

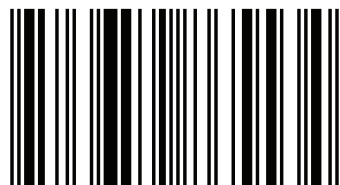
This book carries a detailed descriptive analysis of age structure of population, labour force participation rate, worker population ratio, and current attendance in Jammu and Kashmir (J&K). Besides, the authors highlight a variation with respect to the estimates of such indicators in two different surveys of NSSO and underscore its implication. Throughout the book, the authors carry out comparative analysis between J&K and the rest of India. The book is designed to be helpful to research scholars and M.A students to get the understanding of the dynamics of job market in the state relative to that of the whole country. Attempts are made to suggest research gaps, thereby encouraging potential researchers to undertake cutting edge research in this field, which is really a need of the day.



Irfan Ahmad Sofi  
Auqif Hussain Khanday

## Dynamics of Job Market in Jammu & Kashmir

Dr. Irfan Ahmad Sofi is a labour and industrial economist. He earned his Ph.D degree in Economics from Indian Institute of Technology Indore. Currently he is working as an Assistant Professor of Economics at Baba Ghulam Shah Badshah University (BGSBU), Rajouri. Mr. Auqif Hussain Khanday is pursuing M.A. Economics at BGSB University, Rajouri.



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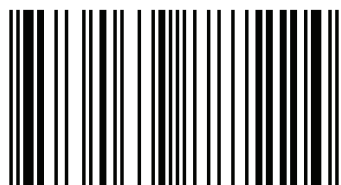
While rising youth unemployment continues to alarm policy makers across all the Indian states, its repercussions become increasingly visible in the state of Jammu and Kashmir. This book presents a comprehensive review of the recent trends in key labour market indicators in Jammu and Kashmir in comparison with the rest of India. The authors have attempted to cover both demand and supply dimensions of unemployment and employment situation in the state and the whole country. The widely discussed topics in this book include unemployment rates, nature of employment, wages and salaries, incentives for education, and private expenditure on education.



Irfan Ahmad Sofi  
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Dr. Irfan Ahmad Sofi works as an Assistant Professor of Economics at Baba Ghulam Shah Badshah University, Rajouri, Jammu and Kashmir (India). He earned his PhD degree from Indian Institute of Technology Indore in 2015. His main research interests include Industrial Economics and Labour Law. Binat-ul-Showket is a Master's student in the University.

## Recent Trends in Labour Market: Comparing J&K with all India



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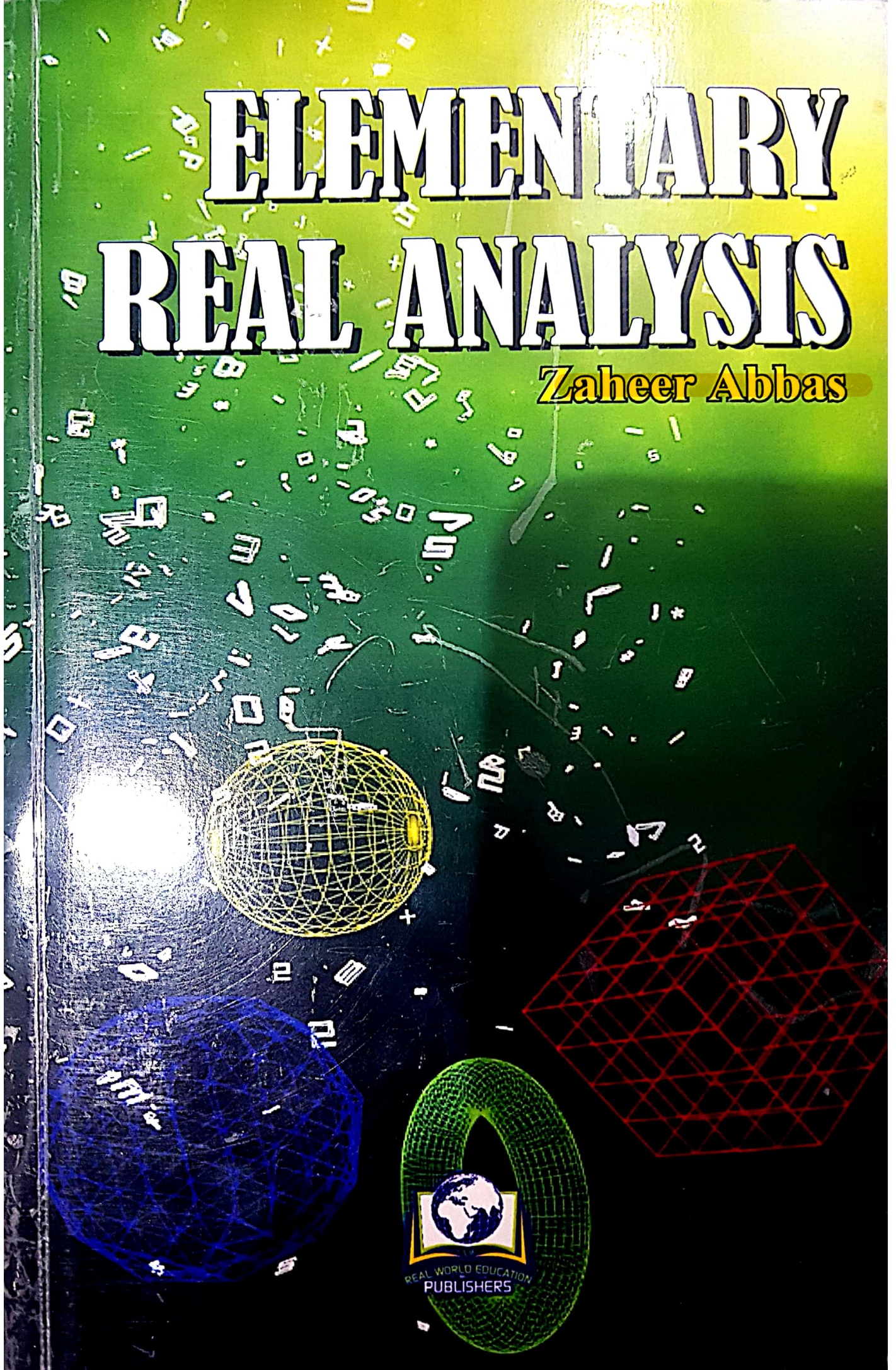
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# ELEMENTARY REAL ANALYSIS

Zaheer Abbas



## ABOUT THE AUTHOR



Dr. Zaheer Abbas - presently serving in the Department of Mathematical Sciences, Baba Ghulam Shah Badshah University Rajouri, J & K, INDIA - has a teaching experience(regular) of 12 Years at Post graduate level and about 08 years(regular) at school and undergraduate levels. He has been heading the Department of Mathematical Sciences (Baba Ghulam Shah Badshah University Rajouri, J & K, INDIA) since 2010. He did his schooling from Himalayan Education Mission Higher Secondary School Rajouri, graduation from Govt. Degree College Rajouri, Post Graduation (in Mathematics), M. Phil and Ph. D (in the area of "Operator theory and Functional Analysis") from University of Jammu. During his student life he won several Mathematics competitions at both graduate and post graduate levels, got NBHM scholarship (Post graduate level) and qualified NET (+JRF). He is a popular teacher of mathematics and has earned a great reputation among the students and learned circles for putting complicated affairs in simple ways and yet maintaining the rigour.

### **Dr. Zaheer Abbas**

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## KEY FEATURES OF THIS BOOK

- Written in a style that is easily understandable even by beginners.
- Inclusion of motivational notes for the crucial steps involved in an explanation for better understanding.
- Introduction of difficult concepts by motivational discussions.
- Explanation of various concepts in full detail.
- Illustration of various concepts by appropriately chosen examples.
- Adoption of conversational mode at appropriate places.
- Presentation of many methods in step by step mode for easy execution.
- Inclusion of figures to make the ideas more understandable and memorable.
- Valuing the importance of rigorous approach.
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Advances in Experimental Medicine and Biology 1048

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# Cellular and Molecular Toxicology of Nanoparticles

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# Toxicogenomics: A New Paradigm for Nanotoxicity Evaluation

# 9

Sourabh Dwivedi, Quaiser Saquib, Bilal Ahmad, Sabiha M. Ansari, Ameer Azam, and Javed Musarrat

## Abstract

The wider applications of nanoparticles (NPs) has evoked a world-wide concern due to their possible risk of toxicity in humans and other organisms. Aggregation and accumulation of NPs into cell leads to their interaction with biological macromolecules including proteins, nucleic acids and cellular organelles, which eventually induce toxicological effects. Application of toxicogenomics to investigate molecular pathway-based toxicological consequences has opened new vistas in nanotoxicology research. Indeed, genomic approaches appeared as a new paradigm in terms of providing information at molecular levels and have been proven to be as a powerful tool for identification and quantification of global shifts in gene expression. Toxicological responses of NPs have been discussed in this chapter with the aim to provide a clear understanding of the molecular mechanism of NPs induced toxicity both in in vivo and in vitro test models.

## Keywords

Nanoparticles · Toxicogenomics · Oxidative stress · RNA-Seq · Microarray

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# Nickel Oxide Nanoparticles Induced Transcriptomic Alterations in HEPG2 Cells

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## Abstract

Nickel oxide nanoparticles (NiO-NPs) are increasingly used and concerns have been raised on its toxicity. Although a few studies have reported the toxicity of NiO-NPs, a comprehensive understanding of NiO-NPs toxicity in human cells is still lagging. In this study, we integrated transcriptomic approach and genotoxic evidence to depict the mechanism of NiO-NPs toxicity in human hepatocellular carcinoma (HepG2) cells. DNA damage analysis was done using comet assay, which showed 26-fold greater tail moment in HepG2 cells at the highest concentration of 100  $\mu\text{g/ml}$ . Flow cytometric analysis showed concentration dependent enhancement in intracellular reactive oxygen species (ROS). Real-time PCR analysis of apoptotic (p53, bax, bcl2) and oxidative stress (SOD1) genes showed transcriptional upregulation. Transcriptome analysis using qPCR array showed

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# Phytotoxicity of Nanoparticles

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# Interplay Between Engineered Nanomaterials (ENMs) and Edible Plants: A Current Perspective

# 2

Bilal Ahmed, Mohammad Saghir Khan, Quaiser Saquib, Majed Al-Shaeri, and Javed Musarrat

## 2.1 Introduction

Engineered nanomaterials (ENMs), emerging from the dynamically developing nanotechnology industry, are being used at a greater pace in photonic crystals, coatings, personal care products, food, bioremediation, paints, material science, and catalysis (Fig. 2.1) (Falcaro et al. 2016; Zuverza-Mena et al. 2016; Du et al. 2016). The ENMs also have multiple applications in health-care industry and energy production (Safari and Zarnegar 2014; Vilela Neto 2014). Nanotechnology has brought about a new industrial revolution through its wide range of end uses. For instance, it has been reported that about 3000 tons of TiO<sub>2</sub>-NPs are manufactured in a different array of products each year, and >50% of the total production is used in personal care products (Weir et al. 2012). Super paramagnetic iron oxide nanoparticles (Fe<sub>3</sub>O<sub>4</sub> SPION), due to their magnetic properties, are usually used as a drug carrier, in medical devices such as MRI, and treatment of many diseases (Siddiqi et al. 2016). Considering the human exposure and environmental implications, personal care products represent one of the most important applications of ENMs (Keller et al. 2014). The number of nanotechnology products available in the marketplace is likely

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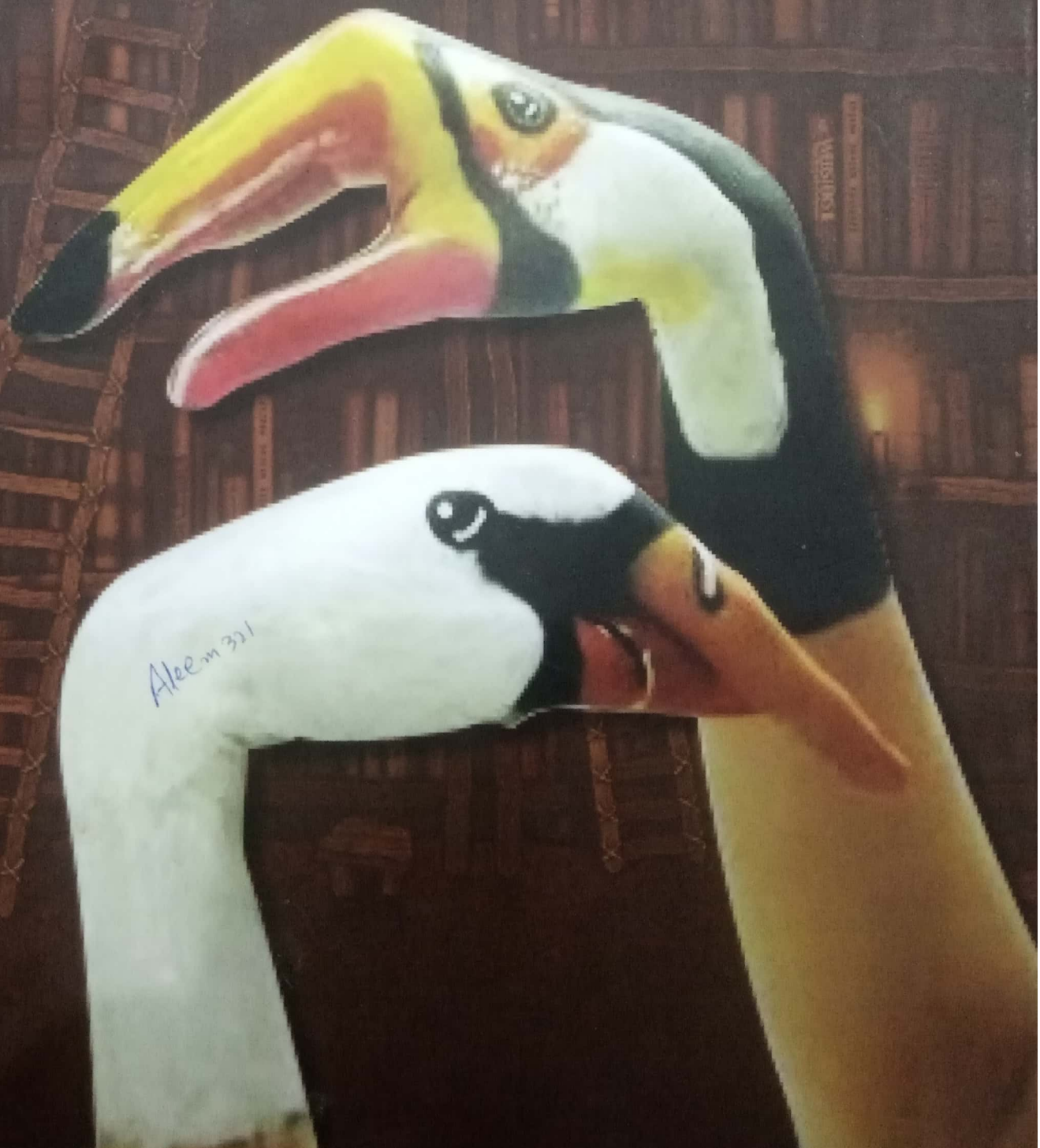
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# Dynamics of Children's Literature

Edited by  
Nandini Sahu  
Shyam Samtani



Children's literature is very old in origin; it has become truly interdisciplinary and multi-disciplinary today, associated with many other fields like literary studies vis-à-vis children's studies, children's geographies, children's media studies, visual arts, cartoons, animation, mythology, folklores, performing arts, children's culture, history, psychology, sociology, philosophy, theology, education, political science, library science, information science, and so on. This book intends to create a pool of specialized theorists, authors and critics working in tandem with these concepts and disciplines to the making of children's literature.



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# Gender Stereotyping in the Indian Cartoon Characters

Shachi Sood

Gender discourse is a body of concepts and viewpoints, which is established as a cosmopolitan idiosyncrasy. The gendered structure of society is rooted in organizational, institutional, social and cultural institutions which have generated the hierarchy of power structures. The two major divisions of gender, which are, the masculine and the feminine share a relational correlation and are hierarchical by nature. Helene Cixous' reference of the binaries epitomises the concept of gender inequality which is pervasive and persists across many dimensions:

Activity/Passivity

Sun/Moon

Culture/Nature

Day/Night

Father/Mother

Head/Heart

Intelligible/Palpable

Logos/Pathos

Form, convex, step, advance, semen, progress.

Matter, Concave, Ground<sup>-</sup> where steps are taken,

holding and dumping ground.

Man/ Woman. (*The Feminist Reader* 101)

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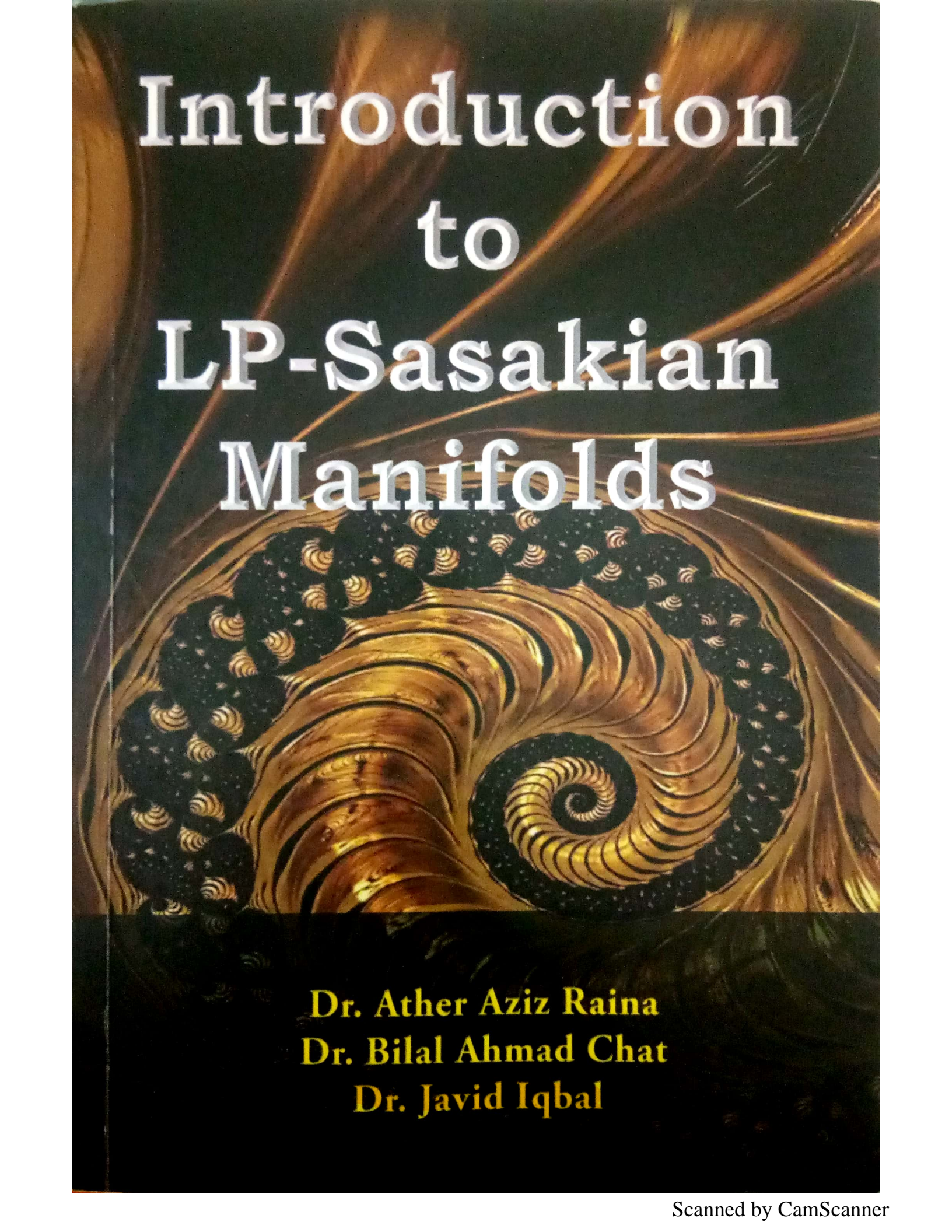
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Introduction to LP-Sasakian Manifolds



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**Dr Shachi Sood**

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***Dalit Literature: A Brief History***

Yasmeena Jan & Dr Shachi Sood

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## **W**hat are Dalits:

The word Dalit has its roots in Sanskrit and is derived from the word 'Dal' which means divide, break, split and so on. It was Jyotiba Phule, the founder of anti- Brahmin Movement in Maharashtra who popularized the term Dalit in literary context. He used this term to describe the victims of the caste-ridden society in India. The term Dalit is used for those castes in India that have been subjected to untouchability. Dalits are those inhabitants who were debarred from the fourfold Varna structure of Hinduism and are seen as forming an unmentioned fifth one. The word Dalit has embraced the terms like oppression, subjugation and exploitation in itself. It thus refers to the deplorable state or condition to which a large group of people has been reduced by social, political, religious and economic conventions in which they are living.

Dalits are the broken, inconvenient, inapproachable, marginalized and oppressed class under the Indian caste

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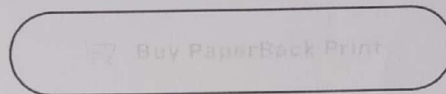
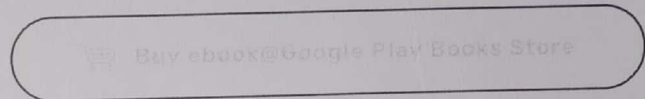
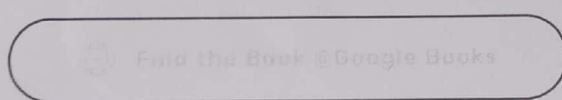
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Naseem Ahmed  
Javed Iqbal  
Saima



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# *Dynamics of Socio-Economic Development*



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## Preface

India is one of the fastest growing economies of the world with the majority of its population, approximately 68.84%, still living either in villages or in small towns. The country has achieved success in taming many macroeconomic variables like GDP, inflation, fiscal deficit, poverty, micro-financing, forex reserves, BoP etc. and have done well in the field of space, health, energy, food security after independence. Many economists criticize the growth story of the country and consider it far from being inclusive. They are of the opinion that the major growth centres of the country are still located in big cities, and the country is unable to exploit the potential of rural areas and rural population fully. This book has been designed to give an insight into various ever-changing aspects in the arena of socio-economic development. The critical analysis presented in the book covers critical dimensions of growth and development including tourism, PDS, skill development, MSME, banking, micro-financing, telecom, entrepreneurship etc. The areas covered will be beneficial for the scholars, faculty and society at large in guiding them about various hindrances to the inclusive growth of the country as well as simultaneously providing strategies to overcome them. Addressing the challenges and surpassing the impediments will promote not only economic growth, employment generation and better standards of living in the urban areas, but also stimulate economic activities and innovations in the rural areas.

Developing a comprehensive and holistic book is an integral part of the conference for which we have worked really hard. We are highly indebted to Professor R.D Sharma, Vice Chancellor, University of Jammu, without whose blessings and support the project would not have been possible. We are also grateful to Professor G M Bhat. It is only due to his out of the box thinking and continuous encouragement that has stimulated us to undertake this endeavour. We sincerely acknowledge the consistent support

## Does Microfinance have Equal Distribution Across the Different Regions of the Country?

*Vinay Kumar\**

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### INTRODUCTION

The significant population of the world is poor and are earning their lives by different means. More than 500 million poor people of the world are economically active and are earning their bread by working in small organisation or businesses employing just four to five people or working at their own (self-employed) with available resources like retailing, making mud pans, selling vegetables on the streets etc. These poor people often fail to manage their finances as they don't have access to the financial services. They can't get the funds to finance their businesses and even don't find place to keep their savings. So absence of financial services to these poor households makes it very difficult for them to survive and then they approach private lenders such as friends, families, relatives etc. for financing their small businesses. This lag between the financial requirements and available financing options to the poor households led to the emergence of concept of micro financing. The concept of microfinance deals with the catering of the needs of the unprivileged section of the society. Microfinance actually refers to the provision of financial services like loans, savings and insurance facilities to the poor entrepreneurs and business owners who otherwise don't qualify for such services from the banks. In other words, microfinance refers to small-scale financial services

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\* Assistant Professor, Department of Management Studies, BGSB University, J&K



# Postcolonial *English* Literature

THEORY AND PRACTICE



*Edited by*  
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Postcolonial English Literature that has gained wide currency as a theoretical as well as critical approach to postmodernist literature in English owed much to writings of Chinua Achebe and Nadine Gordimer who were the trendsetters. Since then it has been growing in rapid number and many writers along with theorists like Edward Said, Gayatri Chakravorty Spivak, Bill Ashcroft and Homi K Bhabha from across the globe have started writing their theory as well as literature. Writers from Africa and the Caribbean, South Asia, mostly from Indian subcontinent, New Zealand, England and Ireland are taking interest in this area of study. Now the area of postcolonial English literature has become so broad and ever-expanding that the task of encompassing it in an anthology has become a tough work. Still the present anthology is an endeavour from the part of authors and contributors to comprise the ever-widening area of postcolonial English literature into twenty one well written chapters of different perspectives which the authors hopefully see serve the window through which the glimpses of many unexplored regions of this area of study will be caught.



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**A House of My Own:  
*A House for Mr. Biswas***

**Dr. Shachi Sood** and Dr. Saleem Wani

---

Naipaul's first major novel *A House for Mr. Biswas* belongs with such classics of New literatures as Patrick White's *Voss* and Chinua Achebe's *Things Fall Apart* in which through portrayal of an individual the complexities and aspirations of the colonised self is represented. Like these two novels, it is imaginative, fictional recreation of the past. The main characters, places and events are largely based on Naipaul's reminiscence of his early life in Trinidad. The novel is an individual's search for authentic selfhood which is symbolised in his desire to turn his state of unhousement into enhousement. Biswas's desperate desire to have a house of his own is an allegorical representation of the colonial man's desires to locate his place at a strange and alien world, "To his son's question 'Who are you'. Mr. Biswas replies, 'I am just somebody. Nobody at all. I am just a man you know.'" (Mason, 46)

The novel is in the tradition of James Joyce's *Portrait of the Artist as a Young Man* because Naipaul's alter-ego Anand gives us a glimpse of what it was to grow up as a young man in Trinidad. *A House for Mr. Biswas* is different from the earlier novels of Naipaul in some aspects like first, in the novel exhaustive portrayal of an East Indian family along with the acclimatisation of an individual in Trinidad society and his attainment of a social distinctiveness is given. Secondly, even though it is the most personal of Naipaul's novel yet it is not limited to a personal social context but talks about

# NEW WOMAN IN INDIAN LITERATURE

FROM COVERT TO OVERT

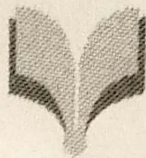


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## NEW WOMAN IN MANJU KAPUR'S *HOME*

Dr. Romina Rashid

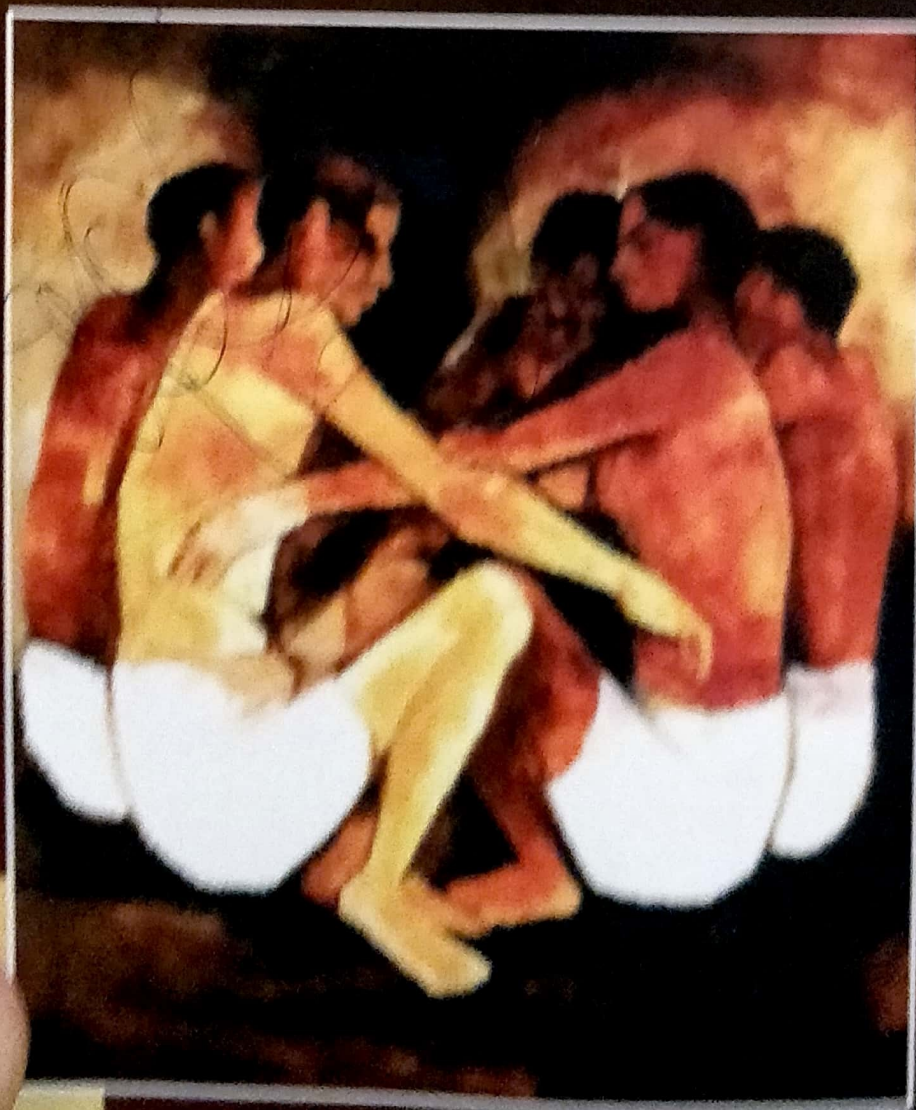
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The term 'New Woman' was originally coined by Charles Reade in his novel *A Woman Hater* and later on it was popularized by the British-American writer Henry James. In Europe, the stereotype of submissive woman was no longer acceptable after the Victorian era, and in the nineteenth century women began to express themselves freely. The New Woman in Britain challenged the stereotypical sexual and societal roles assigned to her by the rigid double standard of Victorian society. The rise in women's education in the West revolutionized the thinking of women and they became aggressive, power hungry and liberal. The women started asserting themselves against the patriarchal dominance that had suppressed them for ages. In India similar changes began to surface after independence. The changing status of women was due to socio-religious conditions and the introduction of Western education, which brought the liberating ideas of the West to India to put women at par with men.

The rigid customs started suffocating the women and education was seen as the only tool to liberate woman from stifling

# Quintessence of Dalit Literature

Rebel Narratives



Ashish Kumar Gupta  
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**Quintessence of Dalit Literature**

Rebel Narratives

© Editors

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## United by Hearts, Separated by Castes: Tragic Love Story of Ammu and Velutha

*Mariya Aslam & Tanvir Ahmed*

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Suzzana Arundhati Roy (1961) is contemporary Indo-Anglian writer who won Man Booker Prize for fiction in 1997 for *The God of Small Things*, which remained her only novel, until the publication of *The Ministry of Utmost Happiness* in 2017. She raised her voice against the existing injustice, inequality, inequity, discrimination and social hierarchy of the Indian society which marginalized human beings. Her semi-autobiographical novel, *The God of Small Things* (1997) was received by publishers with great zeal; the importance of the story was immediately recognized by Pankaj Mishra, editor with Harper Collins, who sent the story to three British publishers and Roy received 5 lakh British Pounds in advance and the copyright was sold in twenty-one countries.

The story is set in Ayemenem, which is now a part of Kottayam district in Kerala, India. The novel is the tragic story based on casteism and is not only restricted to the social setup of the society but also, political and cultural issues appear to be knitted in a single yarn. The novel presents a

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## The Existential Odyssey of Bama in *Karukku*

*Dr. Romina Rashid*

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India, after so many years of independence is still being colonized by the dirty forces of communalism, casteism, and regionalism. The people in India face persistent discrimination on the basis of caste, community, region and religion. Unfortunately, the people belonging to the low castes are being stigmatized and face social humiliation and ostracism at the hands of high caste people. It is indeed a matter of concern, that new rules and reforms could not wipe out the bitterness and hatred for these low castes usually known as Dalits, from the minds of high caste people. Every time these Dalits are being looked down upon and reminded of their low status. The pathetic conditions of these Dalits, which were camouflaged and hidden, have been unveiled by the Dalit writers in their writings. These writers have given voice to the sufferings of Dalits through their writings but very few have drawn the courage to break the stereotypes by fighting against the tyrannous forces of Casteism.

During the British colonial regime many low caste Hindus converted to Christianity with the hope of leading a dignified life. But to their utter disappointment, they had to

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**Dr. Romina Rashid**- Assistant Professor, Dept. of English,

Sukumar Mishra  
Yog Raj Sood  
Anuradha Tomar *Editors*

# Applications of Computing, Automation and Wireless Systems in Electrical Engineering

Proceedings of MARC 2018

Volume 2

Sukumar Mishra · Yog Raj Sood ·  
Anuradha Tomar  
Editors

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 Springer



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# A Comparative Analysis of Different Maximum Power Point Tracking Algorithms of Solar Photovoltaic System



Md. Sabir Hassan, Shafqat Nabi Mughal,  
R. K. Jarial and Yog Raj Sood

**Abstract** The demand for power is increasing day by day, and working with fossil fuels is associated with global warming problem, so renewable resource is better option to fulfil ever-increasing power demand without affecting climate. Among renewable resources, solar energy is widely adopted due to its availability in abundance. The power output for a solar photovoltaic (SPV) cell depends on the operating temperature, solar irradiation and load impedance. So maximum power point of SPV is not constant and keeps on changing under different conditions. Therefore, maximum power point tracking is used to uphold the point to extract maximum power from PV system under different working conditions. In this paper, we have described many maximum power point tracking algorithms commonly used for extracting maximum power out of a solar panel. We have also done a comparative analysis among them for various parameters using a common Simulink model in MATLAB. It has been found that among different methods, artificial intelligence method is most efficient compared to all existing methods and perform well under different conditions of solar irradiations and temperatures.

**Keywords** SPV cell · MPPT · Open-circuit voltage · Short-circuit voltage · Perturb and observe · Hill climbing · Incremental conductance · Artificial intelligence · Fuzzy logic control · Neural network · Converter

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# Design and Techno-Financial Analysis of Solar Photovoltaic Plant for School of Engineering and Technology at BGSB University, Rajouri (J&K)



Shafqat Nabi Mughal, Yog Raj Sood and R. K. Jarial

**Abstract** Solar power technology was present in India from a very long time, but due to its high purchase cost, only few were able to reap its benefits. It was very costly and less efficient during its early phase, but due to the increase in efficiency of solar modules and drop in the prices of solar PV along with various government schemes and policy implementations, solar PV technology has gained prime importance as a source of electricity. In this paper, we have carried out design, technical and financial analysis along with optimisation of solar PV plant for the School of Engineering and Technology, Baba Ghulam Shah Badshah University (BGSBU), Rajouri, Jammu and Kashmir, India. This paper uses two-way approaches for the design and analysis of feasibility of solar PV plant. We have not limited our design and analysis to the use of simulation software like PV GIS, etc., but also making use of the actual physical cost for the various items needed for building this plant prevailing these days in India. This has helped us to calculate the cost expenditures much closer to that would be spent in building this plant in the future. In this paper, we have estimated the energy demand of the School of Engineering and Technology, and based on the energy demand and location, we have proposed this solar PV system to solve much-awaited issue of power scarcity in such locations of educational and economic importance. This system will not only help the university to lower down the burden of money spent on the usage of electricity but will also help in reducing the quantity of carbon dioxide emission into the atmosphere.

---

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# A Novel Approach for Video Steganography using LSB Technique

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## ABSTRACT

There are many kinds of steganography techniques available among which hiding data in video using logical operation by LSB substitution is a simple method. Here the information will be embedded using the stego key. Here 8 or 16-bit key is used. The input image or text file is encoded with the help of the secret key by performing logical operation using LSB substitution. By using this technique, capacity of embedding bits into the cover image can be increased and possibility of attacks can be decreased.

**Keywords:** Steganography, LSB, Secret Key, Data hiding

## I. INTRODUCTION

Information Hiding techniques have been receiving much attention today. The main motivation for this over encryption and decryption is that here the information is imperceptibly hidden and therefore does not attract attention. This art of hiding information is called Steganography. Steganography or Stego as it is often referred to in the IT community, literally means, "Covered writing" which is derived from the Greek language. Markus Kahn defines Steganography as follows, "Steganography is the art and science of communicating in a way which hides the existence of the communication. The goal of Steganography is to hide messages inside other harmless messages in a way that does not allow any enemy to even detect that there is a second message present". Since redundancy is present in image and audio files they are mostly used for information hiding. Although image and audio files comply with this requirement,

research has also uncovered other file formats that can be used for information hiding [1].

## II. DOMAIN OF INFORMATION HIDING

The existing schemes of information hiding in images and audio can roughly be classified into the following three categories [6]

- Spatial domain / Time domain
- Transform domain
- Compressed domain

### A. Spatial Domain Information Hiding

Data hiding in spatial domain type directly adjust image pixels in the spatial domain for data embedding. This technique is simple to implement, offering a relatively high hiding capacity. The quality of the Stego image can be easily controlled. Therefore, data hiding of this type has become a well-known method for image steganography [10]



# Key Management towards Secure and Scalable Mobile Applications in Cloud using Re-encryption

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## ABSTRACT

Security concerns get to be pertinent as we outsource the capacity of conceivably sensitive data to third party cloud storage. Data stored in cloud may be disclosed later on because of malevolent assaults on the cloud or inconsiderate administration of cloud administrators. Secure information exchange is expected to keep up the information security between authorized users. A key administration plan is proposed where encoded key shares are put away in the cloud and consequently erased in view of entry of time or client action. The rate of termination may be controlled through the beginning distribution of shares and the heuristics for evacuation. Membership to client information is kept up through standard re-era of shares. A reenactment of the plan furthermore its usage on business portable and cloud stages exhibit its practical performance.

**Keywords:** Key management; Secure Data Retrieval; Re-encryption; Mobile applications

## I. INTRODUCTION

Distributed computing gives versatile preparing and storage assets that are facilitated on an outsider server to allow customers to financially meet continuous administration requests. The customer information outsourced to the cloud is a vital concern subsequent to the server can't essentially be trusted with read access to voluminous delicate customer information. A specific test of versatile distributed computing is that an extensive and rapidly changing populace of cell phones obliging access control may get to a cloud application. The theory addresses the issues of accomplishing productive and exceedingly versatile key administration for asset compelled clients of an untrusted cloud, furthermore of safeguarding the security of clients. Processing and remote correspondence is minimized for versatile clients

while safeguarding the privacy of cloud information and of clients recovering it.

A model for key dissemination is initially suggested that is in view of element intermediary re-encryption of information. Keys are overseen inside the customer area for trust reasons, the cloud server performs computationally escalated re-encryption, and key dispersion is minimized to preserve correspondence. An instrument oversees key advancement for a consistently changing client population.

Next, a novel type of quality-based encryption is suggested that approves clients taking into account the fulfillment of obliged traits. The cloud server and a trusted director instead of the versatile data owner perform the more noteworthy computational burden from cryptographic operations. Besides, the cloud



# Fog Approach in Internet of Things: A Review

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## ABSTRACT

Internet of Things (IoT) connects billions of physical objects to collect and exchange data for various applications. IoT has many unsupported features such as geographic features, location, latency etc that are critical for various IoT application. To support these features fog computing is added to IoT. This review paper discusses the difference between cloud and fog and why fog is used over cloud for IoT. This paper discusses the architecture and features of fog computing for IoT applications. Security and privacy issues of fog related to various applications are also discussed.

**Keywords:** Fog computing, Internet of Things IoT, Cloud computing, security and Privacy

## I. INTRODUCTION

The Internet of Things (IoT) is the network of physical devices, vehicles, home appliances and other items embedded with electronics, software, sensors, actuators, and connectivity which enable these objects to connect and exchange data. Each thing is uniquely identifiable through its embedded computing system but is able to inter-operate within the existing Internet infrastructure. The figure of online capable devices increased 31% from 2016 to 8.4 billion in 2017. Experts estimate that the IoT will consist of about 30 billion objects by 2020. It is also estimated that the global market value of IoT will reach \$7.1 trillion by 2020. The IoT allows objects to be sensed or controlled remotely across existing network infrastructure, creating opportunities for more direct integration of the physical world into computer-based systems, and resulting in improved efficiency, accuracy and economic benefit in addition to reduced human intervention. When IoT

is augmented with sensors and actuators, the technology becomes an instance of the more general class of cyber-physical systems, which also encompasses technologies such as smart grids, virtual power plants, smart homes, intelligent transportation and smart cities [10]. "Things", in the IoT sense, can refer to a wide variety of devices such as heart monitoring implants, biochip transponders on farm animals, cameras streaming live feeds of wild animals in coastal waters, automobiles with built-in sensors, DNA analysis devices for environmental/food/pathogen monitoring, or field operation devices that assist fire fighters in search and rescue operations. Legal scholars suggest regarding "things" as an "inextricable mixture of hardware, software, data and service"[9]. These devices collect useful data with the help of various existing technologies and then autonomously flow the data between other devices.

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اُجالے اپنی یادوں کے

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ڈاکٹر محمد کاشف

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## راجوری میں اسلام کی تبلیغ: صوفیاء کرام کے حوالے سے

رضوانہ شمسی (اسٹنٹ پروفیسر)

بابا غلام شاہ بادشاہ یونیورسٹی راجوری (جموں کشمیر)

راجوری

راجوری ہزاروں سال قبل مسیح سے آباد چلی آرہی ہے۔ ۶۳۰ میں مشہور چینی سیاح ہیونگ سانگ جب یہاں سے گزرا تو اس نے اپنے سفر نامہ ٹراولس آف یانگ سو میں اسکا نام ہولوٹی پولو لکھا ہے، اس وقت اس خطہ پر کھش نامہ قبیلہ حکومت کرتا تھا جو آج بھی راجوری کے راج نگر بدھل سے لے کر رام بن اور بانہال تک پایا جاتا ہے۔ ۹۰۸۰ء میں جب پال راجاؤں نے یہاں اپنی حکومت قائم کی تو انہوں نے اسکا نام راجپوری رکھا ۱۱۹۳ء میں جب کلانور سے آنے والے نو مسلم راجہ نور الدین جرال نے آخری پال راجہ امن پال کو قتل کر کے اپنا راجاؤں قائم کیا تو اس نے اسکا نام تاجور کے وزن پر راجور رکھا جو آہستہ آہستہ تاجور سے راجور پھر راجوری بن گیا۔ ۱۸۲۶ء میں جموں کے ڈوگر امہاراجہ گلاب سنگھ نے جب اس خطہ کو اپنے قلم روم متحدہ جموں کشمیر میں شامل کیا تو اس نے راجوری کا نام تبدیل کر کے راجپور رکھا جسے نہ تو یہاں کے مسلمانوں نے تسلیم کیا اور نہ اسے قبولیت عامہ حاصل ہو پائی اس لئے راجوری بدستور راجوری ہی زبان زد خاص و عام اور مستقل تاریخی نام بن کر رہ گیا۔

راجوری میں اسلام کی آمد

سلطان محمود غزنوی نے کشمیر فتح کرنے کی غرض سے تین دفعہ پیر پختال خطہ پر یلغار کی۔ پہلی دفعہ ۱۰۱۳ء دوسری دفعہ ۱۰۱۴ء اور تیسری دفعہ ۱۰۲۱ء میں مگر راجوری اور پونچھ کے راجاؤں نے اور کشمیری فوج کی مشترکہ کمان و مدافعت کے باعث وہ پونچھ کی راجدھانی

### About the Book



Maulana Wahidudin Khan (b.1925) is an epitome of extraordinary educational and intellectual career. At a time when Marxism was holding its sway all over the globe, Maulana; convincingly proved Marxism, as a fallacy. Likewise, his book '*Mazhab Aur Jadid Challenge*' brought out, when new scientific knowledge was undermining religious spirit; provided a rejuvenating push to religion as well as religionists. It stands out as the most remarkable work establishing Maulana's Islamic Scholarship at international level. The way Maulana interprets and transmits the essential message of Islam to a generation overwhelmed by modern and post-modern challenges might annoy some conservative scholars; yet none can prove any deviations against him.

While a lot has been written on Maulana's personality, his Islamic thought and political views; it is for fraternity of Islamic Studies, a matter of great satisfaction that Dr. Rafique Anjum has produced a remarkable research work, '*Revisiting Islam: The Reformist Thought of Maulana Wahid ud Din Khan*' that earned him a doctorate from University of Kashmir.



Dr. Anjum Awan, himself, is no less an interesting personality. He is primarily a 'Doctor of Medicine' having served as Registrar, Lecturer and Consultant Pediatrician in the Department of Health & Medical Education. Besides; he represents the higher echelon of Modern Gojri Scholarship. Lately, kindled by the passion for Islamic Studies, he did M.A. and Ph. D. in Islamic Studies and joined Baba Ghulam Shah Badshah University, Rajouri as Assistant Professor. One of the brilliant minds of the

Pir Panjal region, he has, in a short span of time, firmly established himself as a dedicated teacher and learned scholar having created a niche for himself in the intellectual circles of the varsity.

The present work, of Dr. Anjum Awan is quite balanced in analysis and objective in approach. The scholar is hardly seen as defending or advocating the views of Maulana. He has rather realistically presented Maulana's thought as reflected in his works. This makes his research worthy, for which he deserves appreciation. I hope the work will find a great readership and applause.

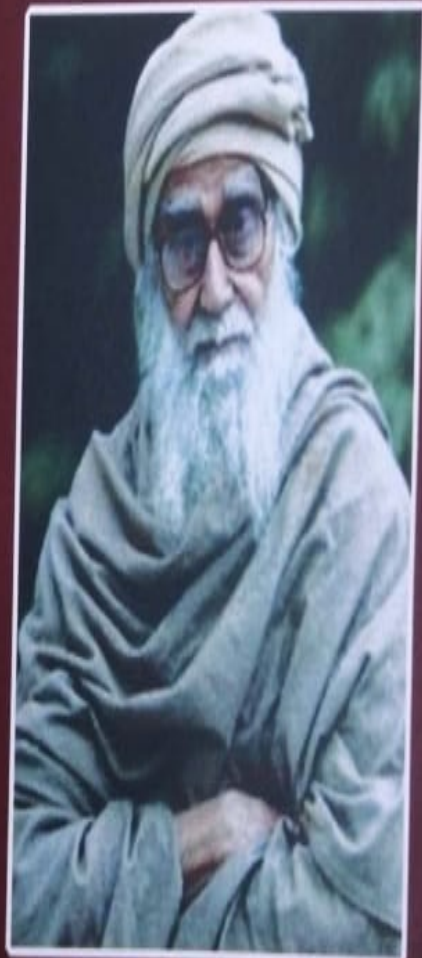
Anjum Awan D. Phil

# REVISITING ISLAM

The Reformist Thought of  
Wahiduddin Khan

REVISITING ISLAM

Anjum Awan D. Phil



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✽ ڈاکٹر رفیق انجم، تلمذِ اہلسانِ گفتی کار ہیں جو بیک وقت گوہری اور اردو میں اپنے گفتی جوہر آزاد ہے ہیں۔ اور انہوں نے شعر کے ادبی اسطر سے پہلے وہی زبانوں کے صاحب طرز اور سحر و شاعرانہ روایہ گردانے جانتے ہیں۔

ڈاکٹر رفیق انجم کی شاعری میں غنایت اپنی آخری حدوں کو چھوتی ہوئی نظر آتی ہے اور ان کے سانی ہندوستان کا لفظ اور اظہار کی سحر پر گیت اور غزل کے درمیان کی جھ نظر آتی ہے جس سے ایک قاری فوراً گرفت میں آجاتا ہے۔ اور ان کی شاعری کا وصف تاثر اور تک اور ہر تک دامن چکا کر دیتا ہے۔ اس دشت کو قائم رکھنے کے لئے انہوں نے خاص توجہ دی ہے۔ ان کی شاعری میں انگریزوں کے سامنے آتی ہیں۔ گیت پن اور زمرہ کا استعمال اور سبک اور وہاں بکروں کا انتخاب۔ گیت پن ان کی شاعری کی اصل روح ہے۔

ڈاکٹر رفیق انجم



## انجم شناسی

ڈاکٹر رفیق انجم کے سارے مجموعے زنبیل نے مجھے کافی حد تک پرانا دیا۔ انکی ورق گردانی کے بعد پتہ چلا کہ یہ مجموعہ ان کی اردو، پنجابی اور گجری شاعری کے انتخاب پر مشتمل ہے۔ پرانا دینے والی بات میں نے اس لئے کی کہ میں انہیں اردو اور گجری کے شاعری حثیت سے مانا تھا۔ میری معلومات میں یہ اضافہ ہے کہ وہ پنجابی کے بھی اتنے ہی اچھے شاعر ہیں جتنے اردو اور گجری کے۔ ان کے اردو مجموعہ کلام ”کاش“ میں نے صدق دلی سے ان کی ادبی صلاحیتوں کا امتحان کیا تھا۔ ان کے اکثر اشعار کی دل و ذہن پر اتنی مشہور گرفت ہے کہ انہیں نظر انداز نہیں کیا جاسکتا۔ موصوف ادب کے میدان میں ایک ایسی شخصیت ہیں جن پر فخر کیا جاسکتا ہے!

”زنبیل“ نے میری اس بات کی تصدیق کر دی ہے کہ ڈاکٹر انجم ہر جہت شخصیت کے مالک ہیں۔ وہ کسی زبان میں بھی شعر کہیں وہ اس کے معیار کو ملحوظ خاطر رکھتے ہیں، ان میں نئی کائنات کا احرام کرتے ہیں، الفاظ کے مزاج داں ہیں۔ انہیں شاعری میں ان باتوں سے خوف نہیں کیا سکتا۔ میں ان کی شاعری کے بارے میں اتنا ضرور کہوں گا کہ ان کی شاعری ان کی عمر سے بہت آگے ہے۔ انہوں نے بہت کم عمر میں اتنے تجربے حاصل کیے ہیں کہ کسی عمر رسیدہ قلم کار کو بھی حاصل نہیں ہوتے۔ اس کا خمس اچھے کام میں جگہ جگہ موجود ہے۔ ان کے کام میں ان کی تدریجی صلاحیت کو بے حد دامن حاصل ہے۔ بات وہیں ختم ہوتی ہے:

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# زنبیل

ڈاکٹر رفیق انجم

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# زنبیل

ڈاکٹر رفیق انجم

## انجم شناسی

✽ رفیق انجم حقیقت پسند شاعر ہیں۔ ان کی زبان صاف اور بیان وکھل ہے۔ وہ ہر جملے کو تریب استعمال نہیں کرتے۔ اور نہ قاری کو پر سچ جذبات سے گراہ کرتے ہیں۔ انہوں نے اپنی شاعری کا آغاز رومانی اور عشقیہ شاعری سے کیا۔ لیکن ان کا عشق رومانیت عشق سے منفرد حثیت رکھتا ہے۔ اگرچہ اس میں وہی آگ و شہد اور گمانی تھی ہے جو رومانیت یا کلاسیکی شاعری کا طرز و امتیاز ہے۔ لیکن وہ اپنے خیالات کو الفاظ کے سانچے میں بکھر اس طرح ڈھالتے ہیں کہ خود بخود عشق کی پرشکلی جلی جاتی ہیں۔

رفیق انجم کی ہنس خیزوں میں گیت کی لوح تھی ہے۔ ان میں ٹھٹھا ٹھٹھا اور انگریزوں کے آواز ہے۔ ہندی اور اردو کی آمیزش سے ان گیت نما خیزوں میں جا کی رس اور گھاوت پیدا ہوئی ہے۔

ڈاکٹر رفیق انجم

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### Impressions & Expressions

#### Shahbaz Rajourvi (Educationist)

Dr. Rafique Anjum is a well known writer of our state. He has a unique faculty of writing simultaneously in many languages though he is basically the pioneering celebrity of Gojri literature. His poetic art has won him a great renown. But he has remarkably contributed to lexicography, literary history and research work in Gojri also. His command over the languages has emancipated his talent and he has edited a Gojri-Kashmiri Dictionary too. This speaks of his liberal attitude and zeal of a truly involved scholarly intellect. He is a prolific writer to the extent that one wonders or even envies his stamina and love for writing. This work is really a praiseworthy contribution of the author. Let us hope that this contribution of Dr. Anjum will be appreciated warmly in literary and scholarly circles. This will go a long way in consolidation of our identity in a pluristic society.

#### Prof. Zahur ud Din

(Professor Emeritus Urdu)

Dr. Anjum Awan is a poet and scholar of considerable repute of both Urdu and Gojri languages besides being an erudite writer of English language too. A number of his poetic collections both in Urdu and Gojri languages have earned him accolades across the sub-continent. The present work, is another important contribution of Dr. Anjum to all the three languages which I am sure would be of great help to the students and scholars of the languages concerned and also of the other languages who wish to learn, understand and further their research activities in allied fields.

### About The Author



Dr. Anjum is a Doctor of Medicine (M.D. Paediatrics) and a Doctor of Philosophy (Ph.D. Islamic Studies) from University of Kashmir and a multifaceted litterateur having earned recognition from beyond borders for his creative, analytical and critical literary works. Having previously worked as Registrar & Lecturer, Pandit in GMC Srinagar for 5 years (2004-2008) and Consultant Paediatrician, with J&K Health & Medical Education Department, for 8 years (2009-2017), Dr. Anjum is presently Asst. Professor in 'Islamic Studies & Languages' at BGSB University Rajouri. In literature Dr. Rafique Anjum has authored more than 25 books including 'first ever History of Gojri Literature' in 10 volumes, Gojri-English dictionary, Gojri Grammar, Gojri Khat Kosh & Banjara, a treatise on life and works of Indo-Pak Gojri writers. Dr. Anjum is presently the most read and referred to writer of Gojri having been conferred with highest state-level Award for Excellence in Literature. The J&K Academy of Art, Culture & Languages, has published a special issue of 'Sheeraza' on 'Life and Works of Dr. Rafique Anjum' in recognition of his contributions to Gojri language.

### About the Book

Gojri language, in spite of its lofty richness, has remained neglected for centuries. In recent times some institutions and individuals have been racing against time to set the records straight to the extent it is possible. Dr. Anjum's name emerges at the top of this effort. Institutions are vital for such purposes but sometimes individuals take the cake as institutions only reflect the quality of the individuals of which they compose. Perhaps that is the reason that Npoh Webster, John Watts or our very own Mo'ajiz Ferozuddin could produce dictionaries of such profundity and precision which no institution could accomplish or emulate.

The present work is associated with Gujri's linkages with Kashmiri, an ancient and important language in its own right. The connection is so deep that Gujars living in Kashmiri speaking areas have fostered Kashmiri as their second tongue and have become bi-lingual. Anjum's dictionary takes care of various shades of this linguistic interaction properly and should prove useful for both. The influence of Arabic and Persian is the manifestation of a shared history and social bonding. It is interesting that a part of the vocabulary is molded by the genius of respective tongue in rather different ways. Anjum's book faithfully reflects the phenomena and shows the vibrancy of the languages which are alive and kicking. Dr. Rafique Anjum is still a young man and he is sure to take us by surprise galore in future too.

M. Y. Taing  
(Ex. DG Culture, J&K)



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## GOJRI-KASHMIRI-ENGLISH DICTIONARY

Dr. Rafique Anjum

Dr. Anjum Awan's

### Concise GOJRI-KASHMIRI-ENGLISH DICTIONARY



By

Dr. RAFIQUE ANJUM

J&K Anjuman Tavaqi Gojri Adab

### Impressions & Expressions

#### M. Y. Taing. (Ex. DG Culture)

Dr. Rafique Anjum represents the higher echelon of the modern Gojri scholarship. He is a multifaceted litterateur, both at creative and analytical levels. In some mythological representations, when I see men and women deities having scores of hands, I take it as a luxury of human imagination. But I have been encountering human beings in flesh and blood, albeit very rarely, who make me believe that they do possess more than a pair of hands. It is a figurative statement to describe their tremendous achievements. Dr. Rafique Anjum belongs to this illustrious if somewhat illusive species. He is a physician by profession and equal to his task. He is a poet, a short story writer, a researcher of repute and a linguist by intuition. He observes: "Pichli nisaf sadi men jo Gojri adab tehrir hua he us men se Dr. Rafique Anjum ka hissa nikaal dijiye to aesa khala samne aaye ga jo doonche suran men bolne lage ga"

#### Prof. Dr. JC Sharma (CIL Mysore)

The Gojri-English Dictionary by Dr. Rafique Anjum shows his passion which inspired him to grasp the intricacies and nuances of Linguistics and Lexicography. He has produced a good dictionary on scientific lines as reflected in this volume. He has done such a gigantic work single handedly that he deserves all appreciation. )



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# Entrepreneurship Skill Development & Rural Livelihoods

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## About the Editors



**Mr. Sunil Bhardwaj** is presently Assistant Professor and Placement Coordinator in The Business School, Bhaderwah Campus, University of Jammu. He has done MBA from BGSBU in finance and marketing and has qualified UGC-JRF in 2009. His area of interest includes derivatives, financial markets, financial inclusion, macro-economy, financial management & international business. He has presented more than twenty research papers at different institutions of global repute which include IIM Kolkata, IIT Roorkee, IIT Delhi etc. Most of his research papers are published in journals of international repute. He is convener and member of many important committees of the campus. He is guest faculty to many institutes in the state including Jammu Kashmir Entrepreneur Development Institute. He is a member of many technical and management associations including Global Initiative of Academic Networks (GIAN).



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## A Comparative Analysis of Pull and Push Factors Associated with Migration: A Case of District Udhampur

Jatinder Kumar\* & Dr. Radha Gupta\*\*

### ABSTRACT

This paper is an attempt to understand the emerging migration patterns in urban district of Jammu and Kashmir state. Analysis of the pattern of migration helps us to assess the role of various economic factors influencing migration. With Globalization, Urbanization and recent times. The emerging migration pattern depicts confinement of migrants in lower socio-economic class in Urban India in response to the macro economic reforms. The latest NSS data (2007/08) on migration reveals a gloomy and divergent picture of recent migrants who have migrated prior to five year. The study covered Udhampur district of Jammu Division as it is one of the district where people from all regions within or outside the state migrated. Sample has selected from the number of household who have migrated from all regions within or outside the state to Udhampur. The increase in number of household shall be the base for sample selection and data has been identified from 2001 to 2011 census. The reason for such divergent pattern of migration within a period of 10 years really needs to be investigated. Stratified random sampling has been used to select the sample from number of household migrated in urban area of different tehsils of Udhampur district. Hence, an enquiry into the changing pattern of migration is critical to explore the emerging issues, identify the challenges and main precedence required at policy level for urban development.

**Keywords:** Patterns, Globalization, Urbanization and Socio-economic Conditions

### Introduction

The movement of people from one place to another place with the motive of settling in the new location temporary or permanent is considered as migration. It is a common feature of a vibrant population all over the world. In nearly all developing countries, the major form of migration is rural to urban. Migration may be of individuals, family

Hasmat Malik · Smriti Srivastava  
Yog Raj Sood · Aamir Ahmad *Editors*

# Applications of Artificial Intelligence Techniques in Engineering

SIGMA 2018, Volume 1

Hasmat Malik · Smriti Srivastava  
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# Modeling and Analysis of the Photovoltaic Array Feeding a SPWM Inverter



Shirazul Islam, Farhad Ilahi Bakhsh and Qamar Ul Islam

**Abstract** This chapter deals with the advanced modeling and analysis of the photovoltaic cell when developed in MATLAB/Simulink environment. The modeling of the solar cell has been carried on the basis of the performance equation of the photovoltaic cell. The effect of the change in solar radiation and the temperature change has been successfully incorporated in this model. The major contribution made by the chapter is development of single-phase Sinusoidal Pulse Width Modulated Inverter (SPWM) which is being fed by the developed photovoltaic cell. The THD has been investigated by FFT analysis at the output of the inverter using power GUI block. The introduction of the inductive load at the output of the inverter shows the steep decrease in the value of THD in output current and voltage waveforms of the inverter and leading to improved performance of the SPWM inverter.

**Keywords** Modeling · Analysis · Solar photovoltaic (SPV) · MATLAB Sinusoidal pulse width modulated inverter (SPWM)

## 1 Introduction

Nowadays, due to continuous reduction in the cost of SPV system and steady growth in SPV technology; the SPV generation has added substantial social and economic profits. Large-scale SPV generation is a vital novel alternative source of energy for twenty-first century [1]. Since the output of a single cell is very small, therefore, large number of cells is connected in parallel and/or series to form panels or modules or arrays [2]. The performance of a SPV system (output power, current, and voltage) depends on the solar cell and array design quality as well as on the operating

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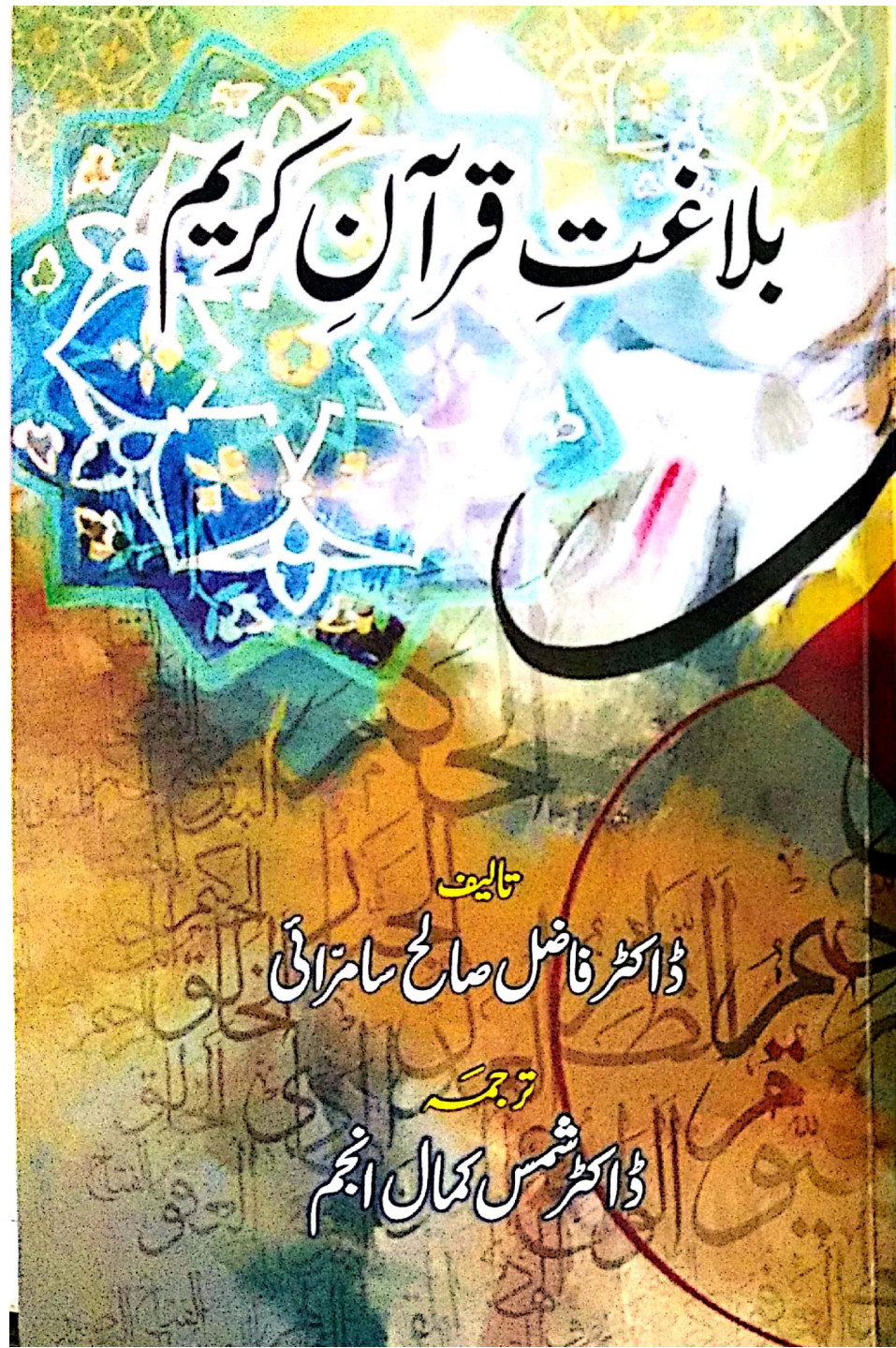
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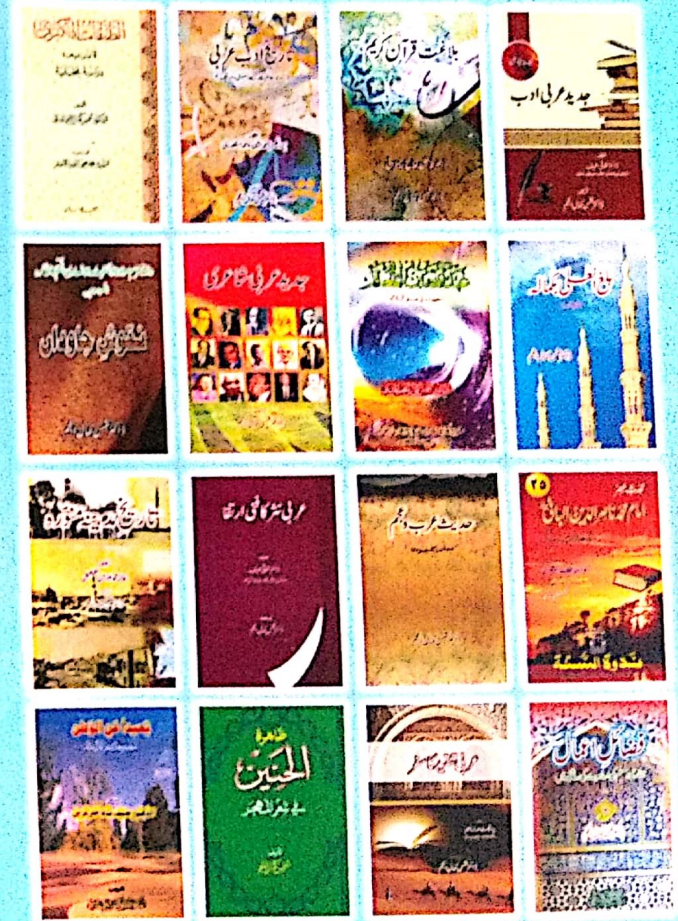
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## فہرست موضوعات

- ۱۳ \_\_\_\_\_ پیش لفظ از ڈاکٹر ابرار احمد اجراوی
- ۲۳ \_\_\_\_\_ عرض مترجم از ڈاکٹر شمس کمال انجم
- \_\_\_\_\_ ﴿هُدًى لِّلْمُتَّقِينَ﴾ اور ﴿هُدًى وَرَحْمَةً لِّلْمُحْسِنِينَ﴾
- ۶۳ \_\_\_\_\_ میں فرق
- \_\_\_\_\_ ﴿مِّن مِّثْلِهِ﴾ اور ﴿مِثْلِهِ﴾، ﴿وَادْعُوا شُهَدَاءَكُمْ﴾ اور ﴿وَادْعُوا مَنِ اسْتَطَعْتُمْ﴾، ﴿إِن لَّمْ تَفْعَلُوا﴾ اور ﴿وَلَنْ تَفْعَلُوا﴾ میں فرق
- ۶۳ \_\_\_\_\_
- ۶۹ \_\_\_\_\_ ﴿يَذُبُّحُونَ﴾ اور ﴿يُقْتَلُونَ﴾ میں فرق
- ۷۱ \_\_\_\_\_ ﴿أَرْبَعِينَ لَيْلَةً﴾ اور ﴿ثَلَاثِينَ لَيْلَةً وَاتَمَمْنَاهَا بِعَشْرِ﴾ میں فرق
- ۷۳ \_\_\_\_\_ ﴿وَلَا هُمْ يُنْصَرُونَ﴾ اور ﴿وَلَا هُمْ يُنْظَرُونَ﴾ میں فرق
- \_\_\_\_\_ ﴿لَهُمْ فِي الدُّنْيَا حِزْبٌ﴾ اور ﴿لَهُمْ حِزْبٌ فِي الدُّنْيَا﴾ میں
- ۷۶ \_\_\_\_\_ ﴿حِزْبٌ﴾ کی تقدیم و تاخیر کا سبب
- \_\_\_\_\_ ﴿حَتَّى تَتَّبِعَ مِلَّتَهُمْ﴾ میں ملتہ کو مفرد اور ﴿وَلَنْ تَرْضَىٰ عَنْكَ الْيَهُودُ وَلَا النَّصَارَىٰ﴾ میں لن اور لا کے استعمال کی بلاغت
- ۷۸ \_\_\_\_\_ ﴿بَعْدَ الَّذِي جَاءَ كَ مِنَ الْعِلْمِ﴾ اور ﴿بَعْدَ مَا جَاءَ كَ مِنَ الْعِلْمِ﴾، ﴿مِن وَّلِيٍّ وَلَا نَصِيرٍ﴾ اور ﴿مِن وَّلِيٍّ وَلَا وَاقٍ﴾
- ۸۰ \_\_\_\_\_ میں فرق

- ۸۴ ﴿الَّذِينَ هَدَى اللَّهُ﴾ اور ﴿الَّذِينَ هَدَاهُمُ اللَّهُ﴾ میں فرق —
- ۸۷ ﴿يَلْعَنُهُمُ اللَّهُ﴾ اور ﴿لَعْنَةُ اللَّهِ﴾ میں فرق —
- ۸۹ ﴿وَأَشْكُرُوا لِلَّهِ﴾ اور ﴿وَأَشْكُرُوا نِعْمَتَ اللَّهِ﴾ میں فرق —
- ۹۰ ﴿وَالْوَالِدَاتُ﴾ کے ساتھ ﴿عَلَى الْمَوْلُودِ﴾ کا مفرد استعمال اور ﴿عَلَى الْوَالِدِ﴾ کو حذف کرنے کی حکمت —
- ۹۲ طلاق اور وفات کے درمیان نمازوں کی حفاظت والی آیتوں کے ذکر کی حکمت —
- ۹۳ ﴿وَمَنْ لَمْ يَشْرِبْهُ﴾ کے بجائے ﴿وَمَنْ لَمْ يَطْعَمَهُ﴾ کا استعمال -
- ۹۴ ﴿أَنْتَى يَكُونُ لِي غُلَامٌ﴾ اور ﴿أَنْتَى يَكُونُ لِي وَلَدٌ﴾ میں فرق —
- ۹۵ ﴿كَفَرُوا﴾ کے ساتھ متکلم کے صیغے ﴿أَعَذَّبْتَهُمْ﴾ اور ﴿عَمِلُوا الصَّالِحَاتِ﴾ کے ساتھ غائب کے صیغے ﴿يُوقِيهِمْ﴾ کے استعمال کی بلاغت —
- ۹۷ ان کے ساتھ ب کے استعمال (بأنا) اور عدم استعمال (أنتى) کی بلاغت —
- ۹۹ ﴿وَلِلَّهِ عَلَى النَّاسِ حِجُّ الْبَيْتِ﴾ میں علی المسلمین کے بجائے ﴿عَلَى النَّاسِ﴾ کہنے کی حکمت و بلاغت —
- ۱۰۲ ﴿يَوْمَ تَبْيَضُّ وُجُوهٌ وَتَسْوَدُّ وُجُوهٌ﴾ کے بعد ﴿اسودت﴾ کی تقدیم اور ﴿ابيضت﴾ کی تاخیر کی حکمت و بلاغت —
- ۱۰۴ ﴿يَقُولُونَ بِأَفْوَاهِهِمْ﴾ اور ﴿يَقُولُونَ بِالسِّنْتِهِمْ﴾ میں فرق —
- ۱۰۷ ﴿اللَّهُ يُرِيدُ﴾ اور ﴿يُرِيدُ اللَّهُ﴾ میں لفظ الجلالہ کی تقدیم و تاخیر کی بلاغت —
- ۱۱۰ التوبة کو من اور عن کے ساتھ لانے کی بلاغت —
- ۱۱۳



- ۱۱۴ ﴿وَالْمُقِيمِينَ﴾ کو منصوب استعمال کرنے کی حکمت و بلاغت —
- ﴿وَأَتَيْنَا دَاوُدَ زُبُورًا﴾ میں دوسرے نبیوں کے برعکس داؤد کو زبور
- ۱۱۶ دینے کی صراحت کی توجیہ —
- ﴿أَنْ تَعْتَدُوا﴾ کو بغیر ﴿عَلَى﴾ کے اور ﴿الآتِعِدُوا﴾ کو ﴿عَلَى﴾
- ۱۱۹ کے ساتھ لانے کی بلاغت —
- ۱۲۰ ﴿أَرْجُلٍ﴾ کو لفظ ﴿وَجُودَةٍ﴾ پر عطف کرنے کی بلاغت —
- ﴿فَلَا تَأْسَ﴾ کے ساتھ ﴿عَلَى الْقَوْمِ الْفَاسِقِينَ﴾ اور ﴿عَلَى
- ۱۲۲ الْقَوْمِ الْكَافِرِينَ﴾ کے ذکر کی بلاغت —
- ﴿فَتَقَبَّلَ﴾ کو ﴿مِنْ﴾ اور ﴿عَلَى﴾ کے ساتھ استعمال کرنے کی
- ۱۲۴ بلاغت —
- ﴿وَإِنْ يَمْسَسْكَ اللَّهُ بِضُرٍّ﴾ کے ساتھ ﴿فَهُوَ عَلَىٰ كُلِّ
- ۱۲۶ شَيْءٍ قَدِيرٌ﴾ اور ﴿فَلَا رَادَّ لِفَضْلِهِ﴾ کے ذکر کی بلاغت —
- ﴿لَيْسَ لَهُمْ مِنْ دُونِهِ وَلِيٌّ وَلَا شَفِيعٌ﴾ اور ﴿مَا لَكُمْ مِنْ
- دُونِهِ مِنْ وَلِيٍّ وَلَا شَفِيعٍ﴾ میں ﴿لَيْسَ﴾، ﴿مَا﴾ اور ﴿مِنْ﴾
- ۱۲۷ کے استعمال اور عدم استعمال کی بلاغت —
- ۱۳۲ آیت کریمہ میں نبیوں کے ناموں کی ترتیب کی بلاغت —
- المُحْسِنِينَ، الصَّالِحِينَ اور الْعَالَمِينَ پر آیتوں کے اختتام کی
- ۱۳۶ بلاغت —
- ۱۳۹ ﴿اِقْتِدُوا﴾ کی ہاء کا مفہوم؟ —
- ﴿يَقْضُونَ عَلَيْكُمْ آيَاتِي﴾ اور ﴿يَتْلُونَ عَلَيْكُمْ آيَاتِ
- ۱۳۹ رَبِّكَ﴾ میں فرق؟ —
- ﴿لَا مَلَأَنَّ جَهَنَّمَ﴾ کو ﴿لَمَنْ تَبِعَكَ مِنْهُمْ﴾ اور ﴿وَمِمَّنْ
- ۱۴۴ تَبِعَكَ مِنْهُمْ﴾ پر مقدم اور موخر کرنے کی بلاغت —

۱۳۷ ﴿تَضَرُّعًا وَخُفْيَةً﴾ اور ﴿تَضَرُّعًا وَخُفْيَةً﴾ میں فرق —  
 ﴿فَانجِنَاهُ وَالَّذِينَ مَعَهُ﴾ اور ﴿فَنَجِّنَاهُ وَمَنْ مَعَهُ﴾ میں

۱۳۹ فرق

۱۵۱ ﴿آمَنْتُمْ بِهِ﴾ اور ﴿آمَنْتُمْ لَهُ﴾ میں فرق —

۱۵۲ ﴿فَخُذْ مَا آتَيْتُكَ﴾ اور ﴿فَخُذْهَا بِقُوَّةٍ﴾ میں فرق —

لفظ ذاب کا مفہوم اور ﴿فَأَخَذَهُمُ اللَّهُ بِذُنُوبِهِمْ﴾ اور ﴿فَأَهْلَكْنَاهُمْ

۱۵۷ بِذُنُوبِهِمْ﴾ میں فرق —

﴿وَلَوْلَا كَلِمَةٌ سَبَقَتْ﴾ کے ساتھ ﴿إِلَىٰ أَجَلٍ مَّسْمُومٍ﴾

۱۶۱ کے ذکر و عدم ذکر کی بلاغت —

۱۶۲ ﴿فَمَا﴾ اور ﴿وَإِنَّمَا﴾ کی لکھاوٹ میں فرق —

﴿وَمَا تُغْنِي﴾ اور ﴿فَمَا تُغْنِي﴾ میں لفظ تُغْنِي کو یاء کے ساتھ اور یاء

۱۶۸ کے بغیر لکھنے کی بلاغت —

﴿لَمْ يَكُونُوا مُعْجِزِينَ﴾ اور ﴿وَمَا أَنْتُمْ بِمُعْجِزِينَ﴾ کے

۱۶۹ بعد ماضی اور حاضر کے صیغے کے استعمال کی بلاغت —

﴿وَأَهْلَكَ﴾ کے اسم یا فعل ہونے اور ﴿سَبَقَ عَلَيْهِ

۱۷۰ الْقَوْل﴾ کے ساتھ ﴿مِنْهُمْ﴾ کے استعمال و عدم استعمال کی

توجیہ —

﴿وَاتَّبِعُوا فِي هَذِهِ الدُّنْيَا لَعْنَةً﴾ اور ﴿وَاتَّبِعُوا فِي هَذِهِ

۱۷۳ لَعْنَةً﴾ میں لفظ ﴿الدُّنْيَا﴾ کے ذکر و عدم ذکر کی بلاغت —

﴿وَأَخَذَ الَّذِينَ ظَلَمُوا الصَّيْحَةَ﴾ اور ﴿وَأَخَذَتِ الَّذِينَ

۱۷۶ ظَلَمُوا الصَّيْحَةَ﴾ میں فعل کی تذکیر و تانیث کی حکمت و بلاغت —

﴿إِنَّا أَنْزَلْنَاهُ قُرْآنًا عَرَبِيًّا﴾ اور ﴿إِنَّا جَعَلْنَاهُ قُرْآنًا عَرَبِيًّا﴾

۱۸۰ میں فرق؟ —

# عربی نثر کا فننی ارتقا

تالیف  
ڈاکٹر شوقی ضیف  
سابق پروفیسر قاہرہ یونیورسٹی مصر

ترجمہ  
ڈاکٹر شمس کمال انجم

عربی نثر کا فننی ارتقا

ڈاکٹر شوقی ضیف  
ڈاکٹر شمس کمال انجم



ARABI NAS'R KA FANNI IRTEQA  
Urdu Translation from Arabic By  
Dr. Shams Kamal Anjum

اردو میں ترجمہ کا کافی کام ہوا ہے۔ لیکن اردو میں گیسوئے ترجمہ اب بھی منت پذیر شانہ ہے۔ لہذا ہماری زبان میں جو لوگ بھی ترجمہ نگاری کا کام کر رہے ہیں وہ زبان و ادب کا فرض کفایہ ادا کر رہے ہیں اور ہم سب کی طرف سے شکرے کے مستحق ہیں۔ عزیز القدر ڈاکٹر شمس کمال انجم بھی اردو زبان میں اس فرض کفایہ کو ادا کرنے والوں کی مختصری فہرست میں شامل ہیں۔ وہ عالمی سطح کے مصری ناقد و مورخ ڈاکٹر شوقی ضیف کی کتاب ”الادب العربی المعاصر“ کا ترجمہ کر کے عربی اور اردو دونوں سطحوں کے اہل علم سے داد تحسین حاصل کر چکے ہیں۔ مصنف مذکورہ ایک اور شہرت یافتہ کتاب ”الغن و مذاہبہ فی النثر العربی“ کا ترجمہ ڈاکٹر شمس کمال انجم کا نامزد ترین علمی شاہکار ہے۔ چونکہ ترجمہ نگاری میں ان کے ذوق و طبیعت کا آئینہ دار ہے۔

پروفیسر کفیل احمد قاسمی

شمس کمال انجم زبان اردو کے اسرار اور عربی کے رموز سے آگاہ ہیں اس لئے متن کی منتقلی کے عمل میں انہیں مشقتوں کا سامنا نہیں کرنا پڑا۔ زبان میدا اور زبان مقصد دونوں کی خوبیاں ’صرفیات‘ تشبیہات اور تلمیحات سے واقف ہیں اس لئے ان کا ترجمہ کھر دے ہیں کلا کلا نہیں ہوا۔ اس میں اتنی کٹکتلی سلاست ہے کہ ترجمہ پر شیخ زاد کا گماں گزرتا ہے۔۔۔۔۔ شمس کمال انجم کا کمال ہے کہ عربی سے نامائوس اور اجنبی طبقہ کو بھی انہوں نے ذہنی طور پر عربی کے جوہر سے جوڑ دیا ہے۔ اور وہ حلقہ بھی امر و القیس، این متفق ابیہ اطلا، مصری سے مکمل طور پر واقف ہو چکا ہے جو عربی کی کلاسیکی شعریات سے وحشت یا بیزاری محسوس کرتا تھا۔ اس کا ثبوت یہ ہے کہ معاصر اردو شاعری میں اب ان آوازوں کی بازگشت سنائی دینے لگی ہے اور تنقیدی حوالوں میں بھی عرب ناقدوں اور ادیبوں کے نام شامل ہونے لگے ہیں۔ خاص طور پر شوقی ضیف اب اردو داں طبقہ کے لئے اجنبی نہیں رہ گئے ہیں۔ ان کے تنقیدی معاملات سے شمس کمال انجم نے بحسن و خوبی واقف کرا دیا ہے۔ اردو کے تنقیدی ڈسکورس میں شوقی ضیف کی شمولیت اس اعتبار سے نیک قال ہے کہ شوقی ضیف کا دائرہ علم و ادراک بہت وسیع ہے اور ان کے کردہ نقد میں عربی کے علاوہ دیگر علوم و ادبیات بھی شامل ہیں۔ ان کا تنقیدی ذہن مربوط و منظم ہے۔ انہوں نے عربی ادب کی تاریخ جس طور و طرز پر لکھی ہے وہ اردو ادب کی تاریخ لکھنے والوں کے لئے قابل تقلید ہے کہ اس میں انہوں نے سوانحی تفصیلات نہیں بلکہ تنقیدی ژرف نگاہی کا مکمل ثبوت دیا ہے۔

حفانی القاسمی

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# Postcolonial *English* Literature

THEORY AND PRACTICE



*Edited by*  
DIPAK GIRI

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## Depiction of Religion as an Oppressive Weapon in Chimamanda Ngozi Adichie's *Purple Hibiscus*

Dr. Romina Rashid and Asma Zahoor

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### Introduction

Literature and life have since ages been connected to each other such that the experiences of life easily find a way in the literary works of any age. Life in its entire multiplicity is far from being a simple phenomenon; its complexity owing to the varied dimensions it is composed of makes it an appropriate subject matter for literature. The culture, traditions, society, politics etc. all being an indispensable part of life are therefore also a part and parcel of literature. In the words of Mary Modupe Kolawole, "from the beginning, literature...was often a recreation of cultural histories with political and ideological undertones" (2).

Literature written in any age is shaped by the ideology that prevails during that time. This ideology is determined by the agencies in power which are in turn designated by the economic base according to Marxist thought. The prevalence of any ideology requires certain agencies which Althusser has divided into two separate groups i.e. Ideological State Apparatus (ISA) and Repressive State Apparatus (RSA). As far as the latter is concerned, it includes the ways which subconsciously work on the minds of people such that people don't get the slightest idea of being influenced. This apparatus makes use of the agencies like