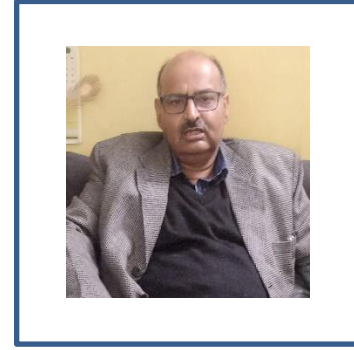




Dr Bhim Rao Ambedkar College
University of Delhi



Name : Dr. Rakesh Shahani

Associate Professor (Department of Business Economics)
Dr Bhim Rao Ambedkar College, University of Delhi
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Education

PhD	Department of Business Economics (Univ. of Delhi)	2002-06
M.Phil	Department of Business Economics (Univ. of Delhi)	1991-95
MBE	Department of Business Economics (Univ. of Delhi)	1988-90
B.Com(H)	University of Delhi	1986-88

Teaching and Appointment

Associate Professor	Dr. Bhim Rao Ambedkar College (Univ. of Delhi)	2008-till date
<i>(Course : BBE)</i>		
Reader/Lecturer	Dr. Bhim Rao Ambedkar College(Univ. of Delhi)	1996 onwards
Lecturer	Ramjas & PGDAV Colleges	1995-1996
Visiting Faculty	Department of Bus. Economics (MBE) (University of Delhi)	1998-2010 <i>(12 years, Odd semester)</i>
Consulting Faculty	London School of Economics(Gurgaon Chapter)	2007-2009
Consulting Faculty	National Stock Exchange <i>(Capital Markets Professional Programme)</i>	2009-2011

Specialization:

1. Finance
 2. Econometrics/Analytics
-

Papers taught over the years

Academic Papers :

1. Financial Markets & Services
2. Indian Financial System & Markets
3. Security Analysis & Port. Management
4. Investment Management
5. International Finance
6. Derivatives and Risk Management
6. Corporate Valuation
7. Quantitative Techniques for Management
8. Behavioral Finance

Skill Based Papers

1. IT Skills and Analysis-I&II
2. Database and Statistical Packages (SPSS/EVIEWS)
3. Research Methodology
4. Big Data Analysis (with Python and Pandas)

Research Papers

1. Basic & Applied Econometrics
2. Advanced Econometrics

Computer Skills

MS Office, EVIEWS, SPSS, 'R', Python & PANDAS

Fellowship and Awards

Junior Research Fellowship (JRF) from University Grants Commission

Eleven (Nine Best & Two Second Best) Research Paper Awards for the following co-authored papers (***all co-authored with College BBE/BMS Students***) :-

- (1) *The nexus between economic growth, urbanization, trade, biocapacity and ecological footprint: The Indian Experience*, paper presented at 7th Biennial International Conference: Vision India@2047: Global Leader in Economic Growth, Sustainability & Decarbonization, March 21-22, 2024 at Sri Guru Gobind Singh College of Commerce, Pitampura, New Delhi

- (2) *Modelling non-linear co-integration and volatility linkages for crude and energy crops in India* at a two day International Conference on Corporate and Economic Transformation - Embracing the Change organized by Deen Dayal Upadhyaya College (Department of Management Studies & Commerce) along with Kautilya Foundation, Mar 24-25, 2022.
- (3) *Hedge and/or Safe Haven: Is Gold an effective instrument against stocks, rupee-dollar rate and crude: An Empirical Investigation from India*, at a National Conference on Emerging Perspectives of Finance and Changing Economic Scenario at IMS , Ghaziabad on Feb 29, 2020
- (4) *Modeling Sectorial Indices of NSE to ascertain seasonal variation and asymmetries in their return volatility : An Empirical Investigation* at an International Conference on Advances in Management Practices organized by JIMS Delhi, April 27, 2019 The paper received *Outstanding Research Work Award in the section on 'Advances in Financial Management Practices'*
- (5) *Non Linear Causality and asymmetries in Oil & Gold : An empirical investigation'* at a Conference on Emerging Trends in Management Practices organized by Rukmini Devi Institute of Advanced Studies, Delhi ,11-12 April 2019
- (6) *'A Comparative Analysis of the Seasonal Trends in India and other markets of the BRICS nations* at International Conference organized by Rukmini Devi Institute of Advanced Studies, Delhi ,12-13 April 2018
- (7) *'An empirical investigation of the inter-linkages between FII Investments, Index Movement and Volatility using VAR Methodology'* at HSB 9th Annual National Conference on Business & Management 8-9 Feb 2017
- (8) *'Random Walk Characteristics of Stock Indices of three South Asian Economies using Unit Root, Correlogram & Variance Ratio techniques: An Empirical Investigation'* Paper presented at National Conference on Financial System Reforms & Economic Growth: Issues & Challenges February 26-27, 2016 Organized by Lal Bahadur Shastri, Institute of Management
- (9) *'An empirical analysis of the of major sub segments of the MCX Commodity Indices using VAR Methodology'* presented at 7th COMIT 2016 International Conference Global Information & Business Strategies , Dec 16-17, 2016 organized by GIBS New Delhi
- (10) *'The Efficiency in the Indian Market in the weak form : Random Walk and Calendar Effect Investigation ,* paper presented at an International Conference *'India at the Crossroads'* Feb 7-8, 2014 organized by IBA GNIDA (UP) India.

- (11) 'Investigation of Causality between FII's and Mutual Fund Investment in India' presented at an International Conference 'Dynamics of Innovative Practices in Management' held on 22nd – 24th Dec., 2012 at Maharaja Ranjit Singh College of Professional Sciences, Indore (M.P)
-
-

Publications: (Research Papers in Journals) **Authored/Co-Authored**

Google Scholar : No. of Papers listed : 99, Citations : 112, h-index 5, i-10 index 2, link
<https://scholar.google.com/citations?user=ZVNxPjMAAAAJ&hl=en>

Research Gate: No. of Papers Listed 38, Citations : 37, h-index 3
<https://www.researchgate.net/profile/Rakesh-Shahani/publications>

Publications in Journals during the last five years (2020-2024)

2024

- Dynamic Interaction Between Food and Fuel Markets in India: Has India Joined the Global Race? Online first, Green and Low Carbon Economy, Bon View Publishing <https://doi.org/10.47852/bonviewGLCE42021575> (Coauthored with Anishka Taneja and Biki Das, Student BBE 2019-22)
- Is Environment Degradation a Pre-condition to Economic Growth? A Case of India and China, VISION: A Journal of Business Perspective <https://doi.org/10.1177/09722629211034090> Vol. 28(1), SAGE publications, SCOPUS (Coauthored with Nitin Khaneja , Student BBE 2015-18)

2023

- Do efficient commodity markets co-move: evidence from Indian base metals market, Mineral Economics, SCOPUS, Springer nature, Vol 36(3) <https://doi.org/10.1007/s13563-022-00353-z>. ISSN. 21912203 (Coauthored with Utkarsh Singhal, Student BBE 2018-21)

- Do Financial Assets Move in Tandem During High Impact Period of a Crisis: Evidence from Global Financial Crisis and COVID-19 Pandemic Periods; *Jindal Journal of Business Research* , **SAGE Publications**, **Journal in UGC Care List**, <https://doi.org/10.1177/22786821231165807> (**Coauthored with Riya Paliwal, Student BBE 2018-21**)
- An empirical investigation of the impact of spillover dynamics from crude to NSE Nifty Index during and prior to the COVID-19 pandemic period , *SN Business and Economics* , **Springer Nature Publications**, Vol 3 (8) , <https://doi.org/10.1007/s43546-023-00517-1> (**Coauthored with Riya Paliwal, Student BBE 2018-21**)
- Natural Gas and Crude: Evidence of non linear co-integration from Indian Commodities, *International Journal of the Energy-Growth Nexus*, **InderScience Publishers** <http://dx.doi.org/10.1504/IJEGN.2023.135298> (**Coauthored with Ankita Kumari Sharma and Govind Chhugani , BBE Students 2020-23**)
- Should gold and silver be regarded as two separate asset classes? New insight using threshold cointegration and volatility spillover methodologies; *HRC Journal of Economics and Finance*, Journal of Hans Raj College, Vol. 1(2), ISSN 2583-8814 (**Coauthored with Mehal Gogia Student BBE 2021-24 and Sujata Kumari, Student BBE 2020-23**)

2022

- Crude – energy crops nexus in light of biofuel policies: An empirical investigation from India, *OPEC Energy Review*, **SCOPUS, Wiley Publications**), Vol 46(2), 139-173 <https://doi.org/10.1111/opec.12224> ISSN. 1753-0229 (**Coauthored with Anishka Taneja, Student BBE 2019-22 and Anusha Goel, Research Scholar**)
- Dynamics of volatility behaviour and spillover from crude to energy crops: Empirical evidence from India, *Energy Nexus*, **SCOPUS, ScienceDirect (Elsevier)**, Vol. 8 Dec,pp 1-8, <https://doi.org/10.1016/j.nexus.2022.100152>. ISSN 2772-4271(**Coauthored with Anishka Taneja, Student BBE 2019-22**)

2021

- An econometric investigation of Dynamic Linkages between CO2 emissions, energy consumption, & economic growth: A Case of India and China, *Jindal Journal of Business Research* **SAGE Publications**, Vol 10(1) 107-127 ISSN: 22786821, **Journal in UGC Care List**, <https://doi.org/10.1177/22786821211002252> (**Coauthored with Aastha Bansal, Student BBE 2018-21**)
- Transmission & Spillover Dynamics Amongst the Base Metals in India during and prior to the Covid 19 Periods., *HSB Research Review* Vol 16(1) pp 1-11, ISSN:0976-1179, **Journal in UGC Care List** (**Coauthored with Harshita Khaneja , Student BBE 2018-21 and Anusha Goel, Research Scholar**)

- Is gold an effective hedge and/or safe haven instrument against stocks, rupee-dollar rate and crude: an empirical investigation from India. *Decision, IIM Calcutta* 48, pp.129–151, **Web of Science Journal** , **Springer Publications**, <https://doi.org/10.1007/s40622-021-00273-x> , **Journal in UGC Care List (Coauthored with Aastha Bansal, Student BBE 2018-21)**

2020

- Carbon Dioxide Emissions & Economic Growth: A Bivariate Co-integration Analysis for two emerging markets of India & China *Vision : A Journal of Business Perspective (SCOPUS)* DOI: 10.1177/0972262919855806, Vol. 24 (1) pp. 9-21 **SAGE Publications**. ISSN: 09722629 **(Coauthored with Kamyra Raghuvanshi, Student BBE 2015-18)**
- An Empirical Investigation of the Volatility Spill-over and Asymmetries between Nifty Index and Rupee-Dollar Exchange Rate , *Journal of Business Thought* , Journal of Sri Guru Gobind College of Commerce, **Journal in UGC Care List**, <https://doi.org/10.18311/jbt%2F2020%2F25712>, Vol. 11, pp. 41-50 ISSN (Print) : 2231-1734 , **(Coauthored with Prateek Tomar, Student BBE 2018-21)**
- Dynamics of Contagion and Spillover Effects: Further Evidence from Major Equity Markets *Prajnan, Journal of NIBM*, Vol. XLIX, No. 2 pp.161-184, **Journal in UGC Care List (Coauthored with Fahad Umar, Student BBE 2015-18)**
- Co-integration Dynamics amongst the three MCX Commodity Indices :Linear and Non-Linear Approaches , *IIM Shillong Journal of Management Science* , **SAGE** , Vol .11(3), pp. 155-168 Print ISSN : 0976-030X. Online ISSN : 0976-173X **(Coauthored with Uttara Bhardwaj , Student BBE 2017-20)**
- Gold Vs. India VIX : A Comparative Assessment of their Capacity to act as a Hedge and/or Safe Haven against Stocks, Crude and Rupee Dollar Rate *Business Analyst, Journal of SRCC* , Vol. 41(2) , . pp. 75-105 ISSN 0973 - 211X **(Coauthored with Aastha Bansal, Student BBE 2018-21)**
- Is There a Cointegration Amongst Sector-Specific Indices of the Indian Stock Markets? An Investigation Using ARDL with Single Structural Break *IUP Journal of Applied Finance*, Vol. 26, No. 3. pp. 28-47 ISSN: 0972-5105 **(Coauthored with Ananya Sharma, Student BBE 2015-18)**
- Empirical Investigation of Select NSE Sector specific Indices to ascertain seasonality & asymmetries in their return & volatility *Business Analyst, SRCC*, Vol. 41(1) ISSN 0973 - 211X. pp. 55-80 **(Coauthored with Ananya Sharma, Student BBE 2015-18)**
- Does the Energy-Food Nexus still exist: Empirical Evidence from the Indian Agriculture Sector post food crisis of 2006 **Effulgence** Vol. 18 (2) ISSN 0972-8058 pp 13-27 **(Coauthored with Shikshu Kumar, Student BBE 2015-18 and Anusha Goel, Research Scholar)**

- Revisiting Financial Development and Economic Growth nexus after incorporating Structural Breaks: Evidence from India *International Journal of Financial Management* , Vol. 10(1) pp.43-52. ISSN. 2319-4928 **(Coauthored with Keshav Sharma, Student BBE 2015-18)**
- Do the Macros have an Impact on Stock Markets: Investigation After Incorporating Structural Breaks *Presidency Journal of Management Thought and Research* , Vol. 10(1) pp. 1-16 ISSN 2229-5275 **(Coauthored with Prashant and Vijay Swami, Student BMS 2013-16)**

Publications (Prior to 2020 in Peer Reviewed Journals /Referred journals)

- Exploring Dynamic Linkages between inward FDI and Economic Growth; *Jindal Journal of Business Research SAGE Publications, Journal in UGC Care List* , Vol 8(2) pp.109-117 ISSN: 22786821 **(Coauthored with Aayushi, Student BBE 2015-18)**
- Impact Of Macro Economic Variables On India's Stock Market: A Dynamic OLS Approach *Business Analyst, SRCC* Vol. 40(2) ISSN 0973 - 211X. pp. 37-60 **(Coauthored with Bhavya Vashisht, Student BBE 2015-18)**
- Empirical investigation of application of concept of cognitive dissonance to Indian financial markets; *Gurukul Business Review*, Vol 15(1) pp24-35 ISSN No. 0973-9262) **Web of Science Journal (Coauthored with Mehak Gupta, Student BBE 2012-15)**
- A Study of the Movement of Interest Rates and Spillover of Volatility and Returns Amongst the Leading Bank Stocks in India ; *IUP Journal of Financial Risk Management*, 16(4) pp. 1-11 ISSN: 0972-916X **(Coauthored with Nikhil Nagpal, Student BBE 2015-18)**
- An Empirical Investigation of the Inter-Linkages Between Different Indices of Multi Commodity Exchange of India; *IUP Journal of Applied Economics*,18 (1) ISSN: 0972-6861 **(Coauthored with Udhav Sarin and Madhav Malhotra, Student BBE 2014-17)**
- Non Linear Causality and Asymmetries in Oil and Gold : An empirical investigation; *Effulgence*, Vol. 17(2) Spl. Issue ISSN 0972-8058 **(Coauthored with Rachna, Student BBE 2016-19)**
- An empirical investigation of the inter-linkages between different segments of the financial markets using VAR Methodology(2018) ; *HSB Research Review* Vol 13(2) ISSN :0976-1179 **Journal in UGC Care List (Coauthored with RajKamal, Student BBE 2014-17)**
- Role of Financial Development in Economic Growth of India : An Empirical Analysis (2018); *HSB Research Review* Vol 13(1) pp.1-7 ISSN :0976-1179

Journal in UGC Care List (Coauthored with Sakshi Sharma and Aakriti Ghildiyal, Student BBE 2014-17)

- Financial Development and Economic Growth Nexus-Empirical Investigation of three South Asian Economies (2018) ; *Pacific Business Review International* Vol.11(2), pp 69-78. **(Web of Science; Emerging Sources Citation Index Journal) (Coauthored with Sakshi Sharma and Aakriti Ghildiyal, Student BBE 2014-17)**
- Does Futures help in Price Discovery of Spot: An Empirical Analysis of the NSE Spot and Future Index of India (2018) ; *Business Analyst, SRCC Journal* Vol. 39(2) ISSN 0973 - 211X, 39(2), pp. 89-107 **(Coauthored with Gurpreet Singh, Student BBE 2015-18)**
- A Comparative Analysis of the Seasonal Trends in India and other markets of the BRICS nations (2018); *Effulgence*, Vol. 16 (1) ISSN 0972-8058**(Coauthored with Ananya Sharma, Student BBE 2015-18)**
- Empirical Investigation of the nature of Returns of Stock Prices of three prominent South Asian Markets using Parametric and Non-Parametric techniques, (2018); *Optimization*, Vol. 10 (2) **(Coauthored with Kaamil Chopra and Ramit Vazirani Student BMS 2013-16)**
- Co-Movement Dynamics of the stock index returns of the BRICS nations: an Empirical Investigation (2018) *AJMAAR*, Vol 8(1) (ISSN 2230 – 8660 (print) **Journal of Centre for Management Studies, Jamia Millia Islamia (Coauthored with Aman Jain and Yash Singhal Student BMS 2012-15)**
- Optimal Portfolio Construction for NSE Nifty using Linear Programming & Sharpe Single Index Model (2018), *Journal of Gandhi Institute of Technology & Management (GITAM)*, Vol. 16(2) (ISSN No. 0972-740X) **(Coauthored with Vijay Swami and Roshan Kumar Student BMS 2013-16)**
- Did 'BREXIT' lead to a Structural Break in Stock Returns of select EU Countries: A time series econometric investigation (2018); *IUP Journal of Financial Risk Management*, Vol. XV(2) ISSN: 0972-916X **(Coauthored with Mohammad Subhan Student BBE 2015-18)**
- Linkages between Stock and Commodity Indices : An Empirical Investigation (2018); *Effulgence* Vol. 16 (1) ISSN 0972-8058 **(Coauthored with Madhav Tiwari and Anuj Miglani, Student BBE 2015-18)**
- Dynamics of the Co-Movement of the Returns of the Sectorial Stock Indices of India, US & European Economies (2017), *IUP Journal of Financial Risk Management*, Vol XIV(3) ISSN: 0972-916X **(Coauthored with BBE Students; Abhishek Tanwar and Srimaan Gupta, 2012-15)**

- Long and Short Term Co-integration adjustment dynamics between NSE, NYSE and SSE using ARDL Bounds Testing Approach (2017), **HSB Research Review** Vol. XI(1) ISSN :0976-1179 , **Journal in UGC Care List* (Coauthored with Vijay Swami and Roshan Kumar Student BMS 2013-16)**
- An Empirical Investigation of Existence of Trading Strategy (Momentum or Contrarian) in Context of Indian Equities (2017); *Effulgence*, ISSN 0972-8058, Vol. 15(1) **(Coauthored with Prashant Singh Student BMS 2013-16)**
- A Study Of The Behaviour Of Stock Returns Due To M&A Of Select NSE Nifty Companies: The Event Study Approach” (2016) *Journal of Research and Studies, Journal of Aurobindo College, Delhi* Vol 1 (1) ISSN 2455-5401 **List(Coauthored with Chitrak Kumar ,Student BMS 2013-16)**
- The new emerging trends in Causality: The replacement of US Markets by European Markets(2016) *Academia, Journal of B R. Ambedkar College*, Vol 1 (1) ISSN 2395-0161**(Coauthored with BBE Students; Vaibhav Garg, Jatin Thakkar & Shubham Tandon, 2010-13)**
- A Comprehensive Evaluation of Select Large Cap and ELSS Funds Using Formula Based Risk Adjusted Performance Measures (2016) *IUP, Journal of Financial Risk Management*, Vol. XIII(2) ISSN: 0972-916X**(Coauthored with Param Raj Student BBE 2012-17)**
- Inter-linkages between movement of the Indian Rupee & BSE Sector Specific (IT) Index: An Empirical Investigation (2015); *IUP Journal of Applied Finance , IUP Publications* July (ISSN: 0972-5105) **(Coauthored with Udit & Moulik BBE Student 2012-15)**
- Empirical Test of the Random Walk Characteristics of the Stock Returns of Select South Asian Markets (2015) *Arthavaan, Journal of Bharti College, Delhi* Oct. pp 51-57, ISSN No. 2455-0353**(Coauthored with Kaamil Chopra and Ramit Vazirani Student BMS 2013-16)**
- Indian Banking Sector : Establishing a panel data econometric model of advances and deposits (2014); *P.R. Journal of Studies*, Vol 2(1) ISSN 2348-3652**(Coauthored with Isha Gupta and Sonal Gupta Student BBE 2012-17)**
- Evaluating the Performance Characteristics of Select Bank Funds using Popular and Advanced Measurement tools” **(2013)**; *International Journal of Management and Behavioural Science* ,Vol.5 pp 71-75 (ISSN 2278-5671) : **(Coauthored with BBE Students; Vishu Kapoor & Kunal Adhikari, 2011-14)**
- A Systematic Evaluation of Risk and Reward Characteristics of Mutual Funds with International Exposure using formula based advanced measurement tools (2013) *Commerce Spectrum, International Journal of Commerce and Business*, Vol 3, pp 22-28 (ISSN 2249-992X) **(Coauthored with Param Raj, Varun Goel & Sachin Chhabra, BBE Students 2012-15)**

Conference Proceedings as Chapters in Books (Coauthored*)

- ❖ Alternate Financial Assets and their Cointegration dilemma in Indian context: Can QARDL provide an answer (2024) as conference proceedings in edited book : Analect: Research Inputs in Sustainability, Technology, Entrepreneurship and Management, 1st STEM Conference HSB, GJUS&T (ISBN: 978-81-19956-61-6, pp 14-26)
- ❖ Validating the EKC Hypothesis amongst BRICS Nations using Agricultural Methane Emissions as a Proxy for Environment Degradation (2022) Conference Proceedings as edited book QUINTESSENTIAL REFLECTIONS Management Theory, Research and Practices,14 HSB National conference. pp 526-544, (ISBN 978-93-84871-21-5)
- ❖ Examining the Return-Volatility Relation under the Quantile Regression Framework: Fresh Evidence from India and US Markets(2022) Conference Proceedings as edited book QUINTESSENTIAL REFLECTIONS Management Theory, Research and Practices,14 HSB National conference. pp 22-25, (ISBN 978-93-84871-21-5)
- ❖ An Empirical Investigation into the Efficiency Parameter through Seasonal Movements in Security Prices of the BRICS nations(2018) Conference Proceedings 10 HSB National conference
- ❖ Co-Movement Dynamics of the stock index returns of the BRICS nations: an Empirical Investigation (2017). Emerging Issues in Finance, pp 269.
- ❖ Calendar anomalies in Stock Returns of Select South Asian Markets (2016) Management Mosaic : Traversing Across assorted research arena Wisdom Publications , Delhi (ISBN 978-93-85504-14-3)
- ❖ An Empirical test of the Stability of Stock Betas of the Stock Betas of the select BSE Sensex Companies ,(2016); Published in Conference Proceedings :UGC National Conference on Emerging Trends And Contemporary Issues In Finance, Dayal Singh Evening College (DU) (Conference Proceeding with ISBN No. 978-93-5254-818-7)
- ❖ Empirical Investigation of Asymmetric Relation between Stock Returns & Trading Volumes on the Indian Stock Markets".(2016) Published in Conference Proceedings , UGC National Conference on Emerging Trends And Contemporary Issues In Finance , March29-30, at Dayal Singh Evening College (DU)) (Conference Proceeding with ISBN No. 978-93-5254-818-7)
- ❖ A Study of the Dynamics of Cause - Effect relation between Investment Patterns of FII in India and the returns on CNX NSE Nifty (2015) Published in Conference Proceedings : Emerging Horizons in Business Management Victorious Publishers, Delhi .pp 325-336 (ISBN 978-93-84224-22-6)

- ❖ Evaluation of Select Sampled Index Funds using Tracking Error & Downside Risk Methodologies (2015) Published in Conference Proceedings : Emerging Trends in Business and Management, Anamica Pub Co, Delhi (ISBN 978-81-7975-663-8)
- ❖ GDP and Stock Indices of Asian Economies : Incorporating Heterogeneity in the Panel Data Model (2014) in A Beacon across Economics, Finance, Governance and Leadership in recent era : Published by Himalaya Publishing House, ISBN 978-93--5273-426-9, pp26-35
- ❖ Measurement of Quarterly Results Impact of Sensex Stocks on Sensex Movement : The Semi Strong Approach (2014) Published in Emerging Trends in Business and Economy, eds. Jain, Swati et. al. Excel Books: New Delhi, 162-177, (ISBN 978-93-5062-614-6)
- ❖ An empirical Analysis of the 'Day of the week effect' on Indian Market(2014)Conference Proceedings : Contemporary Issues in Leadership & Management ,Twenty first century publications pp 157-180 (ISBN 978-81-89463-82-3)
- ❖ Recent Trends in Causality : The Impact of European Markets (2014) Published in Conference Proceedings : Challenges of Globalization, Atlantic Publishers ,Delhi ,pp 259-270 (ISBN 978-81-269-1953-6)
- ❖ Modeling Equilibrium Relation between market returns of the US, European and Indian Markets through ECM and Co-integration Approaches(2013) Published in Indian Capital Markets: An empirical analysis, ICFAI University Press, Hyderabad. pp 99-106 (ISBN 978-81-3142-796-5)
- ❖ Indian Banking Industry: An Econometrics Model of Growth in Bank Advances(2014) Published in ' Financial Inclusion: New Paradigms' Navyug Books International, Delhi (ISBN 978-93-82974-21-5)
- ❖ Foreign Investment in India: Issues and Implications for Globalization (2005) Published in Globalization & World Economic Policies, Serials Pub, Delhi
- ❖ Stock Market Volatility: The Indian Experience,(2005) Published in Indian Economic Development & Business by New Century Pub, Delhi. (ISBN 81-7708-080-6).
- ❖ Driving Force Behind Environmental Protection : Mandatory or Voluntary(1997) , Economics of Environment and Natural Resource Management , CPDHE University of Delhi.
- ❖ Environmental and Trade Considerations in the South Asian Region (1997) Trade , Environment and Sustainable Development Mac Millan Press Ltd.
- ❖ The Efficiency in the Indian Market in the weak form : Random Walk and Calendar Effect Investigation(2014) Published in India at the Crossroads, LexisNexis India pp 95-104 (ISBN 978-93-5143-105-3)

- ❖ Adjustment Dynamics in Causal Linkages between Oil & Gold : An Empirical Investigation (2015) International Conference on Evidence Based Management, BITS Pilani
- ❖ 'A Study of Risk and Return Characteristics of Select Equity Linked Savings Schemes in India' (2013) Published in Emerging Issues in the Indian Financial Markets, Bloomsbury Pub, New Delhi. . (ISBN 9789382951216)
- ❖ 'Investigation of Causality between FIIs and Mutual Fund Investment in India' (2013), Published in 'Dynamic of Innovative Practices in Management' Excel Books, Delhi. . (ISBN: 978-93-5062-183-7)
- ❖ 'Checking the Consistency of the Performance of Select Large Cap Mutual Fund Schemes across benchmarks' (2013), Published in 'Dynamics of Innovative Practices in Management' Excel Books, Delhi. . (ISBN: 978-93-5062-183-7)
- ❖ '.Are Foreign Institutional Investors (FIIs) Fair Weather Friends'(2007), Published in 'Financial Services', Shree Publishers Delhi. (ISBN 978-81-8329-180-5)
- ❖ 'Impact and Implications of the entry of private players in the Insurance Sector', (2007), Published in 'Financial Services', Shree Publishers Delhi. (ISBN 978-81-8329-180-5)

Publications (Books Authored/ Edited)

- Authored a Book 'Financial Markets in India : A Research Initiative '2005, 2006 , 2008 & 2011 editions
- Authored a Book 'Financial Markets & Services', 2002 Pub by Galgotia Pub Co., Delhi
- Co-Edited a Book 'Asian Emerging Markets : Growth and Prospects', published by Dept of Bus. Economics , Dr Bhim Rao Ambedkar College, Delhi, May 2007. (Co-edited with Pramila Batra, Nomita Sharma, Neha Makkar)
- Co- Edited a Book 'Indian Economic Development & Business', 2005 by New Century Publications., Delhi (Co-edited with Prof Rashmi Agrawal and Dr S. C Aggarwal)

Papers: Presented at Workshops/ Conferences

- *The nexus between economic growth, urbanization, trade, biocapacity and ecological footprint: The Indian Experience (2024)* at 7th Biennial International Conference: Vision India@2047: Global Leader in Economic Growth, Sustainability & Decarbonization, March 21-22, 2024 at Sri Guru Gobind Singh College of Commerce, Pitampura, New Delhi

- ***Do ESG Indices across BRICS enjoy any dynamic relation: Empirical analysis using VARMA-GARCH Spillover Approach (2024)*** at 7th Biennial International Conference: Vision India@2047: Global Leader in Economic Growth, Sustainability & Decarbonization, March 21-22, at Sri Guru Gobind Singh College of Commerce, Pitampura, New Delhi
- ***Has Indian Capital Market Dynamics undergone a structural change during the recent past: An empirical investigation using break period analysis(2024)*** at an International Conference on Emerging Financial Trends: March 22-23, at Arun Jaitley National Institute of Financial Management
- ***Alternate Financial Assets and their Cointegration dilemma in Indian context: Can QARDL provide an answer (2024)*** at 1st STEM HSB Conference, Feb 29-Mar 1, Haryana School of Business , Hisar
- ***Assessing the environmental sustainability corridor for BRICS nations by integrating three SDGs, 'biocapacity' and 'ecological footprint' (2023)*** at SEEDS International Conference, NOIDA organized by Jaipuria Management Institute in collaboration with University of Middlesex, Dubai.
- ***Is Afghanistan Joining the global players of environment degradation through growth: Evidence from EKC and Dynamic Cointegration linkages (2023)*** at International Conference on Growth, Resilience, And Sustainability in an Uncertain World, April 11-12, Dept. of Economics, Central University of Rajasthan
- ***How consistent is the negative return-volatility relation across expiry dates of VIX indices: Evidence from US and Indian Markets using quantile regressions framework (2023)*** at 15th HSB Annual Conference, Feb 9-10, Haryana School of Business , Hisar
- ***Does Dynamic Linkages amongst base metals provide evidence of being an alternate asset class in Indian Context (2023)*** at 15th HSB Annual Conference, Feb 9-10, Haryana School of Business , Hisar
- ***Dynamic Interaction between food and fuel markets in India: Has India joined the global race (2022)*** at 3rd Capital Market Conference Dec 15-16, NISM Raigarh. Maharashtra
- ***Should gold and silver be regarded as two separate asset classes: New insight using threshold cointegration and volatility spillover methodologies(2022)*** International Conference on Business in Turbulent World : Keeping Connections Alive , LPU, Phagwara , 21 Nov.
- ***Natural Gas and Crude: Evidence of non linear co-integration from Indian Commodities (2022)*** International Conference on Business in Turbulent World : Keeping Connections Alive , LPU, Phagwara , 21 Nov
- ***An empirical investigation of the impact of Spillover Dynamics from Crude to NSE Nifty Index during and prior to the COVID 19 Pandemic period (2022)*** 4th International Conference on Financial Markets & Corporate Finance , IIT Mumbai , 7-9 JULY
- ***Modelling non-linear co-integration and volatility linkages for crude and energy crops in India (2022)*** at an International Conference on Corporate and Economic Transformation - Embracing the Change organized by Deen Dayal Upadhyaya College (Department of Management Studies , Commerce) along with Kautilya Foundation, 24-25 March
- ***Investigation of Traditional & Quantile Regression Approaches to Stock Return-Volatility Relation: A Comparative Assessment of Indian & US Markets(2022)*** at an International Conference on Corporate and Economic Transformation - Embracing the Change organized by Deen Dayal Upadhyaya College (Department of Management Studies , Commerce) along with Kautilya Foundation, 24-25 March

- **An empirical analysis of Return-Volatility relation for NSE (India) using traditional and quantile regression approaches (2019)** at 1st Capital Market Conference Nov 21-22, NISM Raigarh. Maharashtra
- **'Modeling Sectorial Indices of NSE to ascertain seasonal variation and asymmetries in their return volatility : An Empirical Investigation' (2019)** at an International Conference on Advances in Management Practices organized by JIMS Delhi. **80**
- **'Non Linear Causality and asymmetries in Oil & Gold : An empirical investigation' (2019)** at a Conference on Emerging Trends in Management Practices organized by Rukmini Devi Institute of Advanced Studies, Delhi.
- **Empirical Investigation of application of concept of Cognitive Dissonance to Indian Financial Markets (2019)** 41st All India Accounting Conference Manipal University , Jaipur
- **Co-Movement Dynamics of the stock index returns of the BRICS nations: An Empirical Investigation (2017)** 2nd International Finance conference, CMS,JMI
- **Testing the efficiency of the movement of prominent sectorial indices of the National Stock Exchange (2017)** at an National Seminar Managing Indian Economy; Challenges for the Future , at DDU College
- **Empirical Investigation of the presence of Structural Break in the behaviour of returns of the S&P NSE 500 Index(2016)** at 2nd International Conference on Applied Business & Economics (in Collaboration with The Indian Econometric Society), SMVDU, Katra
- **Establishing an panel data relation between GDP and FDI of BRICS nations using a fixed effects methodology(2014)** International Conference organised by Dept of Economics, University of Allahabad, Dec.
- **Evaluation and Comparison of risk adjusted returns between large cap and small cap mutual funds (2014)** at second international conference 'Transition from Past to Future in Science, Technology and Management, 3 E Innovative Foundation, New Delhi June 28-29
- **Indian Banking Sector : Establishing a panel data econometric model of advances and deposits (2014)** at second international conference 'Transition from Past to Future in Science, Technology and Management, 3 E Innovative Foundation, New Delhi June 28-29.
- **Does the popular BRICS Model reflect a contagion effect' (2014)** at an international Conference India 2020 Vision for the Financial Sector, Sri Guru Gobind Singh College of Commerce (Univ of Delhi) March 10-11
- **A Fixed Effects Approach to Modeling advances and deposits of the Indian Banking Sector (2014)** 'Eighth National Seminar on Capital Markets , IBS Gurgaon Feb 5
- **'The new emerging trends in Causality: The replacement of US Markets by European Markets'(2013)** at an International Conference 'Managing Change in Business and Economy' Pacific Academy of Higher Education and Research , Udaipur , 6-7 April
- **Disinvestment of Public Sector Undertakings: Is it Synonymous with PSU Reforms (2012)** '' at an International Conference on Contemporary Innovative Practices in Management ,Pacific Academy of Higher Education and Research , Udaipur April 13-14
- **NSE VS BSE: Are we going in the right direction' (2012)** at a UGC Sponsored National Seminar The Future of Corporate Finance in India Delhi College of Arts & Commerce. March 22-23
- **Causality between Sensex and Dow : Sub Prime and Beyond (2012)** 'Sixth National Seminar on Capital Markets , IBS Gurgaon March 2-3

- ***Risk Management and Global Financial Crisis' (2009)*** AICTE Sponsored National Conference Emerging Facets Of Management-Issues & Challenges ; ; AIMT , Ambala Haryana ,Nov 6-8
- ***Financial Engineering : Issues and Challenges (2009)*** Emerging Issues in Finance : Department of Business Economics (University of Delhi) Feb 9
- ***Issues in Behavioral Finance (2009)*** Emerging Issues in Finance : ; Department of Business Economics (University of Delhi) Feb 9th, 2009
- ***Universal Banking (2008)*** Changing Face of the Public Sector Banks in India' National Conference ;Kamla Nehru College, (University of Delhi) Jan
- ***'Financial Engineering : Risk Management or Risk Magnification'(2008)*** Management Science and Arts International Conference ; Gurukul Kangri Vishwavidyalaya Haridwar .Sep
- ***Managing Foreign Exchange Reserves in Context of Globalisation'*** (2004) Kautilya Foundation & Dept. of Bus. Economics. (University of Delhi) March 23rd
- ***The Tiger and the Dragon (2006)*** Emerging Economic Relations : India and the Neighbouring Countries ; Dept. of Business Economics,(Dr. B.R. Ambedkar College)

Reviewer of Research Papers

Decision: IIM Calcutta, Energy and Environment(Sage), HSB Research Review (UGC CARE).

Invited Lectures and Other Presentations

- As a **Session Chair** of Technical Session III: at *HSB 1st STEM Conference (Feb 2024)*
- As a **Session Chair** of Technical Session XI : Finance at *HSB 15th Annual National Conference on Business & Management (Feb 2023)*
- As a **discussant** at 4th International Conference on Financial Markets & Corporate Finance , **IIT Mumbai** (July 2022)
- As a **Session Chair** of Technical Session at *HSB 11th Annual National Conference on Business & Management (Feb 2019)*
- As a **Expert** for One day Workshop on Advanced Time Series Econometrics, Dept of Business Economics University of Delhi (Oct 2017)
- As a **Expert** for Workshop on Advanced Statistical Techniques (Topic EViews) (Oct 2015)
- As a **Session Chair** of Technical Session: VII Finance at *HSB 7th Annual National Conference on Business & Management (Feb 2015)*
- As a **Principal Speaker** for GNCOM at Greater NOIDA Institute of Management (2009)
- Delivered **Invited Lecture** 'How to Analyse Business Daily' to MBA Business Economics Students of Gurukul Kangri University Haridwar (Uttarakhand)
- Delivered **Invited Lectures** in Econometrics to MBA Business Economics Students of Gurukul Kangri University Haridwar (Uttarakhand)

- Invited as a **technical expert** for Workshop '*Globalisation and Indian Financial System*'; Dept of Financial Studies, Purvanchal University, Jaunpur (Oct 2007).
- Delivered a **special lecture** '*Derivatives and Risk Management*' to MBA (Finance) Students of Purvanchal University, Jaunpur (U.P) (Mar 2012)
- Delivered **four special lectures** '*How to test Market Efficiency*', '*Stock Market Volatility*', '*Getting optimal solution under dynamic programming*' and '*Statistical Measurement of Foreign Exchange Exposure*' to participants at AICTE Faculty Training Programme ; Shri Mata Vaishno Devi University, Katra, J&K (July 2009)
- **Presented a paper** '*India : The growing economic super power and what it entails for the rest of the world*' to the students and faculty members of different European Universities at European Management Institute (July 2009)
- **Keynote Address** '*Management Challenges in the Changing Global Business Scenario*' National Conference Greater Noida Institute of Technology, Greater Noida , (Nov 2009):
- Delivered two **special lectures** '*Financial Engineering :Issues and Concerns*' and '*Topics in Behavioral Finance*' to MFC Students of Purvanchal University, Jaunpur (U.P) (Nov 2008)
- Presented a paper '*Corporate Governance & Stock Prices*' at a refresher course organized by CPDHE (UGC-ASC of DU) , (May-June 2001)
- **Presented a paper** '*Some Issues In Behavioral Finance*' at a Refresher Course in Computer Applications organized by CPDHE (UGC-ASC of DU)
- Delivered **two special lectures** '*Behavioral Finance : A new Dimension in Finance*' and '*Financial Engineering for the beginners*' to MBA Students of Gurukul Kangri University Haridwar (Uttarakhand) (Feb 2009)

Popular Articles (in Magazines, Newspapers)

- '*Temporary Impact*(2008) : The Hindu Business Line, Delhi, 3rd March
- *If New Economy is Fast, Old Economy is Steady* (2000) PTI Eco. Service, June
- *Financial Evaluation of a Merger Proposal* (2001)) Published in *Business Economist*, Annual Magazine of the Dept. of Business Economics Univ. of Delhi, South Campus
- *Infotech Stocks :Where is the Summit* (2000), PTI Economic Service, April
- *Say Goodbye to Buyback* (2000) , PTI Economic Service ,May
- *Mutuals: Be Innovative* (2000) PTI Economic Service, June
- ABC of Foreign Investment in India (2012) Chetna, Annual Magazine of Dr. Bhim Rao Ambedkar College
- Gold ETFs : New Addition in the Basket of Collective Investment Vehicle(2013) Chetna, Annual Magazine of Dr. Bhim Rao Ambedkar College

Research Projects

- **Worked as a Principal Investigator for Project: EMI of Home Loan : A Study of Qualitative and Quantitative Factors (Awarded by University of Delhi under Innovative Projects scheme, :**
- *Paper Presentations as a **part of the Innovative Project:-***
- **“Factors Driving Demand for Residential Housing Loans in Delhi & NCR Region : An econometric analysis”** was presented at an international conference Emerging Trends in Business and Management : Shaping the Future at Deen Dayal Upadhyaya College (University of Delhi) Feb 6 & 9 , 2015
- **Modeling Relationship amongst variables impacting demand for residential houses in Delhi NCR Region: A Logistic Regression Approach** was presented at a UGC National Conference Emerging Trends & Challenges in Management Feb 27-28,2015 at Dept of Management Studies , Jai Narayan Vyas University , Jodhpur.

Project Guidance

Post Graduate Guidance (MBE Students, DU): Guided IVth Semester Projects of MBE Students for the year 2009-11 (3years).

Project Guidance (BBE Students DU): Guided Projects of Undergraduate Students (BBE) 2012-13 to 2021-22 (10 years) & further guidance in progress . Total No. of Students Guided (all ten years): approximately 200. Apart from guiding these projects, these undergraduate projects/dissertations were later modified as paper presentations & were presented at different national/international conferences. Some were published in Journals/Conference Proceedings

Curriculum Development

- Independently Designed Entire Finance Module (Four Papers: 1 *Financial Markets and Intermediaries* 2. *Applied Corporate Finance* 3. *Investment Management & 4. Derivatives And Risk Management*) for MBE Programme (University of Delhi) ; syllabus implemented w.e.f. acad. session 2010-11.
- Convener of *Entire Finance Module* (five papers) and *Entire Quantitative Techniques Module* (four papers) for undergraduate BBE Programme (Univ. of Delhi); syllabus implemented w.e.f. academic session 2010-11.
- Jointly Designed a number of papers (Financial Markets & Services, Investment theory and Portfolio Management, Basic Econometrics, Behavioral Finance) for the new UG BMS Programme of FMS, DU (introduced w.e.f 2013-14)
- Convener of the Finance Module (two papers), member of Quant Module (five papers) for the undergraduate BA (H) Bus.Economics Programme under Choice Based Credit System implemented w.e.f July 2015

Workshops and Discussions Organized:

- Two Workshops on ‘R Programming’ in the College (Sep 23-24 2015 & Oct 2016)
- Organized the following workshops for the Department of Business Economics (University of Delhi) and also acted as Workshop Convener/Coordinator:

- Workshop on Quantitative Techniques in Business: Oct 2009
- Workshop on Emerging Issues in Finance : Feb 2009
- Workshop on Asian Emerging Markets: Growth and Prospects : Jan 2007
- Organized the following Discussions for the Department of Business Economics (University of Delhi) and Kautilya Foundation, Delhi
 - Discussion on Union Budget 2008.
 - Managing Foreign Exchange Reserves in context of Globalisation
 - Discussion on the Direct Tax Code 2009

Details of Orientation Refresher Courses

- 3 week refresher course in Management from Jamia Millia Islamia
- 3 week refresher course in Bus. Economics by CPDHE (Univ. of Delhi)
- 4 week orientation programme by CPDHE (Univ. of Delhi)
- 4 week orientation programme by Jamia Millia Islamia
- One week workshop on R and Econometric tools at Delhi Technological University

Short Courses and Programmes Attended

- 9 month Prog. in Entrepreneurship from NIESBUD, Govt. of India .
- 3 month programme in Computers from NIIT
- 1 week FDP on 'E' Resources at SRCC, New Delhi.
- 1 week Workshop on 'R' and Econometric tools at DTU
- 3 day programme on Statistical Package for Social Sciences (SPSS) by SSCBS
- 2 day programme on Computational Techniques at SGTB Khalsa College
- 2 day programme on CETP, by IIPM
- 5 Day Workshop on Research Methodology in Financial Markets at Dept of Financial Studies University of Delhi,
- 2 Day Workshop on Emerging Issues in Accounting and Finance Research in India at Dept of Financial Studies University of Delhi

Miscellaneous

- Invited as an expert for MBA/MBE/MFC/BBS Viva for a number of Universities.
- BBE College Seminar Coordinator for the academic sessions 2004-07. Organized thirty (30) Seminars and two workshops during this period.
- Worked in a number of Research Projects at ICRIER and Institute of Economic Growth.
- Other Adjunct/Visiting Faculty assignments: Shaheed Sukhdev College of Business Studies (University of Delhi), Dept of Financial Studies (Purvanchal University) , Gargi College (Banking and Financial Services)
- Life Member : Kautilya Foundation, a body of academicians to promote academic interests.

Administrative Assignments at College Level

1. Teacher Incharge (Business Economics): Previous academic session 2022-23, Also five times in past by rotation.
2. Convener, Placement Committee 2013-16
3. Member, Academic Development Society for Students, 2015-23
4. Member, Seminar Conference Committee, 2015-21.
5. Member, Other Committees like Prospectus Committee, Canteen Committee, Library Committee etc. in the past

Examination and Evaluation Duties

1. All Invigilation duties as assigned by the college
2. Paper Setter (Convener and Examiner) for a no. of papers as required by University of Delhi

Notes (1)* *Only co-authors of Journals have been provided , For co-authors of conference proceedings, kindly refer the google scholar link or contact by mail.*

(2) *Only Journals Included in UGC Care List (Group I and II) have been considered , however UGC has recently introduced exact matching of dates for Journals included in UGC CARE List , this has however not be carried out.*

(3) *Standard Citation styles have **not** been followed for research papers.*

E&OE
