

Baselius College

(NAAC Reaccredited @ A Grade (with CGPA 3.11) & Fully Accredited by IAO) Kottayam, Kerala - 686 001 A Post Graduate Institution of the Orthodox Church with faculties of

Arts. Science and Commerce, affiliated to Mahatma Gandhi University

Phone 91-451 2563918 (Office) 2565958 (Principal) 2565958 (Fax) 9447214457 (Mobile) Website www.baselius.ac.in E-mail principal@baselius.ac.in bijuthomas@baselius.ac.in

Dr. Biju Thomas Principal

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

### Consolidated number of Books/edited volumes/conference proceedings from 2016-21

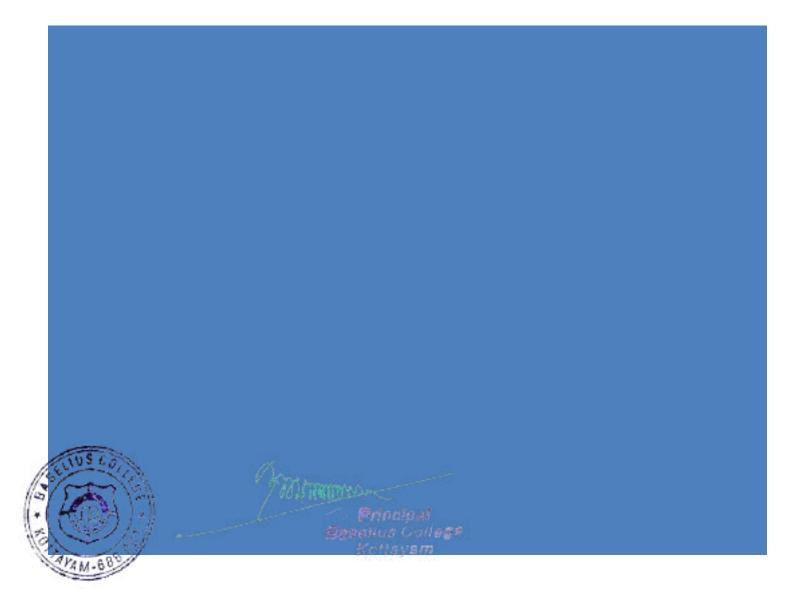
Sl.No.	Year	Total number of Books/edited volumes/conference	
1	2016-17	07	
2	2017-18	12	
3	2018-19	29	
4	2019-20	19	
5	2020-21	24	



Dartummer Batellus College Kottayam

## 3.3.3

### LIST OF BOOKS AND CHAPTERS IN EDITED VOLUMES/BOOKS PUBLISHED AND PAPERS PUBLISHED IN NATIONAL/ INTERNATIONAL CONFERENCE PROCEEDINGS PER TEACHER DURING 2018-19



SI. No.	Name of the teacher	Title of the Book/chapter/papers in proceedings of the conference	Name of the conference/Publishers	018-19 ISBN/ISSN numbe of the proceeding	
1	Dr.Krishnaraj M.V.	Complementary Chemistry for first year students	Brandmithra Publications	ISBN- 9785232619572	
2	Dr.Krishnaraj M.V.	Complementary Chemistry for Life Science Students	Brandmithra Publications	ISBN- 9782123465812	
3	Dr.Krishnaraj M.V.	Physical Chemistry- for Physics and Geology students	Brandmithra Publications	ISBN- 9782523165923	
4	Dr.Krishnaraj M.V.	Physical Chemistry- for Physics and Geology students	Brandmithra Publications	ISBN 9782776456	
5	Dr. Priya Tambi T	Doctoral thesis Organisation	Himalaya Publications	978-81-935740-2-	
6	Dr.Manoj Narayanan K S	Entrepreneurship Development and Project Management	Himalaya Publishing House	978-93-5273-665	
7	Dr.Manoj Narayanan K S	Corporate Accounts II	Kalyani Publications	978-93-5273-396	
8	Dr.Manoj Narayanan K S	Quantitative Techniques for Business – II	Himalaya Publishing House	978-93-5273-396	
9	Dr.Manoj Narayanan K S	Marketing Management	Kalyani Publications	978-93-5299-138-	
10	Dr.Manoj Narayanan K S	Quantitative techniques for Business – I	Kalyani Publications	978-93-272-9102-	
11	Dr.Manoj Narayanan K S	Quantitative methods for management	Himalaya Publishing House	978-93-272-8356	
12	Dr.Manoj Narayanan K S Dr.Resmi Annie	Service Marketing Gandhian Thoughts:	UGC-HRD Calicut	978-93-5299-549 ISBN:	
13	Thomas	Different Perspectives	Learners' Book house	9788194070405	
ius	Dr. Vidya Merlin Varghese	"Shifting Contours/Marring Boundaries: A Cultural Reading of Amitav Ghosh's Sea	Atlantic Publishers and Distributors	ISBN:978-81-269- 2943-6	

		of Doppies"		
		of Poppies"		
		"At the Limits of		
		Critique – Reading		
		Popular Fiction by	Albertian Knowledge	
		Reacquiring the	Summit – An International	
	Dr.Kavitha	Pleasures of	Conference on	
15	Gopalakrishnan	Criticism"	Multidisciplinary Research	978-93-5351-066-4
		Church History and its	Albertian journal of	
16	Dr.Viju Kurian	Other	Multidisciplinary Research	978-93-5351-066-4
		Mysticism :		
		Kazchapadukal	Christava Sahithya Samithy,	
17	Dr. Selvy Xavier	Anveshanangal	Thiruvalla	978-81-7821-810-6
18	Dr. Selvy Xavier	Novel Sahithyam	Turn Books, Pala	978-93-87709-01-0
	, Dr. Nibu A			ISBN:9788193
19	George	Physics in Daily Life	Lilly Publishers,	560129
		Environmental		
	Dr. Nibu A	Physics and Human		ISBN: 9788193
20	George	Rights	Lilly Publishers,	560136
		Perovskite		
		Photovoltaics: Basic		
		to Advanced		
	Dr. Aparna	Concepts and		
21	Thankappan	Implementation	Elsevier Science	ISBN: 0128129158
		Polymeric and		
		Nanostructured		
		Materials: Synthesis,		
		Properties, and		
	Dr. Aparna	Advanced		ISBN
22	Thankappan	Applications	Apple Academic Press	9781771886444
		Innovation in the life		
		insurance product		
		and distribution		
		channels in the		
		context of		
		liberalisation of the		
		life insurance sector		
		in India	Learners book house	
23	Dr Shaju MJ			ISBN:9781234567897
_		Growth of tourism in	Learners book house	
24	leeiamorenus c	Kerala; recent trends		ISBN:9781234567897
	S	(S)	000 hours	
	14/500	18	/ CONTINUEDO	
	1+1 HOR	4 +	Principal	
	1×10	11-1	Baselius Colle	дð
	12	2011	Kottayam	
	YAM-68	1		

		Key Challenges of		
		future Path of		
		globalisation in global	Learners book house	
25	Vijeesh Vijayan	economy		ISBN:9781234567897
		Globalisation and		
		impact on rural		
		economy with special		
		reference to rural	Learnersbook house	
26	Ashly Thomas	Infrastructure in India		ISBN:9781234567897
		Globalisation and the		
		chnaging conception		
		pattern of Keralites; a		
		study with reference	Learnersbook house	
27	Jithu K Giji	to Kottayam district		ISBN:9781234567897
		Present Scenario of	Learnersbook house	
28	Thara Thomas	agriculture in Kerala		ISBN:9781234567897
		Economics of Growth	Learnersbook house	ISBN:9788193703311
29	Ashly Thomas	and Development		



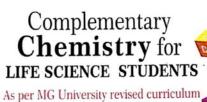
Minner Principal Baselius College Kottayam

#### Supporting documents of the books/chapters in edited volumes/ papers in conference proceedings during 2018-19





Mammens Principal Baselius College Kottayam



III & IV SEMESTER

#### SALIENT FEATURES OF THIS TEXT BOOK

- Simple, clear and systematic presentation of revised syllabus of M G University
- III and IV semester topics in a single book
- · Crisp treatment of topics
- Adequate use of chemical structures and schematic flowcharts
- Chapter wise questions based on latest question paper pattern
- . Madel question supers
- Prepared by experts, including faculty from life science.

Price: Rs .200.00

BrandMithra BrandMithra Publications



CO

Ca

Fe

Mn

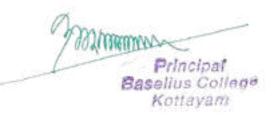
### Complementary Chemistry for LIFE SCIENCE STUDENTS

As per MG University revised curriculum III & IV SEMESTER

> Dr. Ajith James Jose Dr. Saritha Chandran A. Dr. Krishnaraj M. V.

ONH





#### Physical Chemistry FOR PHYSICS & GEOLOGY STUDENTS As per MG University revised curriculum III SEMESTER

#### SALIENT FEATURES OF THIS TEXT BOOK

- · Simple, clear and systematic presentation of revised syllabus of M G Univer-
- Crisp treatment of topies
- Adequate use of diagrams, graphs, and equations.
- Chapter wise questions based on latest question paper pattern
- Worked out problems in each chapter
- Model question papers
- Prepared by experienced faculty

Price Rs: 110.00

BrandMithra BrandMithra Publications

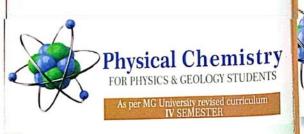


Principal Baselius College Kottayam

Dr. Ajith James Jose Dr. Saritha Chandran A. Dr. Krishnaraj M. V.

# Chemistry

FOR PHYSICS & GEOLOGY STUDENTS As per MG University revised curriculum III SEMESTER



#### SALIENT FEATURES OF THIS TEXT BOOK

- · Simple, clear and systematic presentation of revised syllabus of M G University
- Crisp treatment of topics .
- Adequate use of chemical structures and schematic flowcharts .
- Chapter wise questions based on latest question paper pattern .
- Worked out problems in each chapter .
- . Model question papers
- Prepared by experienced faculties



Price Rs: 125.00



Dr. Krishnaraj M. V.

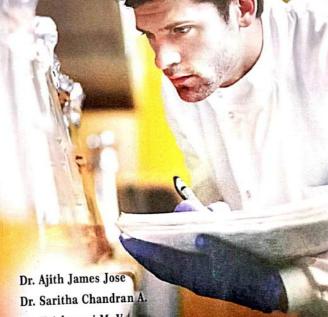


Minner Principal Baselius College Kottayam



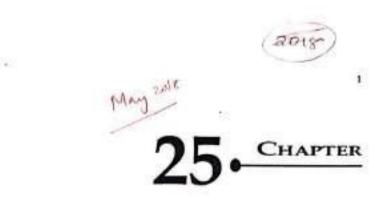
As per MG University revised curriculum IV SEMESTER

Physical Chemistry FOR PHYSICS & GEOLOGY STUDENTS









### DOCTORAL THESIS ORGANISATION

Dr. Sabu MC<sup>1</sup> Dr. Priya Thambi T<sup>2</sup> <sup>1</sup>Principal, Mookambika College of Pharmaceutical Sciences and Research, Muvattupuzha, Kerala <sup>2</sup>Assistant Professor, Baselius College, Kottayam, Kerala

	Structure
	25.1 Learning Outcomes
•	25.2 Introduction
	25.3 Organization of Doctoral Thesis
•	25.4 Editing the Thesis
•	25.5 Bummary
•	25.6 Key Terms With Definition
•	25.7 Review Questions
	25.8 Applicative Questions
•	25.9 Case Study

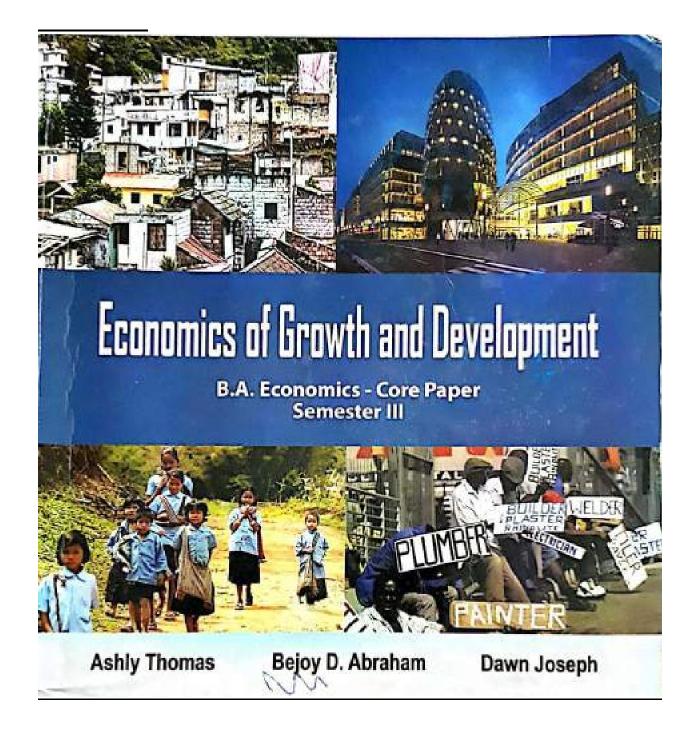
#### 25.1 Learning Outcomes

A thesis as an independent project is a self-directed process. You cannot expect that your academic advisor will give you assignments to complete, plan the project for you or give you a neat cookbook solution that you can just follow. You are on your own now - and you are writing a thesis that is longer than anything that you have ever written.

- The purpose of this thesis guide is to give you some good and practical advice on how to start, write, and complete your thesis.
- Thesis work is a great learning experience, and when you overcome the minor obstacles you
  are likely to confront before and during thesis writing, you are in for a lifetime experience
  that you will treasure for many years abead.



( I STREET YOU Principal Baselius College Kottayam





11/19/00 Principal Baselius College Kottayam

### **Our Publications**

B.A. History Semester I Social Formation in Pre-Modern India (Complementary)

Dr. Sumi Mary Thomas

Roots of the Modern World (Complementary)

Semester II Understanding Early India : From Hunting Gatherers To Land Grants (Core)

History of the Freedom Movement in India (Complementary)

Basic Economic Studies (Complementary)

Semester III

5 60

1 West

Cultural Trends In Pre-Colonial Kerala (Core)

Semester IV Making of Modern Kerala

Published by Learners' Book House Ph : 9447910419

M MM MAD

Basellus

Principal

Kottayam

Dr. Sumi Mary Thomas

Dr. Sumi Mary Thomas

Dr. Sumi Mary Thomas Jithin Sankar

Ashly Thomas Bejoy D. Abraham

Prof. G. Krishnan Nadar Dr. Sumi Mary Thomas Prof. Radhika G.

Dr. Sumullary Thomas



#### ECONOMICS OF GROWTH AND DEVELOPMENT (English)

Ashly Thomas, Bejoy D. Abraham & Dawn Joseph

June 2018 Edition All rights reserved by the Author

Printed at Learners' Press CMS College Road, Kottayam

Price Rs. 160/-

Get Your Copies from :

Learners' Book House & Ink Pot Designs CMS College Road Kottayam - 686 001 Ph : 9447910419, 9447794669 email : ashlymalayil@gmail.com bejoy6@gmail.com dawnmelvettom15@gmail.com



nmmmes-Principal Baselius College Kottayam

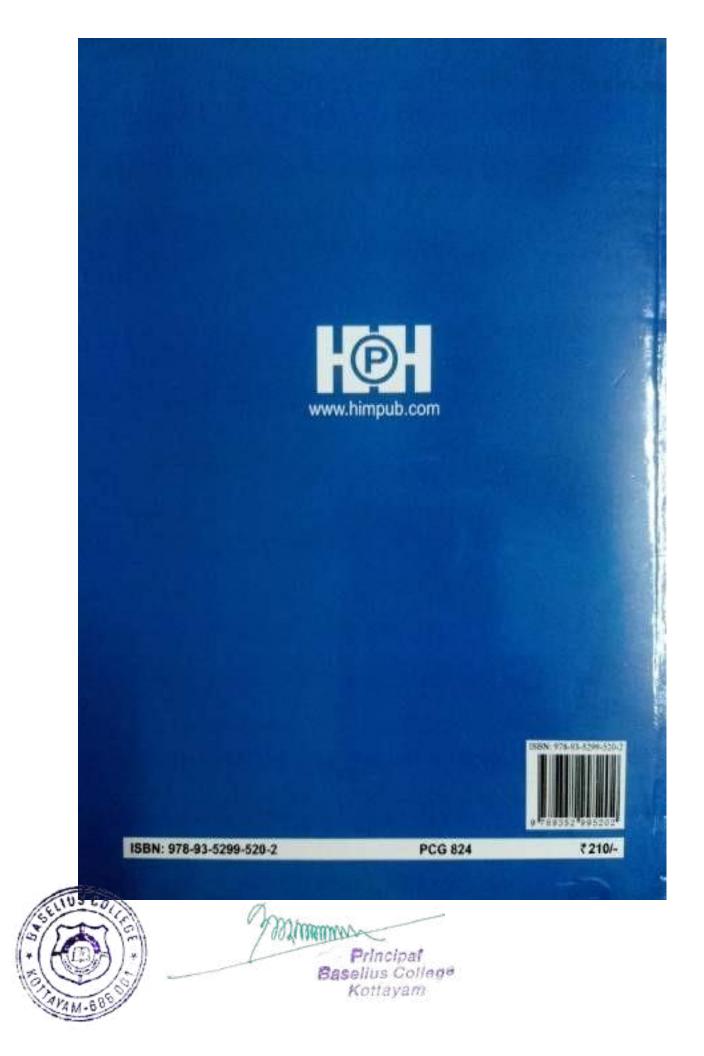
As per New CBCS Syllabus for IV<sup>n</sup> Semester, B.Com, of MG University w.e.f. 2017-18

# ENTREPRENEURSHIP DEVELOPMENT AND PROJECT MANAGEMENT

P.N. Harikumar Manoj Narayanan Susha D.

Hiso 9001 2015 CERTIFIED

Baselius College Kottayam



# ENTREPRENEURSHIP DEVELOPMENT

# AND PROJECT MANAGEMENT

[As per New CBCS Syllabus for 4<sup>th</sup> Semester B.Com, of MG University w.e.f 2017-18]

> K. SIVADASAN Himalaya Publishing House Pvt. Ltd. Mobile : 09387122121 E-mail: hphernakulam@yahoo.com

### Dr. P. N. Harikumar

M.Com, M.Phil, Ph.D (Commerce), MBA (HR & Marketing), Ph.D (Management) Associate Professor and Head, Research and Post-Graduate, Department of Commerce & Tourism Management, Catholicate College, Pathanamthitta, Kerala.

#### Manoj Narayanan

Assistant Professor, PG Department of Commerce, Baselius College, Kottayam, Kerala.

#### Dr. Susha D

M.Sc, M.Phil., Ph.D (Mathematics), Ph.D (Management) Associate Professor and Head, Research & Post Graduate, Department of Mathematics, Catholicate College, Pathanamthitta, Kerala.



ISO 9001:2015 CERTIFIED



n.		
1770	MIRINGAS	
1	Principal	
	Baselius College	
	Kottayam	

#### © AUTHORS

AUTHORS No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any torm or by any means, electronic, mechanical, photocopying, recording and/or otherwise without the prior written permission of by publishers.

### First Edition: 2019

Published by	:	Mrs. Meena Pandey for <b>Himalaya Publishing House Pvt. Ltd.</b> , Ramdoot, Dr. Bhalerao Marg, Girgaon, Mumbai - 400 004
		Phone: 022-23860170/23863863; Fax: 022.22077
Branch Offices	:	E-mail: himpub@vsnl.com; Website: www.himpub.com
New Delhi	:	Pooja Apartments, 4-B, Murari Lal Street, Ansari Road, Darya Ganj, New Delhi - 110 002. Phone: 011-23270392, 23278631; Fax: 011-23256286
Nagpur	:	Kundanlal Chandak Industrial Estate, Ghat Road, Nagpur - 440 018. Phone: 0712-2738731, 3296733; Telefax: 0712-2721216
Bengaluru	:	Plot No. 91-33, 2nd Main Road Seshadripuram, Behind Nataraja Theatre, Bengaluru-560020. Phone: 08041138821; Mobile: 09379847017, 09379847005
Hyderabad	:	No. 3-4-184, Lingampally, Besides Raghavendra Swamy Matham, Kachiguda, Hyderabad - 500 027. Phone: 040-27560041, 27550139
Chennai	:	New No. 48/2, Old No. 28/2, Ground Floor, Sarangapani Street, T. Nagar, Chennai - 600 012. Mobile: 09380460419
Pune	:	First Floor, Laksha Apartment, No. 527, Mehunpura, Shaniwarpeth (Near Prabhat Theatre), Pune - 411 030. Phone: 020-24496323, 24496333, Mobile: 09370579333
Lucknow	:	House No. 731, Shekhupura Colony, Near B.D. Convent School, Aliganj, Lucknow - 226 022. Phone: 0522-4012353; Mobile: 09307501549
Ahmedabad	:	114, SHAIL, 1st Floor, Opp. Madhu Sudan House, C.G. Road, Navrang Pura, Ahmedabad - 380 009. Phone: 079-26560126; Mobile: 09377088847
Ernakulam	:	39/176 (New No. 60/251), 1st Floor, Karikkamuri Road, Ernakulam, Kochi - 682011. Phone: 0484-2378012, 2378016; Mobile: 09387122121
Bhubaneswar	:	Plot No. 214/1342/1589, Budheswari Colony, Behind Durga Mandap, Laxmisagar, Bhubaneswar - 751 006. Phone: 0674-2575129; Mobile: 09338746007
Kolkata	:	108/4, Beliaghata Main Road, Near ID Hospital, Opp. SBI Bank, Kolkata - 700 010, Phone: 033-32449649; Mobile: 07439040301
DTP by	:	SPS, Bengaluru.
Printed at	:	M/s. Sri Sai Art Printers, Hyderabad on behalf of HPH. Principal Baselius College

Kottayam

As per New CBCS Syllabus for IV<sup>as</sup> Semester, B.Com, of MG University w.e.f. 2017-18

# **CORPORATE ACCOUNTS-II**

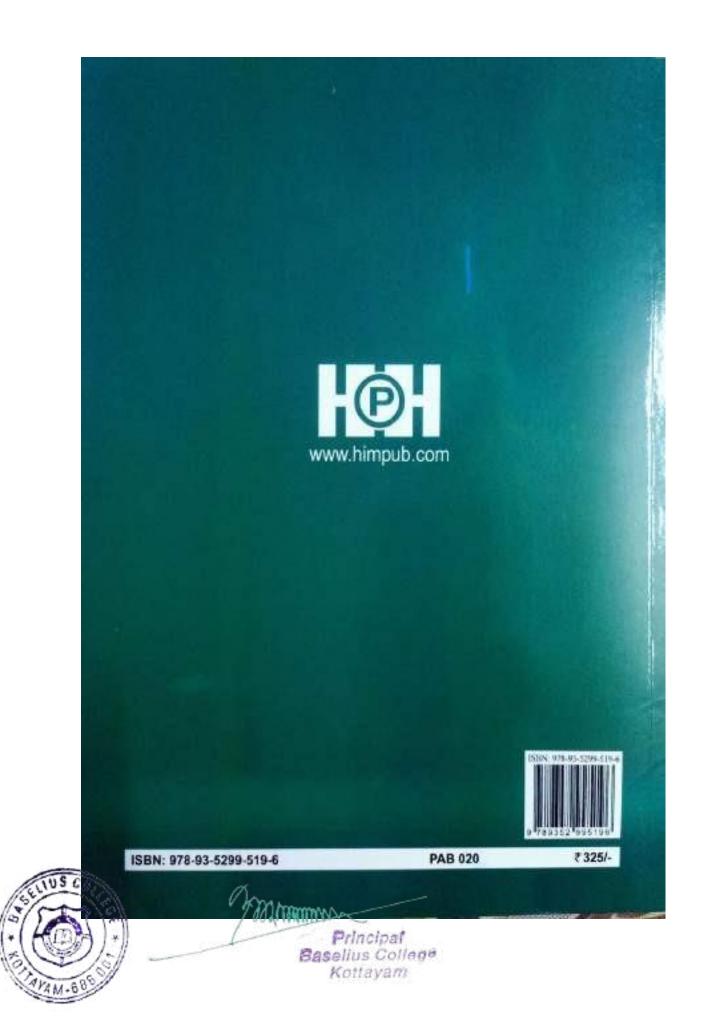
P.N. Harikumar Manoj Narayanan Gangadathan Nair D.

# Himalaya Publishing House



Principal Baselius College Kottayam

201 https://www.



# Corporate Accounts-II

[As per New CBCS Syllabus for 4<sup>th</sup> Semester B.Com, of MG University w.e.f 2017-18]

K. SIVADASAN

Himalaya Publishing House Pvt. Ltd. Mobile : 09387122121 E-mail: hphemakulam@yahoo.com

#### Dr. P. N. Harikumar

M.Com, M.Phil, Ph.D (Commerce), MBA (HR & Marketing), Ph.D (Management) Associate Professor and Head, Research and Post-Graduate, Department of Commerce & Tourism Management, Catholicate College, Pathanamthitta, Kerala.

#### Manoj Narayanan

Assistant Professor, PG Department of Commerce, Baselius College, Kottayam, Kerala.

#### Dr. Gangadathan Nair D.

Associate Professor and Head, PG Department of Commerce, SVRNSS College, Vazhoor, Kottayam.

## HOH Himalaya Publishing House

ISO 9001:2015 CERTIFIED



m	MARTINESSA
L	Principal
	Baselius College
	Kottayam

#### © AUTHORS

AUTHORS No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any transmission mechanical, photocopying, recording and/or otherwise without the prior written permission of u No part of this publication may be reproduced, along and/or otherwise without the prior written permission of the means, electronic, mechanical, photocopying, recording and/or otherwise without the prior written permission of the publishers.

#### First Edition: 2019

Published by	: Mrs. Meena Pandey for <b>Himalaya Publishing House Pvt. Ltd.,</b> "Ramdoot", Dr. Bhalerao Marg, Girgaon, <b>Mumbai - 400 004.</b> Phone: 022-23860170/23863863, Fax: 022-23877178 E-mail: himpub@vsnl.com; Website: www.himpub.com
Branch Offices :	
New Delhi	<ul> <li>"Pooja Apartments", 4-B, Murari Lal Street, Ansari Road, Darya Ganj, New Delhi - 110 002. Phone: 011-23270392, 23278631; Fax: 011-23256286</li> </ul>
Nagpur	: Kundanlal Chandak Industrial Estate, Ghat Road, Nagpur - 440 018. Phone: 0712-2738731, 3296733; Telefax: 0712-2721215
Bengaluru	: Plot No. 91-33, 2nd Main Road Seshadripuram, Behind Nataraja Theatre, Bengaluru-560020. Phone: 08041138821, 9379847017, 9379847005
Hyderabad	: No. 3-4-184, Lingampally, Besides Raghavendra Swamy Matham, Kachiguda, Hyderabad - 500 027. Phone: 040-27560041, 27550139
Chennai	: New No. 48/2, Old No. 28/2, Ground Floor, Sarangapani Street, T. Nagar, Chennai - 600 012. Mobile: 09380460419
Pune	: First Floor, "Laksha" Apartment, No. 527, Mehunpura, Shaniwarpeth (Near Prabhat Theatre), Pune - 411 030. Phone: 020-24496323/24496333; Mobile: 09370579333
Lucknow	: House No 731, Shekhupura Colony, Near B.D. Convent School, Aliganj, Lucknow - 226 022. Phone: 0522-4012353; Mobile: 09307501549
Ahmedabad	: 114, "SHAIL", 1st Floor, Opp. Madhu Sudan House, C.G. Road, Navrang Pura, Ahmedabad - 380 009. Phone: 079-26560126; Mobile: 09377088847
Ernakulam	: 39/176 (New No: 60/251) 1st Floor, Karikkamuri Road, Ernakulam, Kochi – 682011. Phone: 0484-2378012, 2378016 Mobile: 09387122121
Bhubaneswar	: Plot No. 214/1342/1589, Budheswari Colony, Behind Durga Mandap, Laxmisagar, Bhubaneswar - 751 006. Phone: 0674-2575129; Mobile: 09338746007
Kolkata	: 108/4, Beliaghata Main Road, Near ID Hospital, Opp. SBI Bank, Kolkata - 700 010, Phone: 033-32449649, Mobile: 7439040301
DTP by	: SPS, Bengaluru.
Printed at	: M/s. Sri Sai Art Printers, Hyderabad on behalf of HPH.



Baltimentes-Principal Baselius College Kottayam

# Quantitative Techniques for Business-II

B.M. Aggarwal Asha Thomas Manoj Narayanan K.S.

KALYANI

Principal Baselius College Kottayam For B.Com. 4th Semester Students of M.G. University



dos montess Principal Baselius College Kottayam

kalyani\_delhi@kalyanipublishers.in kalyani\_delhi@yahoo.co.in www.kalyanipublishers.co.in



## QUANTITATIVE TECHNIQUES FOR BUSINESS-II

#### For B.Com. 4<sup>th</sup> Semester Students of M.G. University

#### **B.M. AGGARWAL**

B.Sc. (Hons.) M.A. (Mathematics) Grad. I.E.T.E. (F.I.E.T.E.) Certificate Courses in Microwave and Satellite Engg. Visiting Professor and Author of Books in Mathematics, Statistics, Operations Research and Research Methods

#### ASHA THOMAS

#### B.Com., M.B.A., PGDBM UGC NET (Management) Research Scholar (DTU) Assistant Professor Jagan Institute of Management Studies New Delhi

#### MANOJ NARAYANAN K.S.

M.Com., M.A. (B.Eco.) UGC NET (Commerce) Assistant Professor Department of Commerce Baselius College Kottayam



## KALYANI PUBLISHERS

LUDHIANA – NEW DELHI – NOIDA (U.P.) – HYDERABAD - CHENNAI KOLKATA – CUTTACK – GUWAHATI – KOCHI - BENGALURU

150	TUSCO	R
15	A	19
131		131
No.	14M-685	Ý

Principal Baselius College Kottavam

## KALYANI PUBLISHERS

#### Head Office

B-I/1292, Rajinder Nagar, Ludhiana-141 008 Ph.: 0161-2745756, 2760029 e-mail : kalyanibooks@yahoo.co.in.website:www.kalyanipublishers.co.in

#### Administrative Office

4779, Ansari Road, 23, Daryaganj, New Delhi-110 002 Ph. 011-23271469, 23274393, 23278688 e-mail : kalyani\_delhi@yahoo.co.in

#### Works

B-16, Sector 8, Noida (UP)

#### Branches

 Mahalakshmi Street, T. Nagar, Chennai-600 017 Ph.: 044-24344684 Gopabandhu Lane, Behind Govt. Bus Stand, Badambadi, Cuttack-753012 (Odisha) Ph.: 0671-2311391
 3-5-1108, Narayanaguda, Hyderabad-500 029 (AP) Ph.: 040-24750368

Arunalaya, 1st Floor, Saraswati Road, Pan Bazar, Guwahati-781 001 Ph.: 0361-2731274 Convent Road, Kochi-682 035 Ph.: 0484-236189

No. 24 & 25, 1st Floor, Hameed Shah Complex, Cubbonpet Main Road, Bengaluru-560 002

Every effort has been made to avoid errors or omissions in this publication. In spite of this, errors may creep in. Any mistake, error or discrepancy noted may be brought to our notice which shall be taken care of in the next edition. It is notified that neither the publisher nor the author or seller will be responsible for any damage or loss of action to any one, of any kind, in any manner, therefrom. It is suggested that to avoid any doubt the reader should cross-check all the facts, law and contents of the publication with original Government publication or notifications.

For binding mistake, misprints or for missing pages, etc., the publisher's liability is limited to replacement within one month of purchase by similar edition. All expenses in this connection are to be borne by the purchaser.

0 27411 05

12+228=240, 28x40/16, 15 Form

© 2019, Aggarwal, B.M.; Thomas, Asha; K.S. Narayanan, Manoj

Typesetting & Diagrams by : (QTB-MG18) Datalink Computer



ISBN : 978-93-272-9840-6

PRINTED IN INDIA An Deepak Pustak Bandhnalaya M-205, Sec.-2, Bawana Industrial Area, Delhi Baselius College Kottayam As per New CBCSS Syllabus for HI" Semester. of MG University w.e.f. 2017-18

# Marketing Management

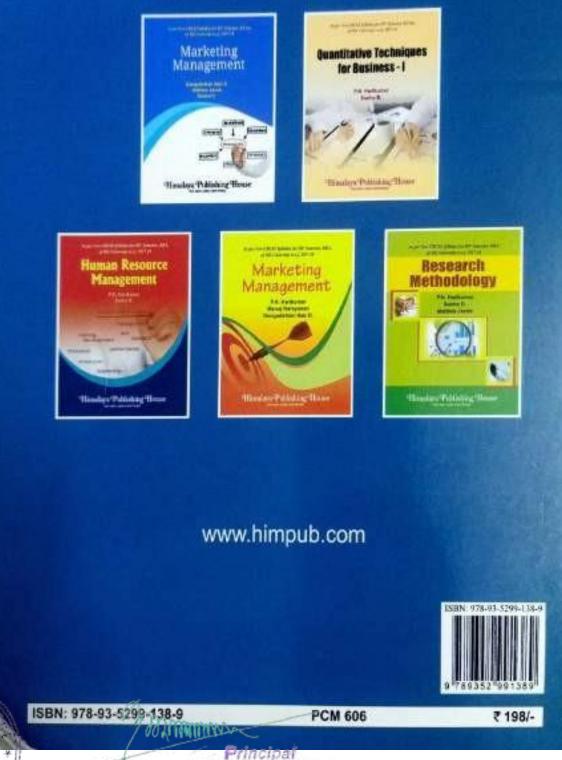
P.N. Harikumar Manoj Narayanan Gangadathan Nair D.

# Himalaya Publishing House



Principal Baselius College Kottayam

## 3rd Semester, B.Com. & BBA of MG University



Baselius College Kottayam

USCA

AVAM-6

# MARKETING MANAGEMENT

[As per New CBCSS Syllabus for 3<sup>rd</sup> Semester BBA, of MG University w.e.f 2017-18]

#### Dr. P. N. Harikumar

M.Com, M.Phil, Ph.D (Commerce), MBA (HR & Marketing), Ph.D (Management) Associate Professor and Head, Research and Post-Graduate, Department of Commerce, Management & Tourism, Catholicate College, Pathanamthitta, Kerala.

#### Manoj Narayanan

Associate Professor, PG Department of Commerce, Baselius College, Kottayam, Kerala.

#### Dr. Gangadathan Nair D.

Associate Professor and Head, PG Department of Commerce, SVRNSS College, Vazhoor, Kottayam.

> Mr. K. Sivadasan Himalaya Publishing House Pvt.Ltd. No 39/176. (New No.60/251), 1st Floor, Karikkamuri Road, Ernakulam - 682 011, Kochi, Kerala M. 0484-2378012/16 E-mail: hphernakulam@yahoo.com



# Himalaya Publishing House

ISO 9001:2008 CERTIFIED

Principal Baselius College Kottayam



#### © AUTHORS

AUTHORS No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording and/or otherwise without the prior written permission of the methods.

#### First Edition: 2018

: Mrs. Meena Pandey for <b>Himalaya Publishing House Pvt. Ltd.,</b> "Ramdoot", Dr. Bhalerao Marg, Girgaon, <b>Mumbai - 400 004.</b> Phone: 022-23860170/23863863, Fax: 022-23877178 <b>E-mail: himpub@vsnl.com; Website: www.himpub.com</b>
: "Pooja Apartments", 4-B, Murari Lal Street, Ansari Road, Darya Ganj, New Delhi - 110 002. Phone: 011-23270392, 23278631; Fax: 011-23256286
: Kundanlal Chandak Industrial Estate, Ghat Road, Nagpur - 440 018. Phone: 0712-2738731, 3296733; Telefax: 0712-2721215
: Plot No. 91-33, 2nd Main Road Seshadripuram, Behind Nataraja Theatre, Bengaluru-560020. Phone: 08041138821, 9379847017, 9379847005
: No. 3-4-184, Lingampally, Besides Raghavendra Swamy Matham, Kachiguda, Hyderabad - 500 027. Phone: 040-27560041, 27550139
: New No. 48/2, Old No. 28/2, Ground Floor, Sarangapani Street, T. Nagar, Chennai - 600 012. Mobile: 09380460419
: First Floor, "Laksha" Apartment, No. 527, Mehunpura, Shaniwarpeth (Near Prabhat Theatre), Pune - 411 030. Phone: 020-24496323/24496333; Mobile: 09370579333
House No 731, Shekhupura Colony, Near B.D. Convent School, Aliganj, Lucknow - 226 022. Phone: 0522-4012353; Mobile: 09307501549
114, "SHAIL", 1st Floor, Opp. Madhu Sudan House, C.G. Road, Navrang Pura, Ahmedabad - 380 009. Phone: 079-26560126; Mobile: 09377088847
39/176 (New No: 60/251) 1st Floor, Karikkamuri Road, Ernakulam, Kochi – 682011. Phone: 0484-2378012, 2378016 Mobile: 09387122121
Plot No. 214/1342/1589, Budheswari Colony, Behind Durga Mandap, Laxmisagar, Bhubaneswar - 751 006. Phone: 0674-2575129; Mobile: 09338746007
108/4, Beliaghata Main Road, Near ID Hospital, Opp. SBI Bank, Kolkata - 700 010, Phone: 033-32449649, Mobile: 7439040301
SPS, Bengaluru.
M/s Aur,a Oifset Process (I) Pvt. Ltd., Hyderabad. Principal Baselius College

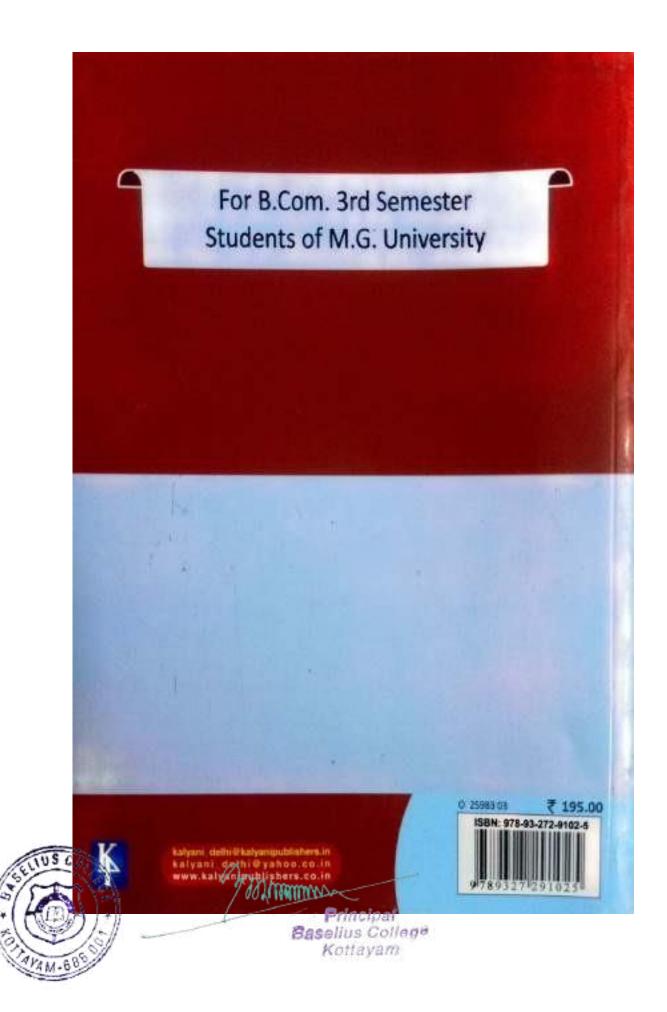
Kottayam

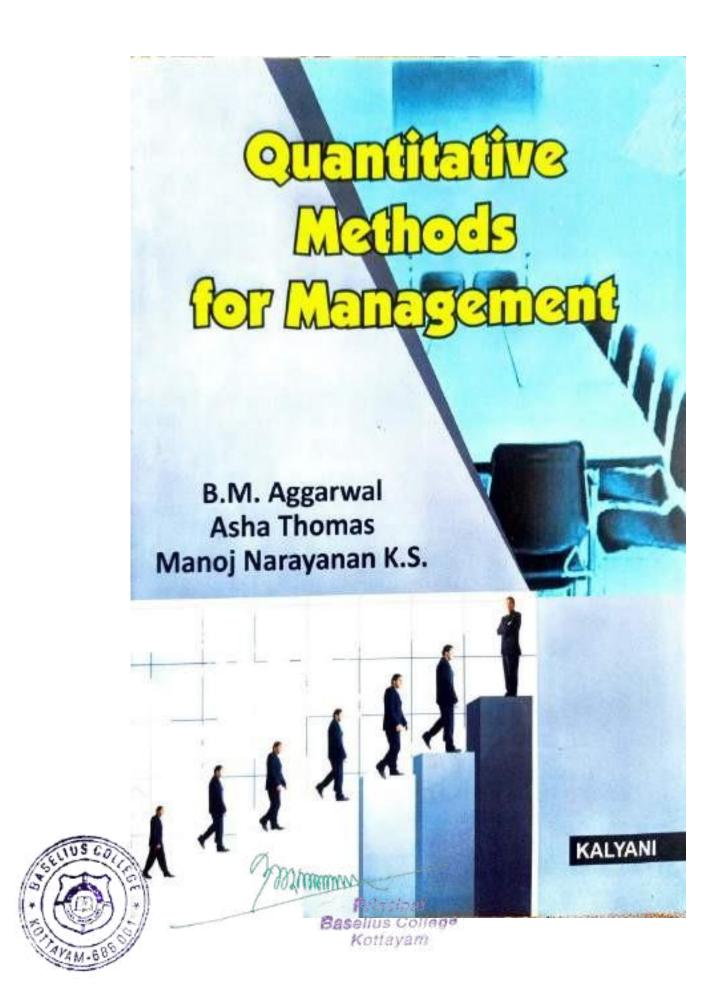
# QUANTITATIVE TECHNIQUES FOR BUSINESS-I

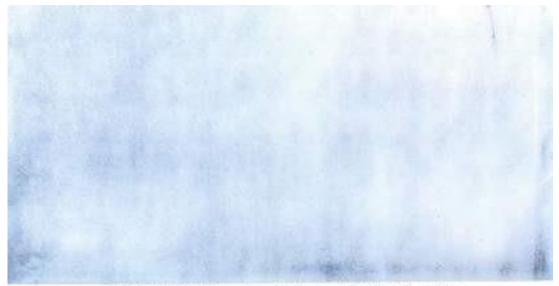
B.M. Aggarwal Asha Thomas Manoj Narayanan K.S.

> Baselius College Kottayam

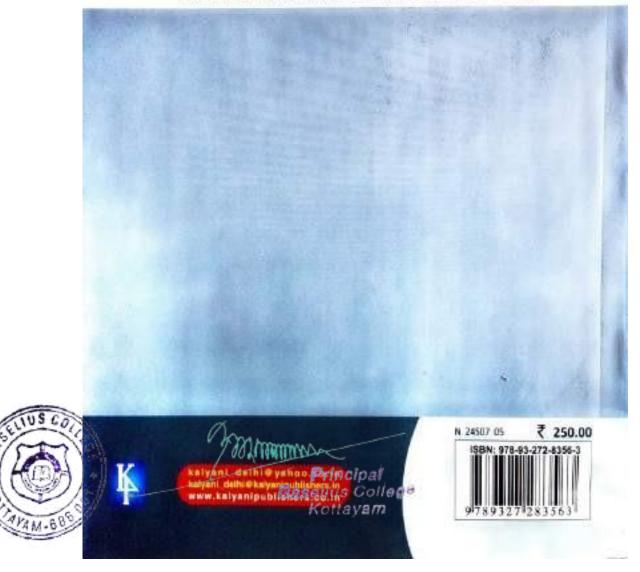
KALYANI







For M.B.A. 1st Semester Students of M.G. University



# QUANTITATIVE METHODS FOR MANAGEMENT

For M.B.A. 1st Semester Students of M.G. University

#### B.M. AGGARWAL

B.Sc. (Hons.), M.A. (Mathematics) Grad. I.E.T.E. (F.I.E.T.E.) Certificate Courses in Microwave and Satellite Engg. Visiting Professor and Author of Books in Mathematics, Statistics, Operations Research and Research Methods

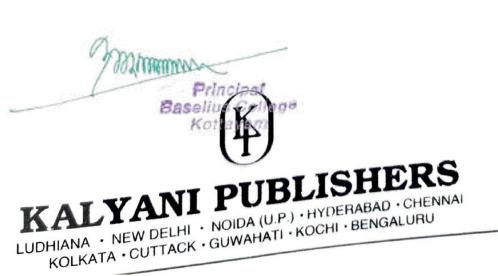
#### ASHA THOMAS

B.Com., M.B.A., PGDBM UGC NET (Management) Research Scholar (DTU) Assistant Professor Jagan Institute of Management Studies New Deihi

### MANOJ NARAYANAN K.S.

M.Com. M.A. (B.Eco.) U.G.C. NET (Commerce) Assistant Professor Department of Commerce Baselius College Kottayam





### **KALYANI PUBLISHERS**

#### Head Office

B-1/1292, Rajinder Nagar, Ludhiana-141 008 • Ph : 0161-2760031, 2745756 E-mail : kalyanibooks@yahoo.co.in Website : www.kalyanipublishers.co.in

#### Administration Office

4779/23, Ansari Road, Daryaganj, New Delhi-110 002 Ph : 011-23271469, 23274393 E-mail : kalyani\_delhi@yahoo.co.in

Works

B-16, Sector-8, NOIDA (U.P.)

#### Branches

1, Mahalakshmi Street, T. Nagar, **Chennai-**600 017 • Ph : 044-24344684 Gopabandhu Lane, Behind Govt. Bus Stand, Badambadi, **Cuttack**-753 012 (Odisha) • Ph : 0671-2311391

3-5-1108, Narayanaguda, Hyderabad-500 029 • Ph : 040-24750368

10/2B, Ramanath Mazumdar Street, Kolkata-700 009 • Ph : 033-22416024 Arunalaya, 1st Floor, Saraswati Road, Pan Bazar, Guwahati-781 001 • Ph : 0361-2731274 Koratti Parambil House, Convent Road, Kochi-682 035 • Ph : 0484-2367189 No. 24 & 25, 1st Floor, Hameed Shah Complex, Cubbonpet Main Road, Bengaluru-560 002

Every effort has been made to avoid errors or omissions in this publication. In spite of this, errors may creep in. Any mistake, error or discrepancy noted may be brought to our notice, which shall be taken care of in the next edition. It is notified that neither the publisher nor the author or seller will be responsible for any damage or loss of action to any one, of any kind, in any manner, therefrom. It is suggested that to avoid any doubt the reader should cross-check all the facts, law and contents of the publication with original Government publication or notifications.

For binding mistake, misprints or for missing pages, etc., the publisher's liability is limited to replacement within one month of purchase by similar edition. All additional expenses in this connection are to be borne by the purchaser.

KPP N 24507 05

© 2018, Aggarwal, B.M. • Thomas, Asha • K.S., Manoj Narayanan



Principal Baselius College

K Typesetting at Times Printographic

#### ISBN 978-93-272-8356-3

PRINTED IN INDIA At B.H. Brothers, Plot No. D3, Sector-B3, Tronica City As per New CBCS Syllabus for IV™ Semester, B.Com., of MG University w.e.f. 2017-18



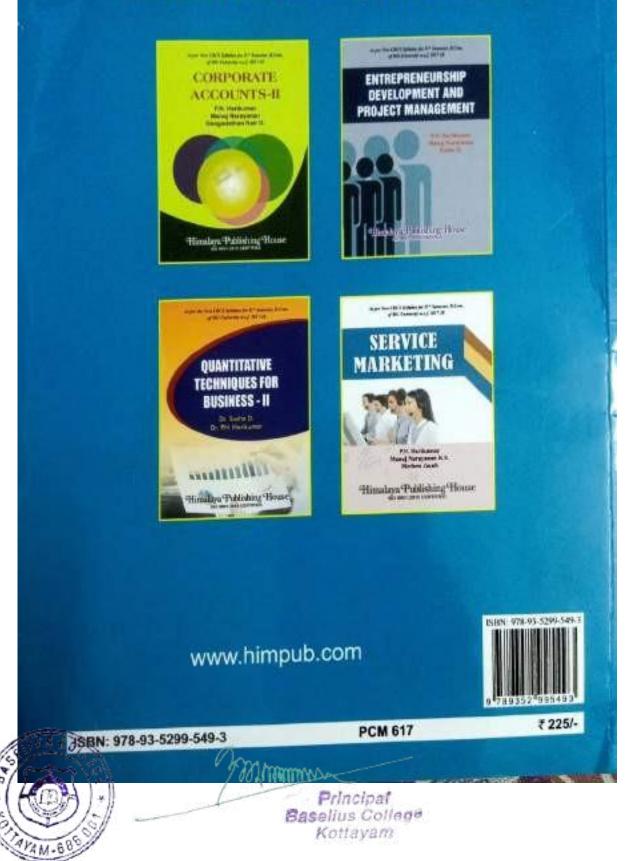


P.N. Harikumar Manoj Narayanan K.S. Mathew Jacob



Himalaya Publishing House

# 4th Semester, B.Com. of MG University



# SERVICE MARKETING

[As per New CBCS Syllabus for 4<sup>th</sup> Semester B.Com, of MG University w.e.f 2017-18]

### Dr. P. N. Harikumar

M.Com, M.Phil, Ph.D (Commerce), MBA (HR & Marketing), Ph.D (Management) Associate Professor and Head, Research and Post-Graduate, Department of Commerce & Tourism Management, Catholicate College, Pathanamthitta, Kerala.

### Manoj Narayanan K S

Assistant Professor, PG Department of Commerce, Baselius College, Kottayam, Kerala.

### Dr. Mathew Jacob

Assistant Professor, Research and PG Department of Commerce, St. Peters College, Kolencherry.



# @ AUTHORS

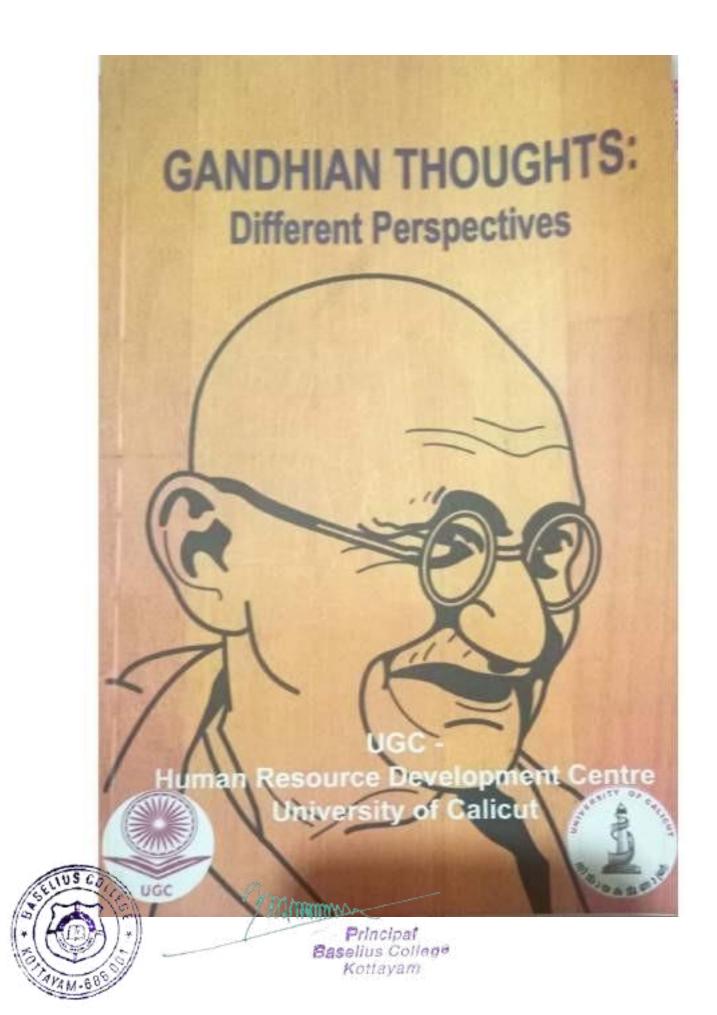
A STATE OF STATE OF STATE

AVAM-0

AUTHORS No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording and/or otherwise without the prior written permission of the publichers.

### First Edition: 2019

Published by	: Mrs. Meena Pandey for Himalaya Publishing House Pvt. Ltd., Ramdoot, Dr. Bhalerao Marg, Girgaon, Mumbai - 400 004
	Phone: 022-23860170/23863863; Fax: 022-23877178
	E-mail: himpub@vsnl.com; Website: www.himpub.com
Branch Offices	:
New Delhi	<ul> <li>Pooja Apartments, 4-B, Murari Lal Street, Ansari Road, Darya Ganj,</li> <li>New Delhi - 110 002. Phone: 011-23270392, 23278631; Fax: 011-23256286</li> </ul>
Nagpur	<ul> <li>Kundanlal Chandak Industrial Estate, Ghat Road, Nagpur - 440 018.</li> <li>Phone: 0712-2738731, 3296733; Telefax: 0712-2721216</li> </ul>
Bengaluru	<ul> <li>Plot No. 91-33, 2nd Main Road Seshadripuram, Behind Nataraja Theatre, Bengaluru-560020. Phone: 08041138821; Mobile: 09379847017, 09379847005</li> </ul>
Hyderabad	: No. 3-4-184, Lingampally, Besides Raghavendra Swamy Matham, Kachiguda, Hyderabad - 500 027. Phone: 040-27560041, 27550139
Chennai	: New No. 48/2, Old No. 28/2, Ground Floor, Sarangapani Street, T. Nagar, Chennai - 600 012. Mobile: 09380460419
Pune	: First Floor, Laksha Apartment, No. 527, Mehunpura, Shaniwarpeth (Near Prabhat Theatre), Pune - 411 030. Phone: 020-24496323, 24496333; Mobile: 09370579333
Lucknow	: House No. 731, Shekhupura Colony, Near B.D. Convent School, Aliganj, Lucknow - 226 022. Phone: 0522-4012353; Mobile: 09307501549
Ahmedabad	: 114, SHAIL, 1st Floor, Opp. Madhu Sudan House, C.G. Road, Navrang Pura, Ahmedabad - 380 009. Phone: 079-26560126; Mobile: 09377088847
Ernakulam	<ul> <li>39/176 (New No. 60/251), 1st Floor, Karikkamuri Road, Ernakulam,</li> <li>Kochi - 682011. Phone: 0484-2378012, 2378016; Mobile: 09387122121</li> </ul>
Bhubaneswar	<ul> <li>Plot No. 214/1342/1589, Budheswari Colony, Behind Durga Mandap, Laxmisagar, Bhubaneswar - 751 006. Phone: 0674-2575129; Mobile: 09338746007</li> </ul>
Kolkata OTP by	<ul> <li>108/4, Beliaghata Main Road, Near ID Hospital, Opp. SBI Bank, Kolkata - 700 010, Phone: 033-32449649; Mobile: 07439040301</li> <li>SPS Bengaluru.</li> </ul>
Printed at	: M/s. Sri Sai Art Printers, Hyderabad.
SI -	Baselius College Kottavam
4	PEDITU PARTA





# GANDHIAN THOUGHTS: Different Perspectives

English Principal Basellas College ( M ( ) ) Jong control ( )

# **GANDHIAN THOUGHTS: Different Perspectives**

Chief Editor: Prof. Dr. M.A. JOSEPH Editor:Dr. DEEPA. P. Sub Editor: Dr.ISMAIL. V Published in March 2019 By UGC-HUMAN RESOURCE DEVELOPMENT CENTRE, UNIVERSITY OF CALICUT

Layout: Anish-9349177497

Cover Design: Indulekha Dezines

Printed: Indulekha Books, Kozhikode

All rights reserved. No part of this publication may be reproduced, stored in or introduced into a retrieval system or transmitted, in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written permission of the publisher

ISBN: 978-81-940704-0-5 Rs. 700 Copies: 1000



	WINDOW ANAM K	199
	AAHMOOD ASLAM K Self reliance through make in India , Relevance of Gandhian thought in the Context of Swadeshi Movement	
22.84	11 AL 1 AL	205
	Gandhi and Environment, Exploring the green thought of Gandhian Ideology	~
23. N	EETHU P	21
	Look towards Gandhi's view on Science	
34 N	IMISHA BABU RAJ	22
	Gandhi's views on Truth and Non-violence , Significance and Relevance.	
	SAB T	22
1	Relevance of Gandhian Management Principles in Entrepreneurial Activities	
26: N	ISHA P.S	23
(Bridge)	Mahathma Gandhi on Women Empowerment	
27. PL	JTHUMA JOY	24
(	Sandhian Concept of Village economy	
	ATHI K N	24
	Relevance of M K Gandhi's Concepts on Work and skill on the Training LRSETI	
	SMI ANNIE THOMAS	2
	Corporate Social Responsibility in the Context of Gandhian Trusteeship	i
30. SA	DEEP K	2
0	Sandhian views on Health and Physical fitness in Daily ife	1



### Corporate Social Responsibility in the Context of Gandhian Trustoeship

Rental Avera Thereix Annual Patients, Patie start Department of Constance Benefics College Kottagare Annual College Kottagare

#### himitarian;

The assessment of the D1" contrary is step accept on the products and second to conserve through any furthers estimate at A bacarses, a net second solid to their second but the second eccurations of the interpret is well in the salid of the bacteria to particulate bounds the pactry is know that impair[ance be the pulpe. Materia Garder what showing the sense of the benefits wanted the wet being of the marry to sharings want to cannot the left of aquanty in the second that over your tion is the sorth and boars with regain rights here it insist from manufactory in party, candidate tracteriptics is based on the photocophy bar the weath decid be distributed or speet for the underprist region the Gentrum buchesing registry that, weath can be projuble by one's own officer or its many separate area chapted aways to manat that all the would does not being in that and usely that belongs to tren is the right to a second long and the must belongs to asheet, and route by used for for welling at the matrix floorent rating survice without ever, material arrange waithed and machine. All the five MA tradition with when and series one as he the clear model for thempship and the tions of all frees will be stor and for value structure. Garoffit always interest the accuracy on the result scan for the site of mergins would not the car is brough the human brains. Presents all periods in our many, hence it is branched of manifesting through composition a televise for the variances decision. We set to the parts of range marking and and where and the property have the other that the same of the beaution in the many for contrast of the gaugic we branged a contracting in the

256

Strategies to be associately for the bosonic fue averages, the nation in the soft of distributement.

Here is the first increment in the world is interceiver instruments beyond in and measured and grave the two world in the wave compared with the period of the anterceiver and the mean subsection of the second of the two world in the anterceiver of the mean subsection of the second is framework with represent to personnel on the Tablet States and the two instruments in the anterceiver of the two with the second in the second instruments in the anterceiver of the two with the second in the second instruments in the two world is an end of the second in the second instruments in the person of the second instruments of the second present the person of the two world is an end of the second present the person of the two second instruments are also been instrument. By which is an end the second response the second and the second present the person of the second response the second of the second present the person of the second response the second of the second present the second response they were an end of the second response to present response the second response to the second response the second of the second present the second response they were a two world the second response to present response to the second response the second response the second response to the second resecond response to the second response to the second response to

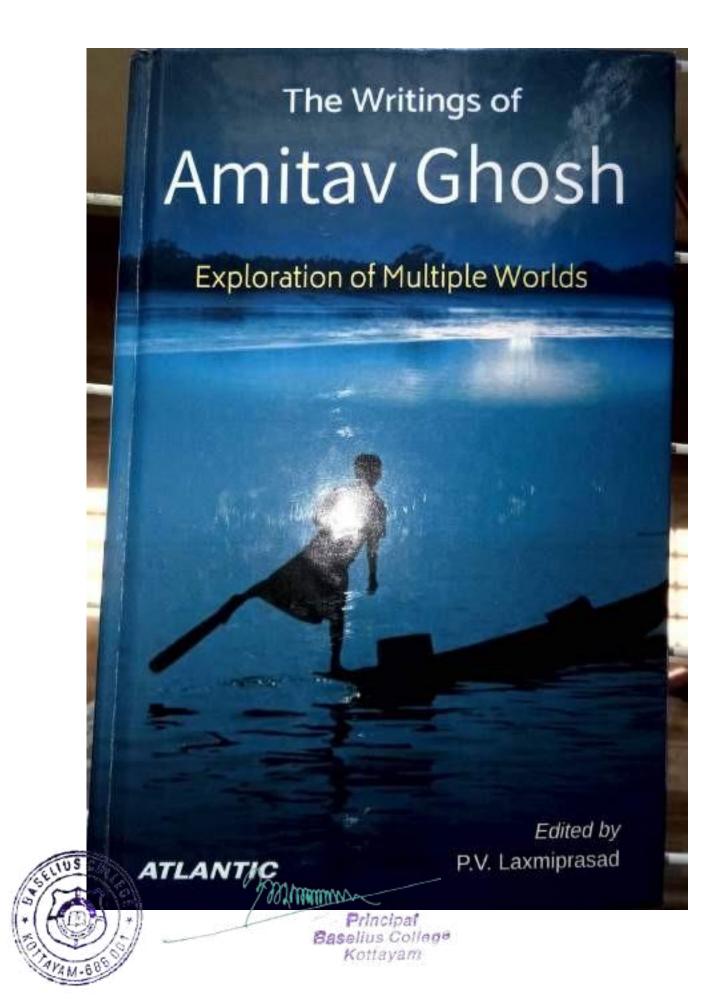
#### Literature Review

The following and the important minimum taken for the study.

E-Wei-Derparter & Assess Change (1918): second sections of the environment of the parameters of the second section and second the environment of the second for second second second second second second second second for second second second second second second second second for second second second second second second second second for second second second second second second second second for second second second second second second second second for second second second second second second second second for second second second second second second second second for second second second second second second second second second for second second second second second second second second for second second second second second second second for second second second second second second second for second second second second second second for second second second second second second for second second second second for second second second for second second second for second second second for second second for second second for second for second second for second



minin Principal Baselius College Kottayam





# The Writings of Amitav Ghosh

The Writings of Amitav Ghosh: Exploration of Multiple Worlds deals with the critical perspectives of Ghosh's oeuvre of fictional and nonfictional works. A meticulously researched volume, it focuses on the important dimensions of Ghosh's writing from Travel and Diaspora, History and Political Struggles, Identity Crisis and South East Asian Population, Autobiographical Elements, and finally Post-colonial and Post-modern Existence beyond the countries, continents and oceans. These are the themes on which the book moves around with firsthand research by eminent scholars and critics.

Dr. P.V. Laxmiprasad, M.A., Ph.D. (English) is an eminent academician, an erudite scholar, a literary critic, and a senior editor. A teacher with two decades of experience, he is working in the Department of English, Satavahana Dhiversity, Karimnagar, Telangana. With a scholarly output of the english Literature, he has served the cause of Indian and in English. His publications speak of his outstanding credentials and long-standing contribution to literature. All his publications have been internationally acclaimed by critics and authors. Overall, he has 300 publications to his credit.







# 20

# Shifting Contours/Marring Boundaries: A Cultural Reading of Amitav Ghosh's Sea of Poppies

Vidya Merlin Varghese

### Abstract

Edutal differences or cultural divides have augmented the istarity among mankind. Cultural diversity is the salient inture of the Indian subcontinent. Regions are divided or differentiated by the variant cultural patterns. Pre-independent Inda was known for its distinct cultural divide. Amitav Ghosh's Sat of Poppies narrates the historical events of the nineteenth entary Calcutta, in the form of an entertaining story mixed win ample ingredients of love, intrigue, colonialism, violence, nuder and adventure. The bulk of events occur upon the his that is en route to Mauritius. The novel is the first mongst the Ibis trilogy penned by the author. What makes the novel enthralling is that the writer has artfully charted ut the cultural divide and differences of the inmates aboard the ship. The Opium trade of the late nineteenth century also provides the backdrop of the tale. The paper "Shifting Contours/ Maring Boundaries: A Cultural Reading of Amitav Ghosh's Ma of Poppies" proposes to chalk out the cultural elements within the text. The cultural reading is an attempt to portray, " the light of Cultural Studies, how boundaries that lead to ultural distinction and distances on land tend to be marred at shifted while on sea.

Cultural differences or cultural divides have augmented the disparity among mankind. Cultural diversity is the salient for of the Indian subcontinent. Regions are divided or differentiated by uter variant cultural patterns. Pre-independent





Vol. I. Issue: 1

ISBN:978-93-5351-066-4

# ALBERTIAN JOURNAL OF MULTIDISCIPLINARY STUDIES

Proceedings of the Albertian Knowledge Summit: An International Conference on Multidisciplinary Research



St. Albert's College (Autonomous) Ernakulam





21mmmus Principal Baselius College Kottayam

### **Organizing** Committee

Rev. Fr. Antony Arackal (Chairman and Manager) Rev. Fr. Christy David Pathiala (Asst. Manager) Rev. Fr. Joseph Sherin Chemmayath (Asst. Manager) Prof. Dr. M. L. Joseph (Principal) Prof. Dr. V. S. Sadanandan (Vice Principal) Rev. Fr. John Christopher Vadasseril (Vice Principal) Prof. Dr. Krishnakumar K. S. (Dean of Research)

### ALBERTIAN JOURNAL OF MULTIDISCIPLINARY STUDIES:

(Proceedings of the Albertian Knowledge Summit: An International Condensate on Multidisciplinary Research 2019) (ISBN:978-93-5351-066-4)

1 edition	= June 2019
Editor	Bean of Research, St. Albert's College (Autonomous), Emakulam.
Publishet	Principal, St Alben's College (Autonomous), Ernakalam.
Cover & Layout	<ul> <li>žisjay Associates, Kottayari 686 001</li> </ul>
Printing	Espry Associates, Kothyatti 686 001.
Copy	1000
Price	B(±, 10000)

The ideal, views and optimens expressed by various researchers in their articles are essentially those of the respective nations and the Albertian Journal of Multializinghinity Studies due not hold incide exposition for it.



2000000 Principal

Kottayam

With Listen A.

## At the Limits of Ceitique: Reading Popular fiction by Reacquiring the Pleasures of Ceiticism

Kavitha Gopulakrishnan

Assi, Professor (on FDP), Baselins College, Kottayam Full-Time Research Scholar, St Thomas College, Pala.

### ABSTRACT

The paper shows how theory understands its strengths and pleasures by a sphering its limits. Exploring the limits of cutique encourages to think about new possibilities for surprising encounters with laterature.

### Key Words: Chetan Ultragat, Felsky, heterotopia-

It is a fact that unless we wear critical temestegularly, we may not be able to realize the play of power that we encounter on a daily basis. However, as Rits Felski argues in The Limits of Ceingue, suspicion has become so habitual in literacy interpretation that we have torgetters to search for allemative methods of rigonous thought Text is more often than not booked upon as an object to be semiinized and the entities excavate and discret it to one with Intent meanings. Dowever, at the fimits of critique one would find how theory itself has reified and that we are leal to a plane of ideological aurrender where such selididied theoretical concepts define our thoughts and evaluation. The use and overme of theory, its labels' and concepts lead to reductionand reification on account which literary theory began to be conceived us a "sausage machine, pouring texts in one end, producing 'new' readings at the other" (McQuillan et. al 4).

This is suggestive of its limit and its consequence. For Felski, the problem with critique is that it has become the "default option" inliterary studies (5), thus narrowing the "affective styles and modes of argument" withwhich one can engage (3) and turning reading into "single-minded digging for buriedtruths" (33). The only way to entangle oneself from the web of interpretation is to understand that a critical gaze needs to be directed against what seems national and therefore taken for granted Felski argues that 'opposing critique to common sense fails to acknowledge the commonsensical aspects of critique" ( ), Felski encourages others to resist the default option by printing out that the ubiquity of critique is not a reflection of its tigour or superiority; rather it is a manifestation of the wayscholars have been "schooled" to "approach texts" (18)

The paper shows how theory understands its strengths and plensures by exploring itslimits. Exploring the limits of critique encourages to think about new possibilities for surprising encounters with literature. The literary theory's claims of resolutionariness were on one literary theory's claims of resolutionariness were on one hand felt to be exaggerated and on the other the twolationary effects of theory were felt to be undervalued. A keen awareness of these issues in theory demanded a reflection and introspection of the Theory liter. The need of the hour was to rethink the epistemological purity of Theory in favour of epistemological plurality on as to justify its own selfperception as sufficient and holes away with the concretences that see into it. This forming toward through the expression descriptions of thought from without being y on be discussed its an essential part of post theoretical tendency in tendency. This proposts "the deconstruction of keysmony systemic and outlots a convergence of theories consisting from diverse fields and disciplines" (Geore 100, 109).

This has prompted me to select in my object of analysis a spectrum of "populat" before - Ortan Bhagat's bestaciller One Web/ with a Call Center has been chosen despine biselits lack of append in the academia. Clastan Bhagat is a writer who has seven novels which sere bestwillers to his credit but is constantly slighted by the academia and critics primarily became of a thicking contest in the dichotomy between elite forms of literature that is considered complex and not representational and tonas of popular literature which are considered to be mode. lineal and representational. The labels of "chie" and 'popular' are as concrete that by default 'popular' la tion is seen as insignificant, uninspired expressions par both in shuddy horgoage. My interest in popular fiction in general thas takes off from an initial refusal to dismiss it as 'ithrowaways' that doesn't seek to ask bigger question and to take on such supercilious convictions by taking an unprejudiced look

Post-theoretical critique endorces as instact to resist totalising testual interpretations and holds up other ways of encountering a test. Popular fiction is assumed in bea field intent on dispelling scereotypes field to a range ofsocial constructs. This paper offers a rethinking of this assumption, and shows how such popular term more senlatent structures and representations in societies in on entertaining manner. The study has been limited to the study of space.

Everyday activities of people make space into place that is socially constructed through our relation. While presenting these everyday lives in these popular factores the texts also make efforts to immavel the polities of space. In order to 'read' space, one has lock into the several dimensions of space – physical, syncholic, metaphorusentimental, professional fauthor reader text) and political – used in the portrayal of significant social corre-Such a reading would show how popular factors to seemingly effortly stranger uncovers the performance and cultural polities of space. The Evacuation corres of heterotopias would help to ethalorate on this argument. Taken from the Greek, factor means other or different and 'topia' means place. Thus, heterotopias hierally translate as 'places of difference'.

Functional transmitted described heterotopias as "something like counter sites, a kind of effectively enacted incipit, in which the real sites, all the other real sites that can be bound within the culture, are simultaneously



Albertian Journal of Multidisciplinary Studies 2019

Principal Baselius College Kottayam 337

# ALBERTIAN JOURNAL OF MULTIDISCIPLINARY RESEARCH

(ISBN:978-93-5351-066-4)

Proceedings of the Albertian Knowledge Summit 2019: An International Conference on Multidisciplinary Research



### St. Albert's College (Autonomous)

Ernakulam

2019



Principal Baselius College Kottayam

### **Organizing Committee**

Rev. Fr. Antony Arackal (Chairman and Manager) Rev. Fr. Christy David Pathiala (Asst. Manager) Rev. Fr. Joseph Sherin Chemmayath (Asst. Manager) Prof. Dr. M. L. Joseph (Principal) Prof. Dr. V. S. Sadanandan (Vice Principal) Rev. Fr. John Christopher Vadasseril (Vice Principal) Prof. Dr. Krishnakumar K. S. (Dean of Research)

### ALBERTIAN JOURNAL OF MULTIDISCIPLINARY RESEARCH:

(Proceedings of the Albertian Knowledge Summit: An International Conference on Multidisciplinary Research 2019) (ISBN:978-93-5351-066-4)

I edition	: June 2019
Editor	: Dean of Research, St. Albert's College (Autonomous), Ernakulam.
Publisher	: Principal, St. Albert's College (Autonomous), Ernakulam.
Cover & Layout	: Esjay Associates, Kottayam 686 001.
Printing	: Esjay Associates, Kottayam 686 001.
Сору	: 1000
Price	: Rs. 1000/-

The ideas, views and opinions expressed by various researchers in their articles are essentially those of the respective authors and the Albertian Journal of Multidisciplinary Research does not hold itself responsible for it.



Principal Baselius College Kottayam

### Church History and its Other Viju Kurian Assistant Professor in English Baselius College, Kottayam vijukurian@gmail.com Ph: 91-9496093829

#### ABSTRACT

The paper is a study of the various Church histories in Kerala.

Keywords: Church, history, research

Histories of Christianity in India are multitudinous and as there is as much variety in their treatment of the subject as in their numbers. There are three major categories. First, the histories of Christianity as general historians have written. They are larger in scope, written by historians with academic institutional affiliation and in this arena, westerners outnumber Indians. A second category is the mission histories, written by missionaries as histories or in the form of letters detailing the state of Christianity in India with an European audience in mind. The third category which is also the focus of this paper is that of institutional Church histories, which are written either by the priests or laymen of a particular denomination of church in order to establish their presence in the land of their existence.

Outside of institutional Church Histories, history of Christianity appears in mission histories of the eighteenth and nineteenth centuries which included letters written by missionaries on the state of Christianity in India as well as a few general history of Christianity written by Western authors who have attempted to understand Christianity in India apropos Western forms of Catholicism and Protestantism.

History of Christianity written by Western historians, "[...] were not history of the Indian Church but Western attempts to create one. Only in the struggles of Syrian Christians against the Portuguese hierarchy does one get a glimpse of an Indian Church." (Webster 31)

How is Church history different from general history of Christianity? When church histories are decidedly partial to the institutions to which they are affiliated to, what possible benefit can one derive from their study? Church Histories contains much that is the stuff of legends than of history and the history in their title is merely lip service, if so, then, how we can understand them as history at all?

Our knowledge is based mainly on binary relationships which we take to be the essence of nature, and our societal relationship evolves out of it. It is also the bane of our hierarchical society and any social progress seems to be a way of moving out of it. One way to understand church history, the so-called designation for one way in which churches establishes their existence and essence, is to know its other: secular history. But within religious studies, or even social sciences, secularism is not a neutral word. In fact it carries within itself an entire baggage of denotations and connotations which effectuate and polemicize its usage even in present-day public debates. The sociological notions, we must say, have percolated to the masses too. Hence the common usage of words like pseudo-secular or pseudo-secular liberal, words which seem to garner much attention in the media these days.

The benefit of studying church histories does not lie in the historicity of the subject that studies. The attempt in this paper is not to verify the claims made by different denominations, but rather, how their claims of truth on their version of Christianity contributes to the delimiting of their existence as Christians and as occupying a contingent position in the state of India. The contested position of Indian Christians is complicated further in the state of Kerala with the prominence of Syrian Christians and their position vis-à-vis other Christians.

K.M. George in his preface to Orthodox Christianity in India defines Church History as the "story of how the resurrected Christ leads the Church to the fullness of truth by the Holy Spirit in the holy presence of God the Father by dwelling in it." (xiii). The definition tries to unite the process of history writing to its divine purpose by bringing the trinity into picture ('Christ', 'Holy Spirit' and 'God the Father'). The purpose is to differentiate secular histories from church histories and to provide the divine muse as its inspiration. This serves two purposes: firstly, the philosophy of church histories are not governed by the quotidian rules of human life and logic, rather it is the spiritual determination that charts its course; secondly, the elements of divine intervention highlights the higher purpose of historiography to which alludes, namely, the influence of church in human history. A more workable definition would be church histories are those that containing the evolution of churches from apostolic times to its current situation, through important spiritual heads. In this manner, it more or less follows conventional historiography of linear time lines, omniscient viewpoint, key figures who shaped history through their personalities and sheer willpower and inevitability of fate and luck. Its counterpart 'secular histories' does not indicate the secular nature of such histories, but only it is a general history and in line with the historiographic methods of the modern discipline of history.

The importance of church histories and its appeal to truth can be explained by an example from a classic of western literary criticism, Eric Auerbach's Mimesis. In the first chapter of Mimesis, Auerbach attempts to compare and contrasts two epics of the western world, the Old Testament of the Bible and Homer's Odyssey. While Odyssey has a great importance as an epic, it is from an entirely different tradition to that of Old Testament. The



Albertian Journal of Multidisciplinary Research 2019



300

latter is considered as a holy book of all semitic religions. It also means that Bible is also claiming universal history as opposed to Odyssey. We have to concede the truth of Bible as exclusionary and universal, while Odyssey can only be local and particular. This is because Bible's depiction is of the birth of the universe and of the beginning of human civilization till the end of it. If we accept that as the truth, then any contesting claims of such dimensions becomes immediately null and void, be that may other religions or even scientific theories.

If we take this as a metaphor to understanding church histories, in the case of Syrian Christian histories, we see an interesting parallel. If one church history, claims itself to be true, as it will definitely do, then other contesting claims of the same time will have to be discredited. So, other church histories will be doing similar claims to truth and will appear contradictory to what we read in a third one. There is a further difficulty here. The events might even be similar in the case of these church histories. The difference is not even in the conclusion, but how the various events string together in a new plot that arrives at the truth in a different place. This is how each church history differs from the other. If one is accepted to be truth, the others will not be.

Syrian Church History has three key historical milestones in its understanding of church in India. They represent the three major splits in the Indian church which are spaced out in time that cuts across centuries. These are the arrival of St. Thomas in India in AD 52, the KoonanKurishu (Coonan Cross) Oath in 1653 and the 1912 establishment of the Catholicate in India. They also represent key factors in understanding the factions among Syrian Christians.

The myth/legend/history of St. Thomas is burdened by the multiple significations it has come to bear over the years. First, it establishes the apostolic origins of Syrian Christians, tracing it to the times of Jesus Christ. Second, it delinks Kerala Christianity from European Christianity thereby not being subservient to Catholic or Protestant Christianity (as some kind of Pentecostalism) or being a reductive or watered down version of popular and prominent Christian traditions in Europe. Third, most important, the first conversions being purportedly done on prominent high caste groups in Kerala, Brahmins and Jews, it seeks to establish that Syrian Christians of the present are direct descendants of these high caste groups and thus to be equated in social status to them.

When we imagine church histories we seem them as the complete opposite of so called secular histories. But just as church histories are as much part of the societies that creates it, secularism and its debates are also the resultant experience of contemporary politics. So, to answer the question at the beginning of this article, the other of church histories then is not secular history or general history, but anagrammatically, other church histories.

#### Works Cited

Auerbach, Erich, et al. Mimesis: the Representation of Reality in Western Literature. Princeton University Press, 2013.

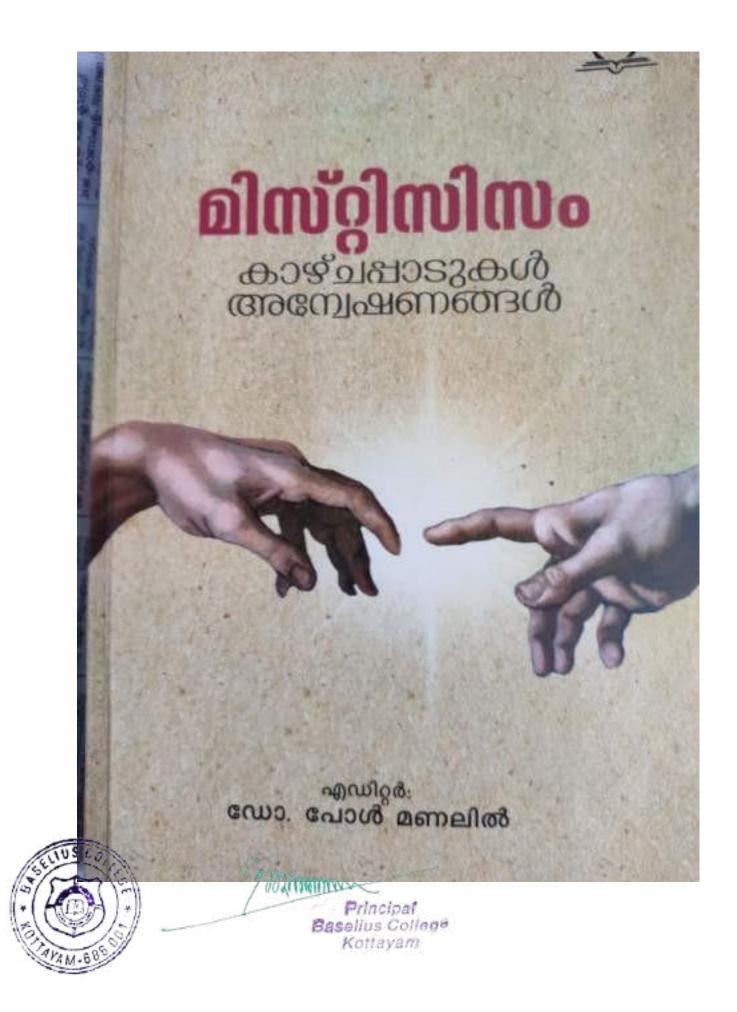
Brown, Leslie. The Indian Christians of St. Thomas. Chennai: St. Thomas Service and Community Centre.

Cheriyan, C.V. Orthodox Christianity in India: A History of the Malankara Orthodox Church AD 52-2002. Kottayam: Academic Publishers, 2003.

Joseph, T.K. Six St. Thomases of South India. Chengannur: The Bharatha Deepam Electric Press, 1955.



Principal Baselius College Kottavam



### ഉള്ളടക്കാ

ആമുഖാ നവ ഡോ: മാത്യൂ ഡാനിയൽ – (

- മിസ്റ്റിസിസത്തിന് ഒരു മുഖന ഡോ. യാരക്കാണ് മാർ ഐ
- ആരാണ് മിസ്റ്റിക് ഡോ. സുകുമാർ അഴീക്കോ
- ആത്തീയതയും പ്രാപങ്ങിക ആത്മീയതയുടെ അവതാര ഡോ. വത്സൻ തന്ധു - 25
- അധീശത്വവും യോഗാത്തക ഡോ. പൗരലാസ് മാർ ഗ്രീം ട. ജിസ്റ്റിസിസം - ഒരു വിമർഗ്ര
- പി. ഗോവിന്ദപ്പിള്ള 56
- െ സാഹിത്യവും യോഗാനുഭൂ ഡോ. കെ. എാ. തരകൻ –
- മിസ്റ്റിസിസത്തിലെ ഭാഷാവ ഡോ. കെ. എസ്. രാധാക്യ
- മിസ്റ്റിസിസം മതങ്ങളുടെ ഡോ. സെൽവി സേവ്യർ -
- മേണമഹർഷിയുടെയും ഗ്ര സ്ഥാമി സിദ്ധിനാഥാനന്ദ –
- മിസ്റ്റിസിസാം- പ്ലൈകസ്തന ഡോ. സിറിയക് കണിച്ചാര ല. ക്രിസ്തീയ രഹസ്യവാദം
- ഡോ. കെ. എം. കുരുറക്ഷേ 12. ദൈവമെന്ന ഫോസ്യം
- വേലാ. കെ. എം. തരകൻ -
- B. Zanojamunomo antheau

31623

(Matayalam) MYSTICISM: KAZHCHAPPADUKAL ANWESHANANGAL

2 Milts J.

Editor: Dr. Paul Manaill © Reserved First Impression: October 2018

Cover: Global, Thiruvalla Page Layout: Perfect Computer Graphics, Thiruvalla Printed at Anaswara Offset Press, Ernakulam Published by CHRISTAVA SAHITYA SAMITHY, THIRUVALLA Distributed by C.S.S. 800KSHOP, KURISUKAVALA, THIRUVALLA - 1 Tel.0459-2530389, 2634936 email: csstnuvalla@gmail.com Price Rs.400/-

> M 52 FP 16 R 2018 -CN 75218 ISBN 978-81-7821-810-6



SANITHE OR KER

Withings. Sameres

(D. ~ Mill)

1000100 aprahest.

TTANIN .....

an area

di mun 1000

and the second diversity of

un-this 100,000

mailer:

(infinite)

OUTINE D (Constant)

all the

port. the second

const

Laine Rino

Chibda

12.46 **D**(NORS

CPO In Rep.os

mile

point;

C.a. **B**ICE

JER

000.

100 pro

1010

and

a0)

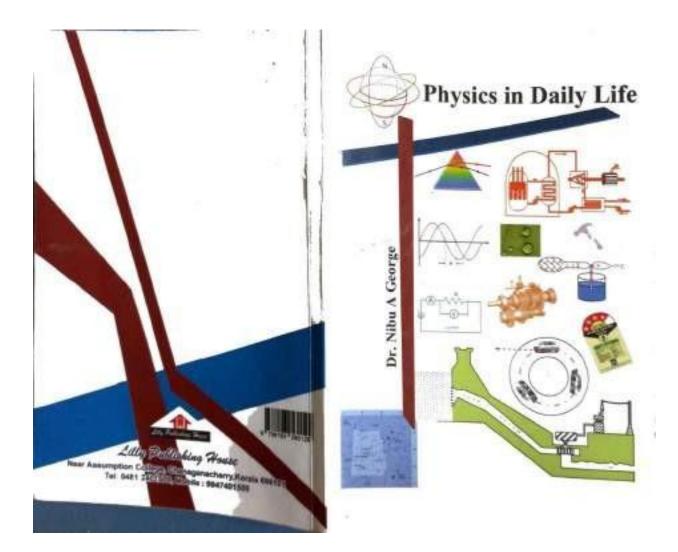
HUY.

# ano, amabañ eman/A

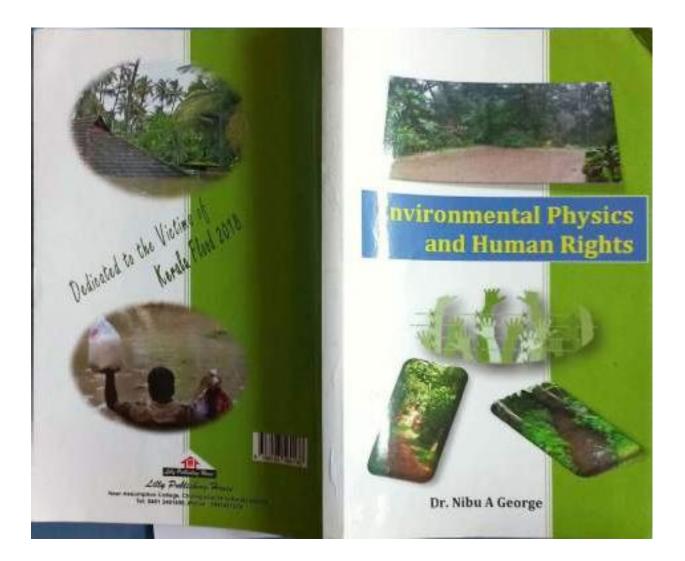
താവര്ദ്നാഹിന്ന്യം പ്രത്തിന് പുതിയത് എന്നാണ് അത്തറാ Testes crostembro processes and concernences പ്പെടും അർണ്ണില്ലെ ഗവ്യത്തിലുള്ള പോഗംഗാലും പ്രാംബുള്ള നോഗംഗ് ഗവ്യത്തിലുള്ള പോഗംഗാലും പ്രാംബുള്ള നോഗംഗ് പ്രവാനംഗ്രാലും വരെയുള്ളം പുടുത്തും പ്രത്യാനം ന്റെപ്പോകരെ പ്രത്യാനം പ്രത്യാനം പ്രത്യാനം ന്റെപ്പോകരാം പ്രത്യാനം പ്രത്യാനം പ്രത്യാനം ന്റെപ്പോകരാം പട്ടുണ്ട്. പോഷത്തിലെ പ്രവാനത്തിന്റെ പോഷത്ത്ത് പോഷത്ത്ത് പോഷത്ത്ത് പോഷത്ത്ത് പോഷത്ത്ത്ത് പോണത്തിന്റെ പോണത്തിന്റെ പ്പോകത്തിലെ മഹത്താനം നോവലുംഗമം ത്രാപത്തിലെ മഹത്താനം നോവലുംഗമംക നെടുത്തിലെ മഹത്താനം നേട്ടവലുംഗമംക് Turker 1954) and all to two or the Novel and the Edition 1954) എം.പി.പോഗർ നോവലിന് നൽകുന്ന പ്പെടുന്ന് എന്ന ഒരു സമിവ് നമ്പാര വികാരങ്ങളെ പ്രകാ അദ്ദ്യവും ആന്മ ഒരു ഇതിവൃത്തത്തെ ആഖ്യാനം പ്പെട്ടും നല്ലാക്കുന്നു നോവൽ." ആഴ ചും എഷ്യങ്കിവിതം ചിത്രീകരിക്കുന്നതാവണം നോവൽ. പാനങ്ങൾ മലയാളത്തിൽ ഉണ്ടായിട്ടു ം സ്കാപി പോളിന്റെ 'നോവൽ സാഹിത്യം' ആണ്. പത്രമുന്നിച്ച് ലഭിച്ചിട്ടുള്ള പ്രതവഗ്രന്ഥങ്ങൾ പി. കെ. ബാല താണ് സിദ്ധിയും സാധനയും', കെ. സുരേന്ദ്രന്റെ പ്രാണ്ഡ് നോവത്സതുപാ', എം.ടിയുടെ 'കാഥികന്റെ ം ചിയായാകുന്നു. തുടർന്നിരങ്ങാട്ടുള്ള കാലത്ത് ധാരാളം പ്പെട്ടം കുഞ്ഞുവരുകയും നോവൽ പഠന രംഗത്തെ പരിപോ ഞ്ഞു 'കൈരളിയുടെ കഥ'യിൽ എൻ. കൃഷ്ണപിള്ള ം ചിയായി നിർവ്വചിക്കുന്നുണ്ട്. അന്യോന്യം കെട്ടപ്പെട്ടു ംക്കാമാഞ്ചിതമാന മനുഷ്യജീവിതങ്ങളുടെ ഘാതപ്ര ്ളൂപ്പാഹങ്ങളെ കൂട്ടിയിണക്കി ആവുന്നത്ര പരപ്പിലും ചന്തിലും, അതിനു പര്യാപ്തമായ പാത്രേതിവൃത്തങ്ങളും പ്രം സമൂദ്ഭാവനം ചെയ്ത് വിശ്വാസ്യവും യുക്തിസഹ ് ബന്നിപ്പിട്ടപ്പിച്ചു പ്രദർശിപ്പിക്കുക എന്നിവയാണ് നോവ Action

<sup>പ്പണ സംബന്ധി</sup>ച്ച് ഇംഗ്ലീഷിലുണ്ടായിരുന്ന പ്രാമാണിക and a Introduction to the study of









MAMMMM Principal Baselius College Kottayam AVAM-B

# PEROVSKITE PHOTOVOLTAICS Basic to Advanced Concepts and Implementation

Edited by

Sabu Thomas Aparna Thankappan



# PEROVSKITE PHOTOVOLTAICS

Basic to Advanced Concepts and Implementation

Edited by

### SABU THOMAS

International and Interuniversity Centre for Nanoscience and Nanotechnology, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala, India

### APARNA THANKAPPAN

International and Interuniversity Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala, India Baselius College, Kottayam, Kerala, India





Im	
7 002	AMREM DODA
	Principal Baselius College
	Kottayam

Academic Press is an imprint of Elsevier 125 London Wall, London EC2Y 5AS, United Kingdom 525 B Street, Suite 1650, San Diego, CA 92101, United States 50 Hampshire Street, 5th Floor, Cambridge, MA 02139, United States The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, United Kingdom

Copyright 1 2018 Elsevier Inc. All rights reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without permission in writing from the publisher. Details on how to seek permission, further information about the Publisher's permissions policies and our arrangements with organizations such as the Copyright Clearance Center and the Copyright Licensing Agency, can be found at our website: www.elsevier.com/permissions

This book and the individual contributions contained in it are protected under copyright by the Publisher (other than as may be noted herein).

### Notices

Knowledge and best practice in this field are constantly changing. As new research and experience broaden our understanding, changes in research methods, professional practices, or medical treatment may become necessary.

Practitioners and researchers must always rely on their own experience and knowledge in evaluating and using any information, methods, compounds, or experiments described herein. In using such information or methods they should be mindful of their own safety and the safety of others, including parties for whom they have a professional responsibility.

To the fullest extent of the law, neither the Publisher nor the authors, contributors, or editors, assume any liability for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions, or ideas contained in the material herein.

## British Library Cataloguing-in-Publication Data

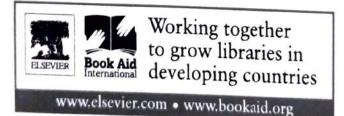
A catalogue record for this book is available from the British Library

### Library of Congress Cataloging-in-Publication Data

A catalog record for this book is available from the Library of Congress

ISBN: 978-0-12-812915-9

For Information on all Academic Press publications visit our website at https://www.elsevier.com/books-and-journals





Publisher: Joe Hayton	
Acquisition Editor: Lisa Reading	
Editorial Project Manager: Katie C	han
Production Project Manager: Kame	sh Bamaozi
Civer Designer: Miles Africhen	in rearrajogi
Typeset by MPS Limited, 700	MANTENS
	Principal
	Baselius College
	Kottayam

# PEROVSKITE PHOTOVOLTAICS Basic to Advanced Concepts and Implementation

Perovskite Photovoltaics: Basic to Advanced Concepts and Implementation examines the emergence of perovskite photovoltaics, the associated challenges and opportunities, and how to achieve broader development in this cornerstone technology. Consolidating developments in perovskite photovoltaics, including recent progress solar cells, the book goes beyond basics to advances and subsequently the research necessary for sustaining energy.

The book addresses different photovoltaic fields with tailored content for what makes perovskite solar cells suitable; provides commercialization examples of large-scale perovskite solar technology; analyzes in detail on the implementation and economic viability of perovskite solar cells; and highlights what photovoltaic devices need to be generated by using low cost, nontoxic, earth abundant materials using environmentally scalable processes. This book is a valuable resource for engineers, scientists and researchers, and all those who wish to broaden their knowledge in flexible perovskite solar cells.

### **KEY FEATURES**

- Includes contributions by leading solar cell academics, industrialists, researchers, and institutions across the globe
- Addresses different photovoltaic fields for what makes perovskite solar cells different; whereas
  engineers and researchers can leverage specialized chapters on device working mechanisms.
- Provides commercialization examples of large-scale perovskite solar technology, giving users detailed analyses on the implementation, technical challenges, and economic viability of perovskite solar cells.

### ABOUT THE EDITORS

**Prof. Sabu Thomas** is currently the Pro-Vice Chancellor of Mahatma Gandhi University and the Founder Director and Professor of the International and Interuniversity Centre for Nanoscience and Nanotechnology. He is a prolific researcher; has published over 800 peer-reviewed research papers, reviews and book chapters as well as coedited 80 books; and holds of 6 invention patents. As an outstanding leader with sustained international acclaims for his work, he has received a number of national and international awards which include Dr. APJ Abdul Kalam Award for Scientific Excellence in 2016, the Mahatma Gandhi University Award for Outstanding Contribution in 2016, and the Lifetime Achievement Award of the Malaysian Polymer Group, Indian Nano Biologists award.

Dr. Aparna Thankappan is currently an Assistant Professor at Baselius college, Kottayam, Kerala; and was a postdoctoral fellow from the International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, India. She received her PhD in photonics from Cochin University of Science and Technology, Kerala, India, and holds an MTech in optoelectronics and laser technology from Cochin University of Science and Technology and MSc in physics from St. Paul's College Kalamassery, Kerala, India. She has published over a dozen articles in professional journals, presented at several major conferences, Principa and has coauthored several book chapters. Her research interests include nonlinear optics, Baselius Corphotonics, synthesis of nanomaterials, solar cell, and metal organic frameworks.





# ACADEMIC PRESS

An imprint of Elsevier elsevier.com/books-and-journals





Kottavam

# Polymeric and Nanostructured Materials

Synthesis, Properties, and Advanced Applications



Aparna Thankappan | Nandakumar Kalarikkal
 Sabu Thomas | Aneesa Padinjakkara

rincipal

Kottayam

CRC Press



# POLYMERIC AND NANOSTRUCTURED MATERIALS

Synthesis, Properties, and Advanced Applications

Edited by

Aparna Thankappan, PhD Nandakumar Kalarikkal, PhD Sabu Thomas, PhD Aneesa Padinjakkara





Apply Academic Press Inc. \$333 Alestrolli Crescent Outville, ON LoL 0A7 Canada.

Apple Academic Press Inc. 4 Septemakter Woov Warehown, NJ 08798 ATTER.

in 3018 he Apple Academic Press, Inc.

For his we work don to other characters by C.W. Press, a surraitor of Taylor & Frances Comp. No closes to original U.S. Generation works

International Neuralized Book, Number-13, 978-1-77188-664-4 (Hardcover) International Standard Rock Samber 13: 978-1-315 (4719-9 (eRock)

All suggest superved, his part of this work may be reprinted or reproduced or utilized in any form or by any destrue, mechanical or other means, now known or hereafter invested, including photocopying and tocordma, or in any information durage or particular system, without permission in writing from the publisher or ma compliance, encept in the case of brief excerpts or quotations for use in reviews or cruces articles.

This book common information obtained them authentic and highly regarded sources. Reprinted material in quested with permeasion and sources are indicated. Copyright for individual articles remains with the authors m ashound. A wide variety of releases are listed. Renumble efforts have been made to publish reliable data and automotics, but the authors, edgers, and the publisher cannot assume responsibility for the validity of all manufals on the consequences of their use. The authors, edutors, and the publisher have attempted to mace the copyright holders of all material reproduced in this publication and apologize to copyright holders. of permanents to publish in this form has not been obtained. If any copyright material has not been acknowly estated, please write and let us know as we may techtly in any future reprint.

Trademark Notice: Registered trademark of products or corporate names are used only for explanation and electrification without intent to infringe.

#### Library and Archives Canada Cataloguing in Publication

Polymeric and numerituring anticensts, synthesis, properties, and advanced applications (edited by America Thank account, PhD, Natulakumar Kalarikkal, PhD, Sabu Thomas, PhD, Anorsa Padouakkara,

insingles hiddingenphical references and rades. lammed in print and electronic forman.

(NON #78-1-77188-648-4 (handcovar) -(SEIN 978-1-315-14249-9 (PDF)

nes (Materialis) 2 Polymers, 3 Electrochemistry 1 Theritappan, Aperia, editor

II Ka	ramikal, i	Nandokumar,	editor III	Thomas, Sol	bis, editor	V, Padmja	kkam, Assena,	oditor
200	A STATE	distant a fait	1240 124		COLUM.	measo a	1	CALL POLL COM

2018-904419-1

### Library of Congress Cataloging-in-Publication Data

Narran Thankappan, Aparua, editor | Kalarikind, Naudakumar, editor, | Thomas, Sabu, 20104 | Padminkkurn, Anorna, editor,

The Pulymente and manustructured materials, synthesis, properties, and advanced applications / Editors, Aparna Thunkappan, Nandakumar Kalarikkul, Sahi Thomas, Azeesa Pathusikkara

Description: Onicythe, ON ; Warmown, NJ : Appla Academic Pinn, 2019 1

Includes Indiangraphical references and index.

Identifiers | LCCN 2010035500 (print) | LCCN 2010036483 (ebook) | ISBN 9781315147499 cebook) | HIRW UTSTITUBIII (hanfcover : alk paper)

Subjects (MESEE Nanocomposites | Polymens | Electrochemutry

Cleverfunction LCC QPB01 B69 (abook) LCC QP801 B69 (print) NLM QT 36.5 (DBC 572:33-3c23

LC record available at https://form.log.pow/2018035500

Apple Academic Press also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic format. For information about Apple Academic Press products, visit our website at www.applearademicpress.com and the CRC Press website at www.erepress.com



monda Baselius College Kottavam

# Polymeric and Nanostructured Materials

Synthesis, Properties, and Advanced Applications

This volume provides in depth knowledge and recent research on polymers and nanostructured materials from synthesis to advanced applications. Leading researchers from industry, academia, government, and private research institutions across the globe have contributed to this volume, covering new research on nanocomposites, polymer technology, and electrochemistry.

### **ABOUT THE EDITORS**

Aparna Thankappan, PhO, is a Postdoctoral Research Fellow at the International and Inter University Center for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, India. She has published over a dozen articles in professional journals and has presented at several conferences as well. She has co-authored several book chapters. She received her PhD in photonics from Cochin University of Science and Technology, India. Her research interests include nonlinear optics, photonics, synthesis of nanomaterials, solar cells, and metal organic frameworks.

Nandakumar Kalarikkal, PhD, is an Adjunct Faculty of the International and Inter University Centre for Nanoscience and Nanotechnology as well as Associate Professor in the School of Pure and Applied Physics at Mahatma Gandhi University, Kerala, India. His current research interests include synthesis, characterization, and applications of various nanostructured materials, laser plasma, and phase transitions. He has published more than 135 research articles in peer-reviewed journals and has co-edited nine books.

Sabu Thomas, PhD, is the Pro-Vice Chancellor of Mahatma Gandhi University and Founding Director of the International and Inter University Center for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, Kerala, India. He is also a Professor of polymer science and engineering at the School of Chemical Sciences of the same university. Professor Thomas's research group has extensive exchange programs with different industries and research and academic institutions all over the world and is performing world-class collaborative research in various fields. The author or co-author of over 750 peer-reviewed research papers, reviews, and book chapters, Dr. Thomas's work has been cited over 30,000 times. Recently he received an Honoris Causa (DSc) from the University of South Brittany, France, and University of Lorraine, Nancy, France.

Ancesa Padinjakkara is a Junior Research Fellow at the International and Inter University Centre for Nanoscience and Nanotechnology at Mahatma Gandhi University, Kerala, India. She is currently working on a project involving "Engineering of Nanostructured High Performance Epoxy/Liquid Rubber Blends with Controlled Nanoparticle Localization," under the supervision of Dr. Sabu Thomas.

Prince

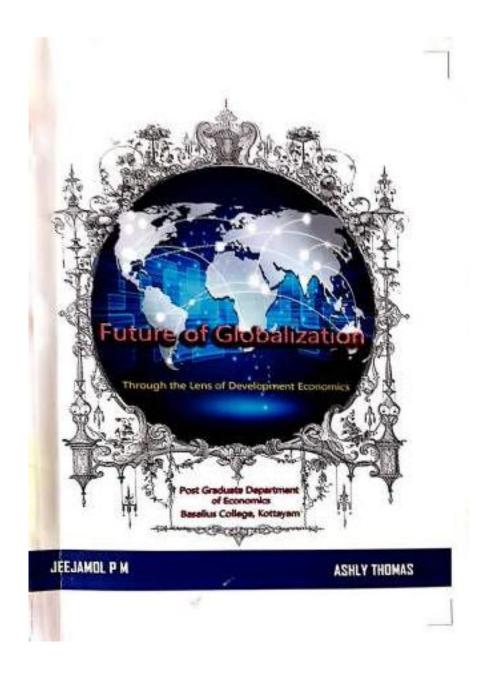
Kotta

Baselius

w.appleacademicpress.com

ISBN: 978-1-77188-644-4

90000

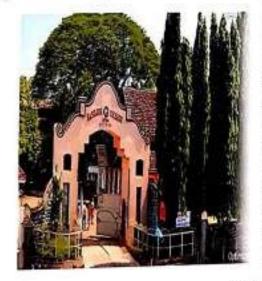




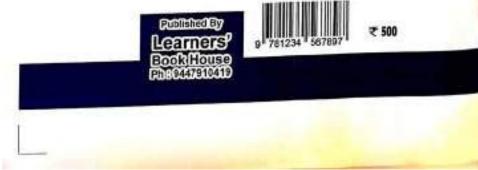


through the Lens of Development Economics Published on Behalf of, Post Graduate Department of Economics Baselius College, Kottayam

About the Department



Ever size the inception of Department of Economics in 1967, it has been one of the best departments of Baselian College, Kottayam, The department, over the years, has produced a number of outstanding students who later necupied enviable positions in society. The department gives greater importance to academic its well as cecurricular and extracurricular activities. To equip the students to meet the chollenges posed by Globalization, to ensure a high quality and standard and to achieve the comprehensive development of the students, the department has been organising various programmen, including National and International Seminars, workshops etc. The students of the department have secured many prizes and awards for excellence or availance and extracarricular activities. The department has produced a few maks in the part both at the graduate and PG levels. The department strives to achieve greater heights in the country BERES.





nomenes Principal Baselius College Kottayam

# FUTURE OF GLOBALISATION THROUGH THE LENS OF DEVELOPMENT ECONOMICS

Editors

Jeejamol P.M. & Ashly Thomas

March 2019 Edition All rights reserved by the Author

Printed at Learners' Digital Press & Publishers CMS College Road, Kottayam

Price Rs. 500/-

Get Your Copies from :

Learner's Book House & Ink Pot Designs CMS College Road Kottayam - 686 001 Ph : 9447910419, 9447794669 email : ashlymalayil@gmail.com

jeejamolpm@gmail.com



MARINE

Principal Baselius Colland Kottayuni

### CONTENTS

9	I. INNOVATION IN THE LIFE INSURANCE PRODUCT AND	Page Ne
8	DISTRIBUTION CHANNELS IN THE CONTEXT OF LIBERA ZATION OF THE LIFE INSURANCE SECTOR IN INDIA DR. SHAJU M J.	и 1
2	. GLOBALISATION AND ITS IMPACT ON INDIAN AGRICULTU PREETHI. K.N	RE II
3	GLOBALIZATION AS ITS KEY DRIVE FOR INDIA'S ECONOM	ac
	PERFORMANCE DR. REJIMON P.M	18
4	GROWTH OF TOURISM IN KERALA: RECENT TRENDS JEEJAMOL P M	29
5.	GLOBALISATION AND 2 <sup>ND</sup> IT REVOLUTION SMITHA EAPEN	41
6.	GLOBALIZATION IN TEACHING AND LEARNING REMYA STANLEY	4
7.	TRADE LIBERALISATION AND INSTABILITY IN THE EXPOR OF BLACK PEPPER IN INDIA RINUJOSE	T 48
8.	PROBLEMS AND PROSPECTS OF COMMERCIAL GLOBALISATION IN INDIA LISSY GEORGE	ы
9.	IMPACT OF GLOBALISATION ON INDIA'S SOCIAL SECTOR SHALINI THOMAS	59
10.	TRENDS IN MARKET STRATEGIES AND YOUTH CONSUMER BEHAVIOUR - SURYA CHANDRA MOHAN & DR. THARAMMA GEORGE.T	65
11.	KEY CHALLENGES OF FUTURE PATH OF GLOBALISATION IN GLOBAL ECONOMY VIJEESH VIJAYAN	70



mannes Principal Baselius College Kottayam

12. THE IMPACT OF FDI IN RETAIL SECTION ON SME WITH SPECIAL REFERENCE TO MALAPPURAM DISTRICT- ASLAM MUHAMMED, YASMIN CK	77
13. CO, EMISSIONS IN INDIA: A TREND ANALYSIS GINCY LUKOSE, V	86
14. GLOBALISATION AND STRUCTURAL CHANGES OF THE INDIAN ECONOMY BEJOY. D. ABRAHAM	91
15. ECONOMICS FOR THE ENVIRONMENT: THE GLOBAL NEED 9 SOJIA JOHN	15
16. GLOBALISATION AND ITS IMPACT ON RURAL ECONOMY WITH SPECIAL REFERENCE TO RURAL INFRASTRUCTURE IN INDIA ASHLY THOMAS	100
17. TRENDS IN GLOBAL E-COMMERCE MARKETS SURYA CHANDRA MOHAN & DR. THARAMMA GEORGE .T	108
18. GLOBALIZATION AND ECOTOURISM - AN APPRAISAL SAJANL S	111
19. GLOBALIZATION AND THE INDIAN CAPITAL MARKET -	120
20. GLOBALIZATION AND THE CHANGING CONSUMPTION PATTERN OF KERALITES : A STUDY WITH REFERENCE TO KOTTAYAM DISTRICT GITHU K. GUI	124
21. IMPACT OF GLOBALISATION ON EDUCATION DR. BLIO JOSEPH & MS. METTILDA GEORGE	133
22. PRESENT SCENARIO OF AGRICULTURE IN KERALA THARA THOMAS	141



192/mmmus Principal Baselius College Kottayam

### INNOVATION IN THE LIFE INSURANCE PRODUCT AND DISTRIBUTION CHANNELS IN THE CONTEXT OF LIBERALIZATION OF THE LIFE INSURANCE SECTOR IN INDIA

### Abstract

Liberalisation of the life insurance sector in india led to rapid growth the industry. The number of life insurance firms increased to twenty four including the Life Insurance Corporation of India the state owned life insurer. Twenty three of them have collaboration leading foreign life insurance companies. The performance of the industry in terms of life insurance penetration and life insurance density was remarkable. The rate of growth of the industry was influenced by the innovation in product and the marketing.

Key words: Life insurance Penetration, Life insurance density, Corporate agents, Unit Linked Policies, Corporate Agents.

### Background of the Study

The life insurance sector in India went through a full circle of phases from being unregulated to completely regulated and then currently being partly deregulated. The Insurance Act of 1938 was the first legislation governing all forms of insurance to provide strict state control over insurance business. Life insurance in India was completely nationalized on 19 January 1956, through the Life Insurance Corporation Act. All 245 life insurance companies operating then in the country were merged into one entity, the Life Insurance Corporation of India. The life insurance Corporation of India remained the state monopoly for life insurance since 1956. There was very high pre-emption of insurance industry's funds through government – mandated investments. This affected the financial results of insurance companies and had implications for rates of insurance premium and returns on savings invested in life insurance. The question then arose was why the consumers of insurance services should not be provided a wider choice so that they can get the benefits of competition in terms of range of insurance products, lower price of insurance covers, and better customer service?



### GROWTH OF TOURISM IN KERALA: RECENT TRENDS

### Growth of tourism in kerala: Recent trends

Tourism is a social, cultural and economic phenomenon related to the movement of people to places outside their usual place of residence, pleasure being the usual motivation. With increasing globalization and disposable income, tourism has over the last few decades become one of the largest and fastest growing industries. International and regional tourism contributes to economic growth, job creation and development in nations all around the world. Tourism is a potent engine for economic growth due to its forward and backward linkages in the economy strong linkages create a multiplier effect that generates broad based economic benefits including generation of employment and poverty reduction.

This paper is an attempt to analyze the growth of tourism sector in Kerala for the last 10 years and to understand the economic impact of the growth of tourism on the domestic economy.

### **Tourism and Kerala Economy**

Tourism is the ball mark of Kerala's economic development and a principal contributor to the State's economy. The sectors plays a pivotal role in economic growth of the state and contributed to the generation of large scale employment. The sector earns foreign exchange to the State and promotes traditional industries. A blend of experiences of various tourism products in the State has made the State one of the most acclaimed destinations in the world.

### **Growth of Tourism**

The growth of tourism is generally assessed using trends in tourist arrivals and foreign exchange carnings.

### Concepts

### **Foreign Tourist**

A foreign tourist is a person visiting India on a foreign passport staying at least 24 hrs in the Country and the purpose of whose visit can be classified as:



Principal Baselius College Kottayam

# KEY CHALLENGES OF FUTURE PATH OF GLOBALISATION IN GLOBAL ECONOMY

### Indrouction

With regard to globalisation, we can simply say that today globalisation is everything, and everything is globalisation. The current issue of our times is so controversial, and everything about it becomes a subject of great polarisation and conflict of rival views. However, most authors agree that globalisation is nothing new, that it refers to an old process that began more than 100 years ago (Hirst and Thompson, 1999). The beginning of these processes can be related to the second half of the nineteenth century, when thanks to technical and technological innovation, industrial revolution, the importance of transportation, costs were drastically reduced and when it came to the first major trade liberalisation. If we compare this period to the present day, we can find much similarity. In the period from 1800 to 1913 international trade doubled and rose from 3% to 33%. And characteristic for this period of globalisation was the reduction of barriers in trade relations and sharp decline in transportation costs (due to the development of railways and steamships). The first phase of globalisation continued until the beginning of World War II. Between the two world wars, which marked a major economic crisis, the globalisation process was terminated; international flow of goods and capital were reduced due to the strengthening of protectionism.

The economic reforms taken place during 1980 and 90's have to considered to be second phase of globalization, initiated with the trade liberalization measures of WTO and structural adjustment programme of IMF and world Bank. The new globalization measures allowed the free flow of labour, goods and services, technology and also finance capital among nations. This will led to the emergence of so-called weightless economy, or "economy of knowledge" dominates (Giddens, Haton, 2003), in which information and knowledge have become the main production resources. Whenever we interpret globalisation, even following the attitude of its supporters claiming that it is a process that helps to reduce poverty, increase living standards, or its inclined opponents claiming that globalisation reduces the number of jobs, contributes to the widening gap between rich and poor and the 'Development gaps' among nations.



Principal Baselius College

Kottavam

### GLOBALISATION AND ITS IMPACT ON THE RURAL ECONOMY WITH SPECIAL REFERENCE TO RURAL INFRASTRUCTURE IN INDIA

### Abstract

Globalisation has been brought about a sea change in the rural economy of India. Faster connectivity and technological spreading upgraded the rural society, Globalisation process involves both benefits and risks. Development of an economy is closely linked with infrastructural development .Infrastructural facilities requires for economic development and economic development in turn quickens the pace of infrastructural development. This paper examines the impact of globalisation on the rural economy with special reference to rural infrastructural development in India.

Key words: Globalisation, infrastructural development, digital India, rural-urban disparity, social health insurance

### Introduction

Globalisation is a process through which the free flow of ideas, people, goods and services and capital would lead to the integration of economies and societies. Globalization has both positive and negative consequences and implications to all nations. As a result of globalisation the culture of universalisation is rapidly spreading all around us. Through globalisation, the importance of national borders is replaced and accelerated the mobility of labour, capital and information across borders. World Bank Report (2010) on world development indicators from 1960 to date summarizes that technological advances have led a cumulative causation in the global economy linked to economic growth, improved standards of living and poverty reduction in developing countries. The aggressive advancement of globalization coupled with market economy has been persistently changing the old concepts, practices and systems of rural development, especially in the developing countries.

Globalisation is seen as offering both opportunities and threats to developing countries. On the one hand, it has enabled rapid economic growth in some regions, such as East Asia,



Principal Baselius College Kottayam

### GLOBALIZATION AND THE CHANGING CONSUMPTION PATTERN OF KERALITES : A STUDY WITH REFERENCE TO KOTTAYAM DISTRICT

### Abstract

Globalization refers to the integration of markets in the global economy, leading to the increased interconnectedness of national economies. With increased global interactions comes the growth of international trade, ideas, and culture. Globalization makes consumption patterns similar across countries by homogenizing markets. In India, the change in consumption patterns is mainly evident in food, mobiles, dressing style and education. The study is based on both primary and secondary data. The household of Kottayam Districts forms the population of the study. And analyse the new trends in consumption in kerala and the import of globalisation on the consumption pattern of Kerala.

Key words : consumption, dressing style, education, food, globalization, mobiles etc.

### 1. Introduction

World Economy has witnessed phenomenal changes with the introduction of foreign goods and services affecting various spheres of lives including food habits, dressing style, education and health sector. Traditional practices and common ways of life are replaced by higher standard of living. International products flooded the market altering the consumption pattern of common man. India welcomed this new wave of revolution with slight hesitation since the memories of foreign trade in the past had led to the one ninety years of colonization. It was a dauntless move from the part of then Finance minister, Dr. Manmohan Singh. The impact of the gained momentum in the coming years has integrated people across the globe with the free movement of goods and services promoting advancement in transportation, telecommunication, infrastructure etc. Moreover it transformed the pattern of consumption across our country. The changes in the pattern are evident in Kerala since they seem to be spending a lot of money on consumer durables and huxuries. It has changed the food culture by encouraging preferences for junk food as well as the decorative ambience with the introduction of many



# PRESENT SCENARIO OF AGRICULTURE IN KERALA

### Abstract

Agriculture sector contributes 15.8%. in total GDP of India Agriculture sector shows a growth rate of 16.67% in 2013-14 over the previous year. Thus this sector plays an important role in Indian economy. The agriculture scenario of Kerala indicates a heavy concentration of non-food crops.

Key Words:- Food Grains, Non- food Grains, Agricultural Economy, Cash crops

### Introduction

The agriculture scenario of Kerala indicates a heavy concentration of non-food crops. Against the national average of over three-quarters of land under food grains, in Kerala only about one- fifth of the land is under food grains. The two main characteristics of the cropping pattern of agriculture in Kerala are the predominance of crops, which are dependent on world market conditions, and the dominance of perennial crops as against seasonal or annual crops. The most notable feature of Kerala's agricultural development is the emergence of cash crops as a dominant sector over the last four decades. The change in cropping pattern is noted, which reflects decline in area under traditional crops and commercial presence of new cash crops. Since spices, plantation crops and coconut together account for three-fifth of the cropped area and approximately four-fifth of the agricultural output in the State, the vagaries in international market conditions affect the prospects of Kerala farmers.

The ever-widening supply gap in food grains has grown to alarming proportion of 90 per cent. This not only created irreversible threat on Kerala's food security, but also aggravated the adverse ecological consequences due to increasing conversion of low-lying paddy lands for non-agricultural purposes after filling the land. The filling of paddy lands and over exploitation of irrigation facilities have affected water conservation very adversely and a growing tendency.

The State is the first in the country in human development index, literacy rate and sex ratio. In recent years, the State is going ahead as a potential destination for ecotourism, information technology etc. However the predominantly agro based rural economy drags back the State



Principal Baselius College Kottavam