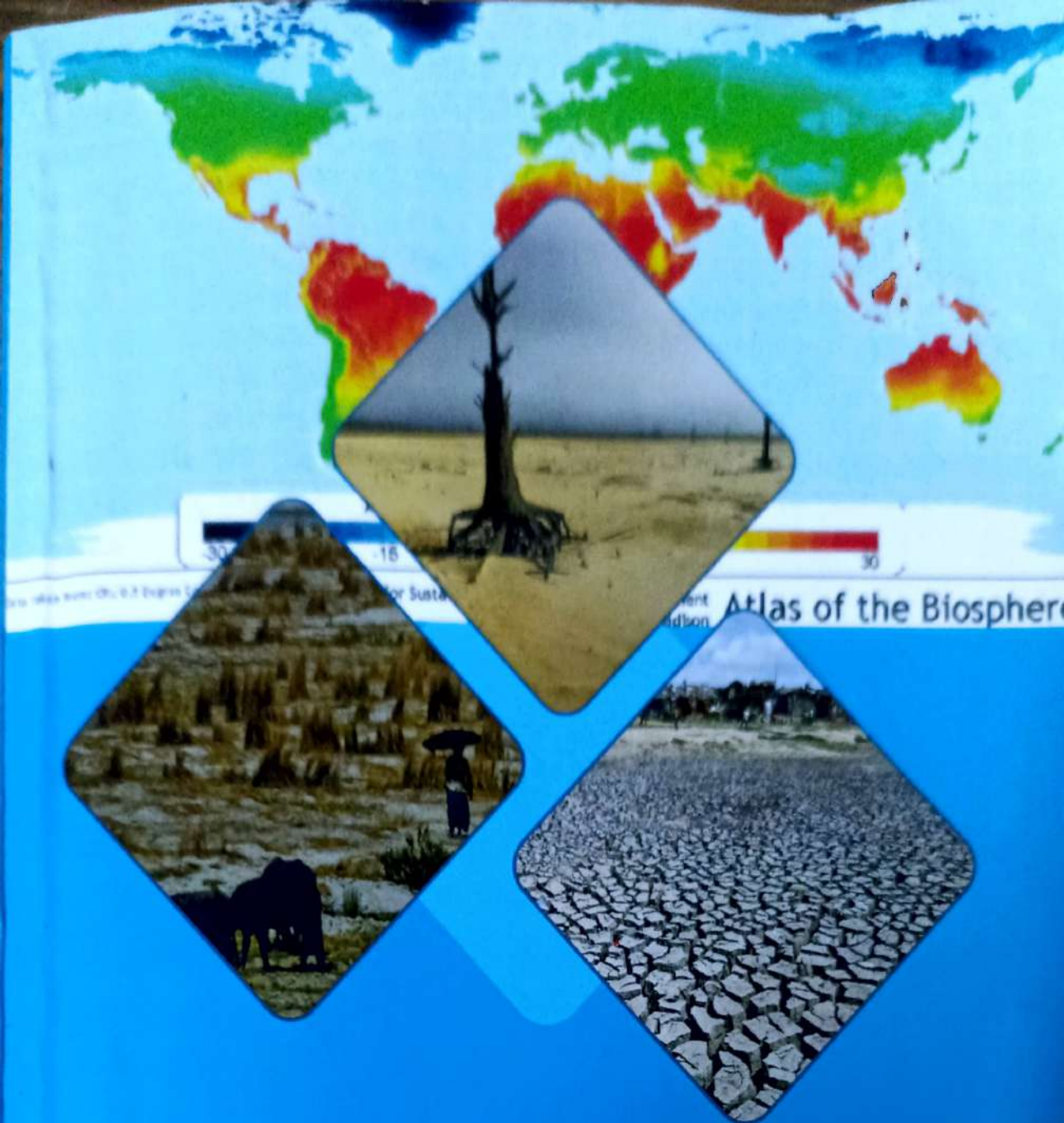




Ozone and Life Under:

Certain Environmental Concerns

Edited by

Sameer Babu M, Ph.D.

Department of Education
University of Kerala
Tele: + 91 471 2304718
Email: utydeptedn@gmail.com

Ozone and Life Under: Certain Environmental Concerns

© 2018, Sameer Babu M, Ph D

First Edition

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

Published from



Parker & White Foundation
Bakery Junction, Trivandrum 14
Tele +91 471 2335361
e-mail: parkerwhitepublish@gmail.com

14	Feedstock Recycling–Transformation of Plastic Polymers <i>Smitha K.S.</i>	124
15	Consumer Behaviour and Ozone Depletion <i>Divya Sasidharan Nair</i>	147
16	A Study on the Stress and Anxiety related Problems in Adolescent Learners of Ockhi Affected Coastal Belt of Trivandrum District of Kerala State <i>Shamila S.S.</i>	153
17	Relevance of Western Ghat Conservation in the Interphase of Recently Increased Landslide and Flood in Kerala <i>Sarath Chandran R. & Sumi S.S.</i>	169
18	Ozone Layer Depletion and Importance of Conserving Biodiversity for Sustainable Development <i>Neena Bhasi & Dr. Geetha Janet Vitus</i>	181
19	Environmental Management and Environmental Audit for Sustainable Living <i>Dr. Bindu R.L.</i>	189

This book gives an array of papers on environment and related concerns. All the papers were presented in a National Seminar on *Space and Life Under*, organized by the Department of Education, University of Kerala, as a part of *Climate Day Celebrations*. *With* Major themes of the seminar, on which papers have been written, were *Environmental Issues and Recent Technologies, Research on Factors Determining Ozone Layer Pollution and Pollutants, Water Pollution and Human Civilizations, Nuclear Disasters and Scientific Community, and Protection of Health and Environmental Hazards*. This would be of great interest to the students of Education and teachers who have special interest in Environment and Environmental Education.

About the Editor

Samson Balan, M. Ph.D. is currently, serving as Associate Professor of Education, in the University of Kerala. He works on psychological variables like goal orientation, bullying victimization, relational aggression, and academic buoyancy.



Department of Education
University of Kerala, Thiruvananthapuram-695 001
Phone: 0471-2551111
E-mail: education@univkerala.ac.in





Peace Education

Dr. Renjini U. & Prof. (Dr.) Geetha Janet Vitus

PEACE EDUCATION

Published by
Confidence Publishers
Thycaud, Thiruvananthapuram
Mob: 9947932225
E-mail : anooprvm@gmail.com

Printed at
Confidence Publishers
Thycaud, Tvm-14

ISBN 978-93-93306-17-3

Copyright @ Author

7 THE ROLE OF SOCIAL MEDIA IN PEACE
EDUCATION

Revathy B. S.

116-117

8 AXIOMATIC APPROACHES TO PEACE
EDUCATION

Greshma Raveendran &*

116-117

*Prof. (Dr.) Geetha Janet Vitis***

9 PEACE EDUCATION FOR SUSTAINABLE
DEVELOPMENT

152-164

Divya Sasidharan Nair & Aria Mol S.***

10 PEACE EDUCATION FOR NEXT
GENERATION

165-189

Dr Salini S.

11 RELEVANCE OF PEACE EDUCATION IN 21st
CENTURY

189-207

Dr Sunny M. Scaria

12 PEACE EDUCATION: A TOOL FOR
COEXISTENCE, RECONCILIATION AND

208-232

PEACE BUILDING

Satheesh Kumar J, and Anu J Vengal**,*

*Prof. (Dr.) Jaya Jaise****

13 PEACE EDUCATION: DIMENSIONS AND
APPROACHES

233-250

Dr. Lekshmi V.

REIMAGINING THE PURPOSE OF **ENERGY EDUCATION** BEYOND **CONSERVATION**

B



Editors

Dr. DIVYA C. SENAN
ANNIE FEBE VARGHESE

**Reimagining the purpose of
Energy Education beyond Conservation**
(Collection of selected Articles and Research Studies)

Editors

**Divya C. Senan &
Annie Feba Varghese**

First Edition

2022 October

Prepress & Publishing

Pravda Books, Kollam

Ph: 9400294893

Email: pravdabookskenala@gmail.com

www.pravdabookskenala.com

© Copyrights Reserved

ISBN 978-93-91407-19-3

Price : ₹ 500

INDEX

Sl.No.	Title	Page
1.	Estimation of Carbon Sequestration Potential of Tree Species at All Saints' College, Thiruvananthapuram Anchu M.S., Reshma J. K., & Divya C. Senan	11
2.	Climate Change and Youths' Career Planning, Development and Decision - Making in Educational Settings Daliko Mhule & Sameer Babu M.	21
3.	A Review on Waste to Green Energy Technology in Solid Waste Management Nimmi Babychan & Reshma J.K.	40
4.	Education for Total Consciousness: Exploring Eco Psychology and Psychodynamics for Sustainable Practices Rakhi A. Rajendran & Sindhya V.	49
5.	Renewable Energy for Humanity Divya Sasidharan Nair & Geetha Janet Vitus	59
6.	Eco-Pedagogy: A Transformative Approach for Planetary Conscience Seema Gopinath & Vijayalekshmi N S	67

GLIMPSES OF LEADERSHIP PRACTICES IN EDUCATION



Editors
Sumi S. S.
Prof. (Dr.) Geetha Janet Vitus

Published by

S. B. Nangia

A.P.H. Publishing Corporation

4435-36/7, Ansari Road, Darya Ganj,

New Delhi-110002

Phone: 011-23274050

e-mail: aphbooks@gmail.com

2021

© Editors

Typeset by

Ideal Publishing Solutions

C-90, J.D. Cambridge School,

West Vinod Nagar, Delhi-110092

Printed at

BALAJI OFFSET

Navin Shahdara, Delhi-110032

- 8 Difficulties and Solutions Teacher Leadership of English Language Teachers
Jithin S.
- 9 Leadership Styles for Principals
Divya Sasidharan Nair and Prof. (Dr.) Geetha Janet Vitus
- 10 Contribution of Bal – Panchayat in Developing Leadership at School Level
Ajay Mahadev Kale
- 11 Digital Environment Leader (Del) Do they Really Exist?
Dr. Harikrishnan M.
- 12 Roles and Challenges of Contemporary Leadership and Management in the School System
Dr. Hirpassa Chala
- 13 Innovative Leadership Practices in School With Special Reference to Peniel School, Keralapuram
Pallavi Sasidharan Pillai and Preethi R.
- 14 Leadership Practices in Schools — An Initiative Integrating Technology with Teaching, Discipline, Learning and Counselling of Students in Faridabad District of Haryana
Upasana Nasa and Pravendra Singh Birla
- 15 Influence of Leadership on Students Learning
Rajeswari V. S. and Shamna Rani A.
- 16 Needs and Barriers in Inclusive Leadership
Dr. Sobha S.
- 17 Inclusive School Leadership
Suman Sharma

Glimpses of Leadership Practices in Education

Editors Sumi S. S., Prof. (Dr.) Geetha Janet Vitus

The concepts of leadership, management and administration overlap and have been accorded different emphasis over time and in different contexts. The usage varies across countries and professional cultures. In English speaking countries such as Australia, Canada, New Zealand, the UK and the US, the role of leader has been seen as of prime importance in raising standards and promoting school improvement, but this is not so in other countries, for example the Netherlands and Scandinavian countries. The difference in emphasis reflects variations in the functioning of education systems and their historical, national and regional policy contexts that will exert different degrees of influence on institutions' work and therefore on the role of leaders in schools. School leaders are under considerable pressure to demonstrate the contribution of their work to school improvement, which has resulted in the creation of a wide range of literature which addresses leadership in the context of school improvement. This review pays particular attention to issues including transformational leadership, instructional or pedagogical leadership and distributed leadership. The present edited book on "Glimpses of Leadership Practices in Education" has been classified into two categories such as student leadership and professional leadership in school education.



Sumi S.S., is currently pursuing Ph.D. in Education at Department of Education, University of Kerala, Trivandrum.



Prof. (Dr.) Geetha Janet Vitus is working as Professor, Head & Dean faculty of Education in the Department of Education, University of Kerala, Trivandrum. She is also holding the position of Honorary Director, the Centre for Learning Disabilities and Difficulties (CLDD), in the Department of Education, University of Kerala. At present she is a Member of PG Board of Studies (Education), University of Kerala, Chairman Board of Studies in Education (PASS), Member of UG and PG Board of Studies in Special Education, Tamilnadu Teacher Education University, Chennai.

₹ 1995/-

ISBN 978-93-91979-39-3



9 789391 979393



APH PUBLISHING CORPORATION

4435-36/7, Ansari Road, Darya Ganj,
New Delhi 110002 Email: aphbooks@gmail.com

AN INTRODUCTION TO VOCATIONAL EDUCATION



Editors

Sarath Chandran R.
Dr. Geetha Janet Vitus

Published by
S.B. Nangia
A.P.H. Publishing Corporation
4435 36 7, Ansari Road, Darya Ganj,
New Delhi-110002
Phone- 011 23274050
e-mail- aphbooks@gmail.com

2021

© Editors

DECLARATION

All Content including text, tables, figures, photographs and all other information are the property of this book "An Introduction to Vocational Education" protected by copyright. The contents of pages should not be produced, copied, published or printed all or any part of contents in any form by any one, by any means electronic, photocopying or otherwise without the written permission of "An Introduction to Vocational Education".

The opinion and views expressed in the articles published in "An Introduction to Vocational Education" are of the contributors themselves. The Editors do not take responsibility of the same.

Typeset by
Ideal Publishing Solutions
C-90, J.D. Cambridge School,
West Vinod Nagar, Delhi-110092

Printed at
BALAJI OFFSET
Navin Shahdara, Delhi-110032

17	Logical Impacts of Credits in Vocational Higher Education Systems <i>Anil Kumar S.</i>	176
18	Revamping Vocational Education and Training to Ensure Jobs with a Future <i>Simi M. and Dr. Bindu R. L.</i>	195
19	Vocational Education in Economic Development <i>Dr. Geetha Janet Vitus and Divya Sasidharan Nair</i>	210

AN INTRODUCTION TO VOCATIONAL EDUCATION

Vocational education or Vocational Education and Training (VET), also called Career and Technical Education (CTE), prepares learners for jobs that are based in manual or practical activities, traditionally non-academic and totally related to a specific trade, occupation or vocation, hence the term, in which the learner participates. It is sometimes referred to as technical education, as the learner directly develops expertise in a particular group of techniques or technology. Generally, vocation and career are used interchangeably. This edited book on Vocational Education contains nineteen chapters which are arranged in a particular sequential order based on vocationalisation in school education or general education and higher education respectively.



Sarath Chandran R. is currently pursuing Ph.D. (N.C.E.R.T. Doctoral Fellow) in Education at Department of Education, University of Kerala, Trivandrum.



Dr. Geetha Janet Vitus is working as Associate Professor and Head in the Department of Education, University of Kerala, Trivandrum. She is also holding the position of Honorary Director, the Centre for Learning Disabilities and Difficulties (CLDD), in the Department of Education, University of Kerala.

At present she is a Member of PG Board of Studies (Education), University of Kerala, Chairman Board of Studies in Education (PASS), Member of UG and PG Board of Studies in Special Education, Tamilnadu Teacher Education University, Chennai.

₹ 995/-

ISBN 978-93-89875-95-9



9 789389 875959



APH PUBLISHING CORPORATION

4435-36/7, Ansari Road, Darya Ganj,

New Delhi 110002 Email: aphbooks@gmail.com

पुराणम् Purana

Vol. LXV
Issue-1
No.6
2022



Vol. LXV, Issue-1, No. 6, 2022

पुराणम्
PURĀṆA

(Half-yearly Bulletin of the Purāṇa-Department)

With the financial Assistance from the Ministry of Education,

Government of India

VASANTA PAÑCAMĪ NUMBER

आत्मा पुराणं वेदानाम्

SILVER JUBILEE NUMBER



ALL-INDIA KASHIRAJ TRUST
FORT, RAMNAGAR, VARANASI

- 11 A HISTORICAL SURVEY OF OIL REFINERY MOVEMENT OF ASSAM
Md Khaleed Barbhuiya 65-73
- 12 THE IMPACT OF SOCIAL STIGMA ON THE CHILDREN OF
A COMMERCIAL SEX WORKERS
Rahul Singh 74-82
- 13 CHALLENGE FACED BY WOMEN STREET VENDORS DURING THE COVID
PERIOD ARAVAKURICHY TALUK, KARUR DISTRICT
Dr. M. Dhamodharan 83-94
- 14 LIFE SKILLS FOR ENGLISH LANGUAGE LEARNING AMONG YOUNG AND HIGH
SCHOOL STUDENTS
Gummidelli Mahender 95-99
- 15 HISTORICAL EVOLUTION AND SYNCRETISM OF SACRED TRADITIONS IN
KERALA; A CONTEXTUALIZATION OF THE INTEGRATION OF AYYANAR,
SASTHA, AND AYYAPPAN CULT PRACTICES IN CENTRAL TRAVANCORE
Jithin Sankar N. 100-109
- 16 A STUDY ON THE NEED PATTERN OF COLLEGE TEACHERS WITH SPECIAL
REFERENCE TO KANNUR AND KASARAGOD DISTRICTS
Dr. Jothi M. P. V 110-121
- 17 STUDY ON THE IMPACT OF MY TREE PROGRAM WITH SPECIAL REFERENCE
TO ST THOMAS HIGHER SECONDARY SCHOOL
Muhammed Shalikh N 122-128
- 18 योगदर्शन एवं महाभारत में निरूपित योग विज्ञान
डॉ रत्ना पाण्डेय, डॉ ममता द्विवेदी, पाण्डेय 129-137
- 19 DIGITAL SKILLS & WEB 2.0 TOOLS: A PANACEA FOR PROSPECTIVE TEACHERS
IN THE NEW NORMAL
Dr. Nikhitha Raju, Prof. (Dr.) Geetha Janet Vitus 138-143
- 20 EFFECTIVE METHODS OF TEACHING PEACE EDUCATION AMONG B Ed
STUDENTS
Dr. Renjini U, Prof. (Dr.) Geetha Janet Vitus 144-149
- 21 HEROIC PERCEPTION OF DURYODHANA: AN ANALYSIS OF PORUVAZHY
PERUVIRUTHY MALANADA TEMPLE
Gopika Unni P 150-155
- 22 TRAVERSING QUEER POLITICS AND LESBIAN FEMINISM IN REGIONALISM:
AN ANALYSIS OF MALAYALAM LESBIAN FILMS
Sreekutty. S 156-161

UGC Care Group 1 Journal

ISSN : 2278-6864

EDUCATION AND SOCIETY

शिक्षण आणि समाज

Vol. 45, No.3 July-September 2022



INDIAN INSTITUTE OF EDUCATION
J.P. Naik Path, Kothrud, Pune-38

Education and Society

UGC Care Group 1 Journal
ISSN 2278-6864

शिक्षण आणि समाज Education and Society

Since 1977

Vol. 45, No.3 July-September 2022

The Quarterly dedicated to the policy of "Education for Social
Development and Social Development through Education"



Indian Institute of Education

J. P. Naik Path, Kothrud, Pune-38

10	SOCIAL MEDIA REVOLUTION AND DIGITAL GENDER DIVIDE: FROM WOMEN'S PERSPECTIVES	Dr. Nikhitha Raju Dr. Geetha Janet Vitus	57
11	AWARENESS OF DRUG AND ALCOHOL ABUSE AMONG ADOLESCENTS	Dr. Padma Priya P. V	62
12	ROLE OF TEACHER IN PEACE EDUCATION: A LITERATURE REVIEW	Dr. Renjini U Prof. (Dr) Geetha Janet Vitus	66
13	MARGINAL SELF AND IDENTITY: ERASURE VS. ASSERTION	Dr. Teddy C. Anthappai	72
14	A STUDY ON PERCEIVED EMOTIONAL LITERACY OF HIGHER SECONDARY SCHOOL STUDENTS	Dr Sethu S Nath Dr Mridula K Dr Jayaprakash R K	78
15	EDUCATIONAL APPS: CRITERIA, FEATURES, AND BENEFITS	Greeshma Raveendran Prof. (Dr.) Geetha Janet Vitus	87
16	SELF-EFFICACY AND ACADEMIC ACHIEVEMENT AMONG SECONDARY STUDENTS	Dr Mohan Galgotra Dr Ishfaq Ahmed Bhat	92
17	AN ANALYSIS OF TRADE RELATION BETWEEN INDIA AND USA	Nikita Balhara	99
18	AN ECONOMIC ANALYSIS OF CONSUMPTION PATTERN IN SEMI-URBAN HOUSEHOLDS	Gurmeet Singh Dr. Parveen Kumar	102
19	THE SOCIO-CULTURAL ISSUES OF SICKLE CELL DISEASE PATIENTS IN THE NABARNGPUR DISTRICT, ODISHA	Ajeet Jaiswal Manas Ranjan Takri	112
20	THE CONCEPT OF GOD IN THE PHILOSOPHY OF SANKARDEVA : A STUDY	Sailen Borkakati	119
21	REHABILITATION ISSUES AND INFRASTRUCTURAL FACILITIES FOR THE VISUALLY IMPAIRED IN SRINAGAR CITY	Syed Toasin Rehmat	122

Teacher, Learner And Society

Vol.12 No. 2 December 2015



An Interdisciplinary Peer Reviewed Research Journal in Education

Mar Theophilus Training College
Thiruvananthapuram-15, Kerala, India.



www.mttc.ac.in

ISSN 2319-1709-24

TEACHER LEARNER AND SOCIETY

An Interdisciplinary Peer Reviewed Research Journal in Education

[Approved by University of Kerala]

Vol. 12 No. 2. December 2015



Mar Theophilus Training College

(Re-accredited by NAAC: Grade - A)

Nalanchira P.O., Thiruvananthapuram - 15

Kerala, India

Phone: 0471-2530074, 2533518

email: mttctvm15@ gmail.com

mttctvm15@ yahoo.com

website: www.mttc.ac.in

ISSN 2319-1709-24

CONTENTS

EDITOR'S NOTE

GENERAL ARTICLE

HIGHER EDUCATION FOR NATIONAL INTEGRATION
Sreedevi.S

6

✓ STRATEGIES FOR INCULCATING PEACE VALUES AMONG SECONDARY
SCHOOL STUDENTS

Renjini U. & Maya S.

8

SIGNIFICANCE OF EXPERIENTIAL LEARNING MODEL IN SECONDARY
SCHOOL LEVEL

Shemeena Hussain & Maya S.

16

MOBILE TECHNOLOGY IN TEACHING LEARNING PROCESS

O.K. Praveen

20

RETHINKING THE INTEGRATION OF ICT IN EDUCATION: PROBLEMS
AND PROSPECTS

Alphonsa Joseph

28

RESEARCH ARTICLE

COMPREHENSIVE CURRICULUM REVISION FROM PRE-PRIMARY TO
HIGHER SECONDARY LEVEL AS PER KERALA SCHOOL CURRICULUM
2013 IN KERALA

Jayalekshmi S.

35

SOCIAL SKILL DEFICITS AMONG ADOLESCENTS WITH LEARNING
DISABILITIES: TECHNOLOGICAL REMEDIATIONS

Chithra K.S.

47

IMPACT OF POSITIVE THINKING AND PROCRASTINATION BEHAVIOUR
ON THE ACADEMIC ACHIEVEMENT OF STUDENT TEACHERS

Sajith Raj

53

Inclusive Education
A Way Forward

Dr. Sindhya V



Inclusive Education: A Way Forward

Copyright © 2024

Centre for Learning Disabilities and Difficulties, Department
of Education, University of Kerala

Edited by **Dr. Sindhya V**

Published by

Confidence Publishers

TC 28/496/2, Sasthamcovil Road

Near Govt. Arts College, Thycaud

Thiruvananthapuram 695014

E-mail: Confidencecopy1@gmail.com

anooprivkm@gmail.com

Mobile No: 9947932225

ISBN: 978-93-93306-98-2

Printed at:

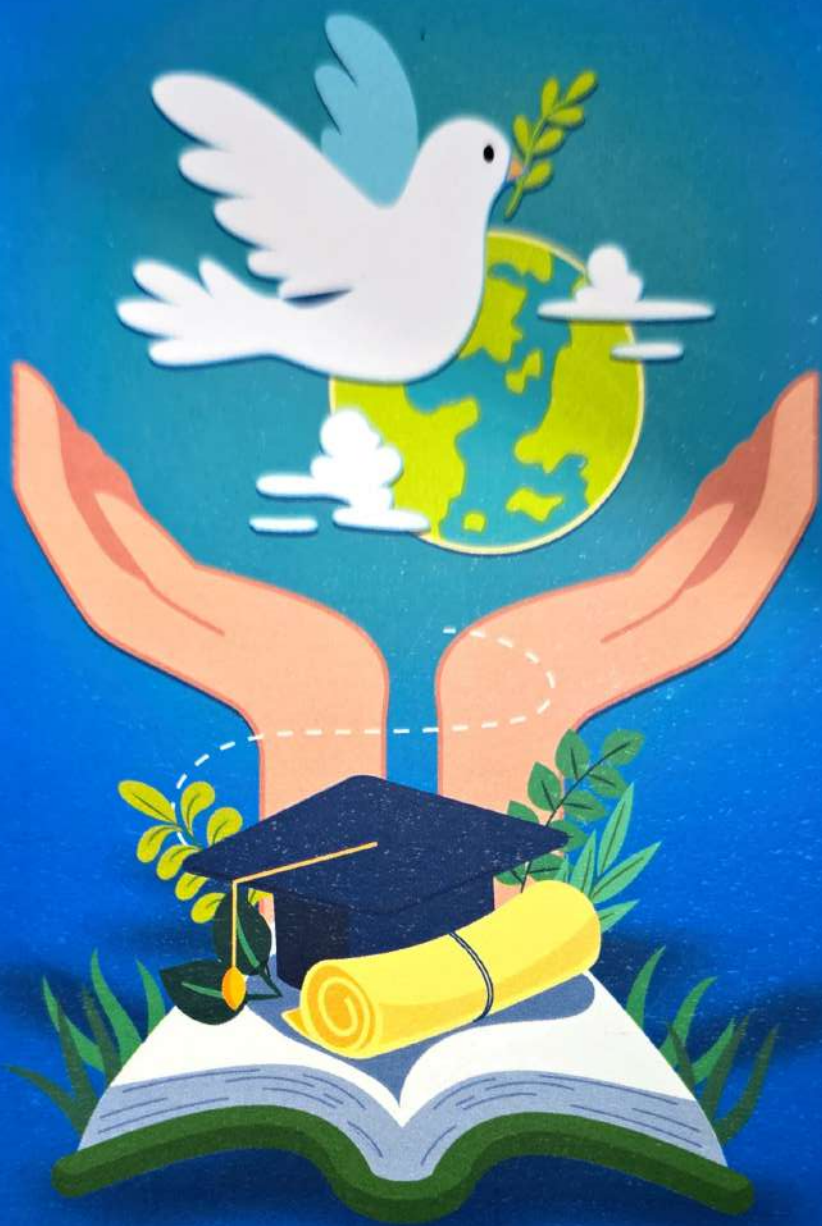
Confidence Copy Plus

Thycaud, Thiruvananthapuram -14

DR. RENDINI U.
MA. M. ED., M. Phil. PDE
Assistant Professor
PTM College of Education
University of Kerala

CONTENTS

		Page No
1	Inclusive Education for Promoting Social Interaction in Early Childhood Care and Education <i>Alfred Foday Samura & Dr. Bindu D</i>	1-11
2	Promoting inclusive education: Strategies for addressing diverse learning needs <i>Akhila U R & Bindya R S</i>	12-18
3	Empowering Every Learner: AI Solutions for Inclusive Education <i>Indrajith R</i>	19-29
4	Role of Resource Mobilization in Secondary Schools for Inclusive Learning <i>Haleema M, Anakha S G & Aiswarya V B</i>	30-42
5	Intersectional Awareness of Higher Secondary School Students in Relation to Gender Stereotyping and Social Intelligence <i>Nayana S.</i>	43-56
6	Inclusive Classroom: Teacher Competencies and Challenges <i>Dr. Renjini U</i>	57-64
7	Policies and Provisions for CWSN : An Outlook with Reference to NEP 2020 <i>Kumari Sandra C S</i>	65-74



Peace Education

Dr. Renjini U. & Prof. (Dr.) Geetha Janet Vitus

PEACE EDUCATION

Published by

Confidence Publishers

Thycaud, Thiruvananthapuram

Mob: 9947932225

E-mail : anooprvm@gmail.com

Printed at

Confidence Publishers

Thycaud, Tvm-14

ISBN 978-93-93306-17-3

Copyright @ Author

ABOUT THE AUTHORS

Dr. Renjini U.

Dr. Renjini U. is a Post-Doctoral Fellow in Department of Education, University of Kerala. Dr. Renjini U. is a graduate from H H Maharajas College for Women, Thiruvananthapuram and had M.A. (Philosophy), M. A (History), B.Ed. and M.Ed. in Social Science, M.Phil in Education, Ph.D in Education and Post Graduate Diploma in Counselling Psychology. She had more than 3 years of teaching experiences in B.Ed. level.

She had participated in various national/ International Seminars and workshops, presented research papers and published articles in various UGC care listed and peer reviewed journals. Her areas of interest are Peace education, Adolescent Education Programmes and Counselling.

Dr. Renjini U. had participated as a resource person in various programmes in schools and B.Ed. colleges.

**VOLUME 18 ISSUE 1
JANUARY 2023**

ISSN 0975-5144

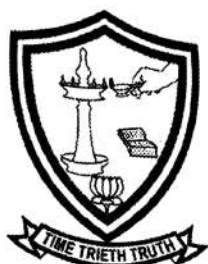
GCTE JOURNAL OF RESEARCH AND EXTENSION IN EDUCATION

(PEER REVIEWED JOURNAL)



GOVERNMENT COLLEGE OF TEACHER EDUCATION
Research Centre in Education, University of Kerala
(Reaccredited by NAAC with 'A' Grade)
THIRUVANANTHAPURAM, KERALA
SOUTH INDIA

**GCTE JOURNAL OF
RESEARCH AND EXTENSION
IN EDUCATION**
(Peer Reviewed Journal)



**GOVT. COLLEGE OF TEACHER EDUCATION
(RESEARCH CENTRE IN EDUCATION,
UNIVERSITY OF KERALA)
THYCAUD, THIRUVANANTHAPURAM-695014**

Phone. 0471 2323964
website. www.gctetvm.com
e mail. gctetvm@gmail.com
Fax. 91-471-2323964

GCTE JOURNAL OF
RESEARCH AND EXTENSION IN EDUCATION
(Peer Reviewed Journal)

Volume 18 (1)

January 2023

CONTENTS

About the Journal

Managing Editor's Desk – *Dr V K Santhosh Kumar*

Editorial

Expanding Horizons, A Glimpse into the GCTE Journal of Research
and Extension in Education

Dr Issac Paul

Issues and Trends

1. Understanding Stem. Implementation in Modern Classrooms

Dr Divya C Senan & Dr Annie Feba Varghese

2. Role of Chatgpt in the Field of Education

Dr Renjini U

Research Articles

1. Lexical Competence in English among Higher Secondary School
Students

Anju C & Dr Nidhu Neena Varghese

2. Preventing Substance Abuse among Adolescents, A School-Based
Awareness Programme

Ashi Susan Kuriakose & Dr Sherin G. Thomas

3. Interactive Multimedia Package for Enhancing Awareness on Child
Abuse among Secondary School Students

Neethu G & Dr Binuraj A

4. Graphic Novels in Education

Devika S Praveen & Dr Manoj Praveen G

5. Unveiling the Impact of Metacognitive Learning Strategy on
Academic Achievement in Social Science for Standard IX Students

Harsha T Vinod & Dr A Hameed

6. Exploring the Critical Understanding of Digital Media among
Higher Secondary Students

Dr Liz Kuriakose