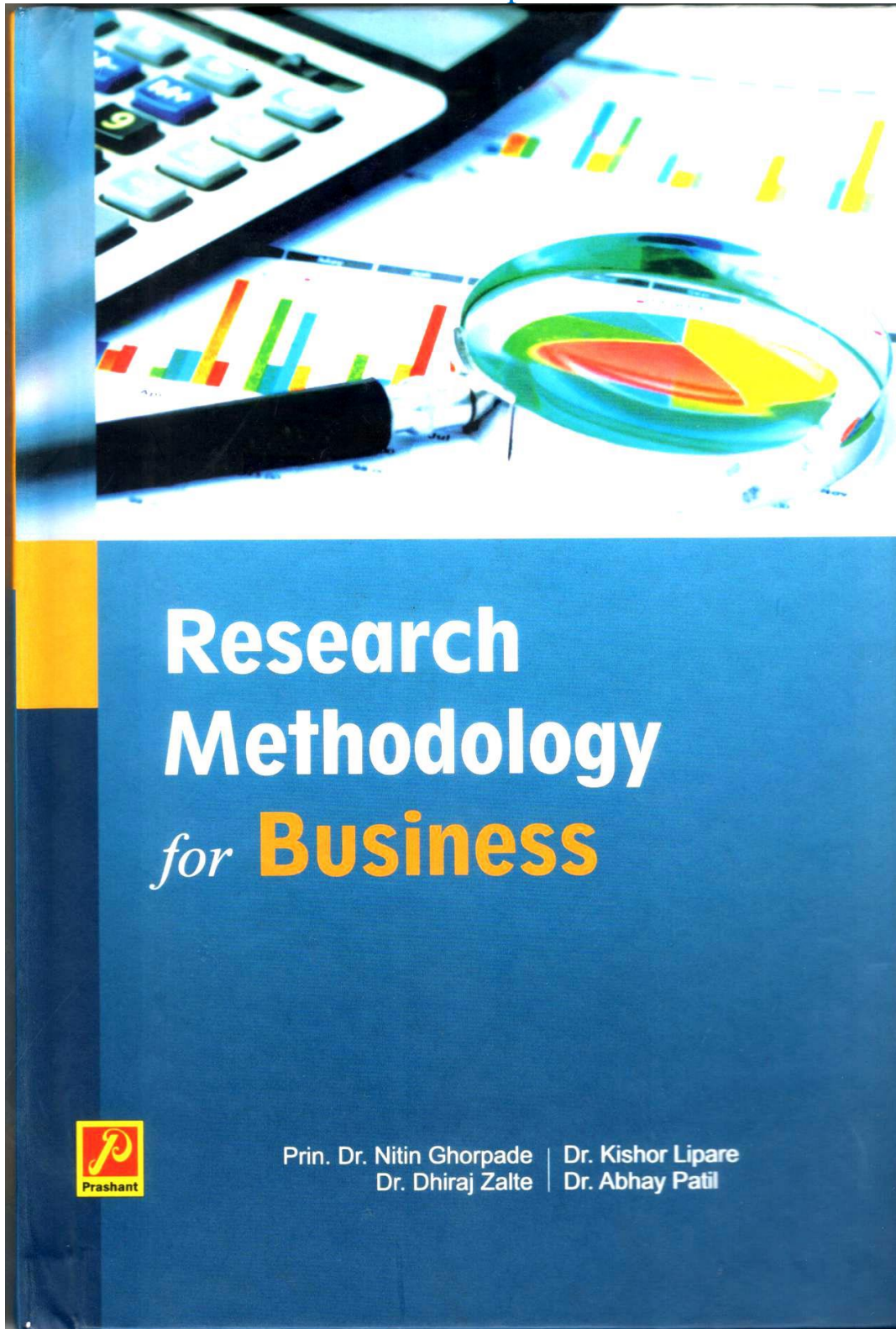


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The present reference book has been written with the objective to enable researchers in developing the appropriate methodology for their research studies. The book will also make them familiar with the art of using different research methods and techniques.

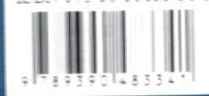
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