## UGC Sponsored National Seminar on

## NEW VISTAS AND DIMENSIONS IN ELT

$1^{\text {st }}$ February 2018

Organised by

## NATIONAL SEMINAR ON NEW VISTAS AND DIMENSIONS IN ELT

## Copyright © 2018

All rights reserved. Authorized reprint of the edition published by Iris Publications. No part of this book may be reproduced in any form without the written permission of the publisher.

Limits of Liability / Disclaimer of warranty: The authors are solely responsible for the contents of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner Errors, if any are purely unintentional and reader are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained here in may not be suitable for ever situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this written and when it is read.

```
    ISBN 978-81-936421-2-2
```

Kavin Publications,
A.15, Saijan Business Center, \#1362 Thdakam Road, R.S.PURAM, COIMBATORE. 641002.
M:7395866699 / 9486422641.
E: kavinpublications@gmail.com.

```

\section*{From the Editor's Quill}

English has become a global necessity, national need and a social requirement. But English in India enjoys a dubious status of being socially wooed and politically thwarted. The modern world is saturated, information updated, and intrinsically networked. Being a digital immigrant, the role of the English teacher, the nature and context of learning as well as the function and relative importance of course content have all been challenged and redefined. New methods, approaches and techniques have emerged battering and assaulting the conventional modes of teaching-learning process. Yet, it seems to be elusive to the grasp of the learners. The dire need of the learners is not on 'form' but on the 'function' of the language. The university students in India, with their highly scholastic achievement do not possess adequate employable skills. As English is the language of the work force. it plays a vital role in deciding the employability quotient. To have an edge over the others in every sector, be it academic. technical and administrative, an excellent standard of teaching methods should be complemented with other skills by teachers. A teacher requires constant updating of skills and ongoing reflection of current learning theories. Hence a teacher needs to be a co-learner rather than a facilitator.

The focus of the seminar is on the dynamic deliberations of progressive approaches to enhance and enliven the teacher and the taught. Hope this academic exercise will really enlighten and enrich the participants to keep themselves abreast of emerging techniques. The latest trends in English language teaching extend a great opportunity to swap their ideas and hone their skills in order to make teaching enjoyable and productive.

The scholarly articles on English language teaching through literature, smart phones, online and web tools have strengthened the gusto and vigour of the seminar. The contributors have explored not only the theoretical aspects of teaching but also the applications on the various innovative methods to be adopted in the classroom. The views expressed and the experiments implemented in the learning environment by the creative and resourceful teaching fraternity bestow fruitful information and encourage the fellow teachers to adopt and execute them in their class rooms. The role of the teacher has been redefined. He or she has to lead the learners to become more creative. problem solvers and effective collaborators.

The seminar aims to instill the spirit of enquiry and research in various facets in the teaching-learning process to equip the participants to gain an insight into the latest requirements of being a teacher in the practical forum. The cry of the ELT community is to have a method by Indians, for Indians and of Indians.

The Editorial Committee offers myriads of thanks to the support received from all quarters.



\section*{कापए}

\(\triangle\)

\section*{}


\section*{(uாநதயார் பல்கணலக்கழகத்த்றகுஉ டபட்தத)}

2. ரிமை :

தமிழ்த்துறை,
ஸ゙ரீ ஆி. வி.ஆி. விசாலாட்சி மகளிர் கல்ஞூரி (தன்னாட்சி)
உடுமமைை.
முதற்பதிப்பு 2015

விணை ரூ. 100/-

அச்சிட்டோர் :
சாய் கிரியேட்டிவ்
2 - Cுமமை.


हचन 108 कुश की

கருத்தரங்க அமைப்புக்குழு
புரவலiா
ஸீமதி சுமதி கிருஷ்ணபிரசாத்
செயலா
தலைவாா
முணைவாா கி.புனிதவல்லி முதல்வர்(பொறுப்பு)

ஒருங்கிணைப்பாளா்
முனைவா். ப.தமிழ்ப்பாவை
தமிழ்த்துறைத் தலைவ்ா \& இணைப்பேராசிிியா்
அமைப்புக் குழுவின்

வி.வசுமதி
முணைவा.வே.செடிப்பவுன்
சே.மகேஸ்வாி
சு. பிருந்தா
ந.சாரதாமணி
ல.ராஜேஸ்வாி
முணைவा்.மு.ருக்மணி
முஆைவा..மா.போ.ஆனந்தி
முணைவाா.சு.சசிகலா
இரா.றிபிரியயா

இணைப்பேராசிிியா
துணைப்பேராசிிியயா
துணைப்பேராசிிியாா
துணைப்பேராசிிியiா
துணைப்பேராசிரியா்
துணைப்பேராசிரிய|ா
துணைப்பேராசிிிய|i
துணைப்பேராசிிியா்
துணைப்பேராசிிிய|்
துணைப்பேராசிிியाா

\section*{உள்ளுறை}
1. சங்க இலக்கியப் பாடல்களில் நகைச்சுவை அகிலாண்டேஸ்வாி, நா.
2. நாட்டுப்புß இலக்கியத்தில் நகைச்சுவை அமுதா, இரா.
3. நகைச்சுவை நிறைந்த வதம் ஆனந்தி, மா.போ.
4. விவேக சிந்தாமணியில் நகைச்சுவை

கவிதா, ந.மு.
5. கம்ப ராமாயணத்தில் நகைச்சுவைத் திறம் கண்ணன், அा.
6. ஓளவை நிர்மலாவின் சொர்க்கத்தில் நவபாரதத்தில் நகைச்சுவை கிருஷ்ணハூா்்்தி, ந.
7. திருக்குறள் வகுத்த நகைநெறி கொழந்தசாமி, ப.
8. எட்டுத் தொகையில் நகைச்சுவை

கோகிலா, த.
9. பாரதியும் நகைச்சுவையும்

கோவிந்தராஜன், அ.
10. உடல் உளக் கூறுகளின்
அடிப்படையில் நகைச்சுவை வெளிப்பாடு சங்கீதா.ப.
11. சித்தர் பாடல்களில் நகைச்சுவை ..... 55
சசிகலா, சு.
12. பாரதிதாசன் பாடல்களில் நகைச்சுவை ..... 60
 சத்யா, ச.
13. புதுக்கவிதைகளில் நகைச்சுவை ..... 64
 சாரதாமணி, ந.
14. நற்றிணையில் நகை

சித்ரா, சி.
15. பாரதிதாசன் படைப்புக்களில் நகைச்சுவை ..... 74
 சுபா, கா.
16. காளமேகத்தின் கவி மழையில் நகைத்துளிகள் சுஜாதா, சு.
17. குறந்தொகையில் நகை86

செடிப்பவுன், வே.
18. பதிற்றுப்பத்தில் நகைச்சுவை90

தமிழ்ப்பாவை, ப.
19. கண்ணதாசனின் திரையிசைப் பாடல்களில் நகைச்சுவை தமிழரசி, வெ.
20. ஞானச் சிரிப்பு

தீபிகா தேவி, ச.
21. பாரதிதாசனின் நகைச்சுவை
நி்்மலா, இரா.
22. ஐங்குறுநூற்றில் நகைச்சுவை

பத்மாவதி, சா.

23. இலக்கியத்தில் நகைச்சுவை ..... 116

பாண்டியன், சி.
24. பரிபாடல் - வையைச் சொல்லும் நகைச்சுவை 120 பாலமுருகன், த.
25. முக்கூடற் பள்ளுவில் நகைச்சுவை 125

பிருந்தா, சு.
26. நாட்டுப்புறு்பாடல்களில் நகைச்சுவை

புனிதா, தே.
27. பாரதிதாசனும் நகைச்சுவையும்

மகாலக்குமி, த.
28. சுந்தரர் தேவாரத்தில் நகைச்சுவை மகேஸ்வாி, சே.
29. கடவுள் வந்திருந்தாா் நாடகத்தில் நகைச்சுவை மலர்விழி ரெஜி, பி.
30. சங்கம் மருவிய காலத்தில் நகைச்சுவை மாலதி, த.
31. குறளும் நகையும்

ராஜ்குமார், தே.
32. நலுங்குப் பாடல்களில் நகைச்சுவை

ராஜேஸ்வா, ல.
33. உடுக்குப் பாடல் நிகழ்த்துதல்களில் நகைச்சுவை

ருக்மணி, மு.
34. குறுந்தொகையுள் நகை ரேவதி, ப.
35. உடுமலையாரின் இலக்கியம் வழி என்.எஸ். கிருஷ்ணனின் நகைச்சுவை வசுமதி, வி.
36. பாரதிதாசனின் நகைச்சுவை மாந்தர்கள் விஜயலெட்சுமி, மா.
37. காளமேகப் புலவா் பாடல்களில் நகைச்சுவை

ஹேமலதா.மு
38. திருக்குறளில் நகைச்சுவை

ஜெயலட்சுமி, ப.
39. ஈரோடு தமிழண்பனின் சென்ரியு

கவிதைகளில் நகைச்சுவை
ضீபிரியIT, ரா.

\title{
MINDSCAPE \\ (A Multidisciplinary, Biannual, Research Journal)
}
Volume 1 Number 2 July - Dec. 2013 ISSN:2321-502X

\section*{Contents}

Sprouting of Flowers: Indian Women Poetry Now
Interpreting Human Maladies: Jhumpha Lahiri's Interpreter of Maladies

Trauma in Childhood: Approaches of D. H. Lawrence and Henry James

An English Governor Made Indian God
From P\&T to the BSNL
Satisfaction of Educational Loan Borrowers In Udumalpet Taluk
\(\mathrm{m}_{\mathrm{x}}\)-Generalized Pre- Regular Closed Sets in Minimal Spaces

Heuristics Approach for Dynamic Supply Chain
Inventory `Optimization
Book Review

Dr. M. S. Nagarajan

Dr. D. Anusuya

Priya Sharon Thomas
V. K. Saraswathi

Dr. N. Lakshmi \&
N. Kalaiarasi
A. R. Thilagavathy \&
A. Anis Fathima
N. Jeyanthi

Dr. Chandra Krishnan

Sri G.V.G.Visalakshi College for Women
(Autonomous)
Accredited at A Grade with CGPA 3.53 by NAAC
Udumalpet - 642128

\title{
Patron : Mrs.Sumathy Krishnaprasad Managing Trustee
}

Honorary Editor
Dr. J. Manjula Former Principal

Dr. P. Thailambal
H.O.D of English

Exofficio Editor
Dr. T. Rugmani Bai
Principali/c
Associate Editor
Dr. N. Lakshmi

\author{
Assistant Editor \\ Mrs. R. Angel Joy
}
```

                                    Advisors
    Dr.E.Balaguruswamy
Former Vice Chancellor, Anna University, Chennai.
Dr.Geetha Suresh
Associate Professor, University of Louisville, USA.
Dr.M.S.Nagarajan
Former Professor of English, University of Madras, Chennai

```

\section*{Editorial Board}

\section*{Dr.Malabika Deo}
```

Professor and Head, School of Commerce, Pondicherry Central University, Puducherry. Dr.Nagoor Gani
Associate Professor, Department of Mathematics, Jamal Mohamed College, Trichy.
Dr. Balasubramaniam(Retd)
Associate Professor, Dept. of History, CBM College, Kovai Pudur, Coimbatore
Dr. V. Dhanalakshmi
Head and Associate Professor, Department of Zoology, N.G.M. College, Pollachi
Dr.Chandra Krishnan
Assistant Professor in Tamil, Government Arts College, Coimbatore

```

\section*{Contact Address}

\section*{Sri G.V.G.Visalakshi College for Women(Autonomous) Udumalpet - 642128}

Telephone: : 04252223019
Fax : 04252233111
E.mail : editormindscape@gmail.com

Web : www.gvgvc.ac.in

Subscription Rate
Institution : Rs. 1,000
Individual: Rs. 300
Student : Rs. 200

\section*{MINDSCAPE}
(A Multidisciplinary, Biannual, Research Journal)
Volume 1
Number 2 July - December 2013
ISSN : 2321-502X

\section*{CONTENTS}
\begin{tabular}{llc} 
Sprouting of Flowers: Indian Women Poetry Now & Dr. M. S. Nagarajan & No. \\
Interpreting Human Maladies: Jhumpha Lahiri's \\
Interpreter of Maladies
\end{tabular}\(\quad\) Dr. D. Anusuya \(\quad 13\)

\section*{Book Review}

சிவசங்கரி, வாசந்தி நாவல்களில் பெண்ககள் - ஒர் ஒப்பாய்வு by Dr. P. Devaki
Reviewed by Dr. Chandra Krishnan.

\section*{Value Educafion}


Sri G.V.G Visalakshi College for Women (Autonomous) Re-accredifed at A Grade by NAAS An ISO 20018 2008 Cerfified Instifution Udumalpet - 642 128, Tamilnadu

\section*{Value Education}

Copyright © 2017 by Bonfring
All rights reserved. Authorized reprint of the edition published by Bonfring. No part of this book may be reproduced in any form without the written permission of the publisher

Limits of Liability/Disclaimer of Warranty: The authors are solely responsible for the conterts of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this was written and when it is read.

Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.


\section*{ISBN 978-93-85477-42-3}

\section*{Bonfring}

309, \(2^{\text {nd }}\) Floor, \(5^{\text {th }}\) Street Extension,
Gandhipuram, Coimbatore-64। 012 . Tamilnadu, India.
E-mail:info@bonfring.org
Website: www.bonfring.org

\section*{Contents}
Unit I Value Education1
1.1. Basic Characteristics of Values ..... 1
1.2. Nature of Values ..... 2
1.3. Types of Values ..... 3
1.4. Value Education ..... 5
1.5. Components of Value Education ..... 7
1.6. Purpose and Significance of Values in the Present World ..... 10
1.7. Concept of Human Values ..... 12
Unit II Family Values ..... 15
2.1. Family ..... 15
2.2. Brotherhood ..... 17
2.3. Pride of Womanhood ..... 18
2.4. Duties and Responsibilities ..... 20
2.5. Respect to Elders ..... 21
2.6. Flexibility ..... 24
2.7. Joint Family ..... 26
2.8. Dependability ..... 28
2.9. Accomplishment ..... 32
34
2.10. Family Ethics ..... 38
Unit III Social Values ..... 38
3.1. Society ..... 38
3.2. Social Sense and Commitment ..... 42
3.3. Social Awareness ..... 45
3.4. Life Skills ..... 543.5. Professional Ethics
Unit IV National Values
4.1. Meaning of Citizenship ..... 60
60
4.2. Indian Constitution ..... 62
4.3. Fundamental Rights and Duties ..... 67
4.4. Adult Franchise ..... 73
4.5. Unity in Diversity ..... 74
4.6. National Integration ..... 79
Unit V 5.1. Yoga and Meditation for Healthy Life ..... 84
5.2. Practice of Yoga in Daily Life ..... 85
5.3. Yogasanas ..... 88
5.4. The Role of Yoga in Daily Life ..... 108


\section*{Environmental Science}

Copyright © 2017 by Bonfring may be reproduced in any form without the written permission of the publisher.

Limits of Liability/Disclaimer of Warranty: The authors are solely responsible for the contents of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this was written and when it is read.

Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.


ISBN 978-93-84743-91-8

\section*{Bonfring}

309, \(2^{\text {nd }}\) Floor, \(5^{\text {th }}\) Street Extension,
Gandhipuram, Coimbatore-641 012.
Tamilnadu, India.
E-mail: info@bonfring.org
Website: wmw.bonfring.org
Phone: 0422-4213231

\section*{Contents}
1
Chapter I Natural Resources ..... 1
1.1. Environmental Science ..... 3
1.2. Types of Resources
1.3. Role of an Individual in the Conservation of ..... 17 Natural Resources
Chapter II Ecosystem
2.1. Structure of an Ecosystem ..... 21 ..... 21
2.2. Functions of an Ecosystem ..... 23
2.3. Food Chain and Food Web ..... 26
2.4. Ecological Pyramids ..... 28
2.5. Types of Ecosystem ..... 29
Chapter III Bio - Diversity ..... 35
3.1. Meaning of Biodiversity ..... 35
3.2. Functions of Biodiversity ..... 36
3.3. Values of Biodiversity ..... 38
3.4. Biodiversity in India ..... 40
3.5. Threats to Biodiversity ..... 44
3.6. Endangered and Endemic Species of India ..... 46
3.7. Conservation of Biodiversity ..... 50
Chapter IV Environmental Pollution ..... 53
4.1. Air Pollution ..... 53
4.2. Water Pollution ..... 56
4.3. Soil Pollution
4.4. Noise Pollution60
4.5. Thermal Pollution ..... 6
4.6. Marine Pollution ..... 644.7. Role of an Individual in the Prevention of67
Pollution
4.8. Solid Waste Management68
4.9. Disaster Management ..... 79Social Issues and the Environment73
5.1. Water Conservation ..... 73
5.2. Climate Change ..... 77
5.3. Global Warming ..... 78
80
5.4. Acid Rain
5.5. Ozone Layer Depletion (Ozone Hole) ..... 82
5.6. Environmental Legislation and Laws ..... 83 ..... 885.7. Environmental Ethics5.8. Public Awareness90
Chapter V

\section*{ (ஆய்வ்்ட்டுாரத் ூதாச்ப்)}


\section*{}
 மற்றறற்




\title{
 \\ 
}

\section*{பன்னாட்டுக் கருத்தரங்க அமைப்புக் குழு}

\section*{புரவலர்}

உயர்திரு (திருமதி) சுமதி கிருஷ்ணபிரசாத் அவர்கள்
செயலர் மற்றும் அறங்காவலர் ஸீ ஜி.வி.ஜி. விசாலாட்சி மகளிர் கல்லூாி

ஆலோசனைக் குழுத்தலைவா் முனைவா் கி. புனிதவல்லி முதல்வர்

கருத்தரங்க குழுத்தலைவா் முனைவர் ப. தமிழ்ப்பாவை
தமிழ்த்துறைத் தலைவா் மற்றும் இணைப் பேராசிிியர் ஒருங்கிணைப்பாளர் முனைவர் வி. வசுமதி
இணைப்பேராசிாியர், தமிழ்த்துறை மலேசிய ஒருங்கிணைப்பாளா் முஞைவர் சு. குமரன் பேராசிரியர், இந்திய ஆய்வியல்துறை, மலாயாப் பல்கலைக்கழகம் மலேசியா.

கருத்தரங்க செயற்குழு உறுப்பினர்கள் முனைவா் வே. செடிப்பவுன்

உதவிப் பேராசிரியர் முனைவர் சே. மகேஸ்வாி

உதவிப் பேராசிரியர்
ந. சாரதாமணி
உதவிப் பேராசிாியா்

\section*{Eco-Waste Management \& Nanobiology}

\section*{EWMN - 2016}



Published by

One day National level Seminar on Eco - Waste management and Nanobiology

Copyright © 2016 by Bonfring
All rightsreserved. Authorized reprint of the edition published by Bonfring. No part of this book may be reproduced in any form without the written permission of the publisher.
Limits of Liability/Disclaimer of Warranty:The authors are solely responsible for the contents of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting or other professional services. If professional assistance is required, the services of a competent professional person should be soughe Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this was written and when it is read.
Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may not be aralable in electronic books.


ISBN 978-93-86176-36-3

\section*{Bonfring}
309. 2nd Floor, \(5^{\text {th }}\) Street Extension,

Gandhipuram, Coimbatore-641 012.
Tamilnadu, India.
E-mail: conference@bonfring.org
Website: www.bonfring.org

01 NPK Ratio of Paper W Title/Author Institutional Setup aste Degradation through Vermicomposting in an Page No, Amita Paul C. and Pawlin Vasanthi Joseph of Textile Dyeing Effluent
Rolhyalakshmi M. and Bal
04 Emission R.Thamilarasi and N.Thamizhselvi S. Somission Trend from Road Transport Sector of Kachchh District, Gujarat
S. Somasundaram \& Hanif A. Sumra

05 Magnifera indica Kernel Enhances the Growth and Biochemical Profiles in Oreochromis mossambicus Jansi.A and Dr.Rosaline Mary
06 Influence of Different Environmental Factors on the Decolourisation of Textiles Dye Methyl Orange by Aspergillus niger Alaguprathana M and Poonkothai M
07 Removal of Direct Red 81 from Aqueous Solutions by Adsorption using Sugarcane Bagasse
Poonkodi A, Alaguprathana M and Poonkothai M
08 Physico- Chemical Analyses of Water Sample and Enzyme Analyses of Garlic and Onion Incorporated Feed on Oreochromis mossambicus (Peters, 1852)
D. Vigneshpriya and N. krishnaveni

The Stimulatory Effect of Panchakavya on the Seed Germination of Abelmoschus esculentus and Solanum melongen

\section*{V. Ramya and S. Karpagam}

10 Effect of Vermicomposted Coirpith and Rhizobium on Protein and Carbohydrate content of Vigna mungo (L.) Var. Co 5
A. Vijayalakshmi, G. Sakthivigneswari and Shainabha M

Biosorption of Yellow R Reactive Dye from Aqueous Solution Using
Wheat Bran
Emima Priscilla V and Kalaiarasi \(K\)
Removal of Remazol Black5 Dye from Aqueous Solution Using Bauhenia
S.Umadevi and N. Renugadevi

13 Antibacterial Activity of Pure and Transition Metals (TM \(=\mathrm{Mn}, \mathrm{Co}\) )
ZnO Nanoparticles Synthesized by Chemical and Plasma Assisted Methods
M. Nirmala and A. Anukaliani

B8 S-ikumeth Swamy Sworvor
E-Wlatte Namagement - lssues and Impacts
天. Wirmimekuliai
E - Waste Namagement
S. Beulta Apnes

18 Green Approach to Corrosion Inhibition of Mild Steel using Gum Exudates of Arodirachata Indica in 2 M HCl Medium

Malanciahi Ne and Mallika)
19 Impact of Silver Nanopartibles in Nalarial Vector Control- A Review
D. Abirami N. XTheyolakshmi and R. Gomathi

Rexiew on Organic Farming -A Tool for Eco Waste Management
A. ripguoloksitmi, D. Abirrami and R. Gomothì

21 Biological Activity and Qualitative Analysis of Stigmasterol Glucoside C35h5806 Sitosterol Glucoside C35h6006 from Momordica Charantia Fruit
Dr C. A. Annapoorani and Dr. K. Manimegalai
Effect of Sublethal Concentration of Cuso 4 on Behavioural Responses of Cirrhynus Mrigala
Kalowathi R. Sarodhamani N and M. Manimegalai
Mushroom Cultivation for Solid Waste Management
R. Gomathi, N. Vyjayalakshmi and D. Abirami

Lignocellulose Wastemanagement by Termites Odontotermesbrunneus (Hagen) (Isoptera: Termitidae)

\section*{5. Kalaichelvi}

Nanoscience in the Environment and Agriculture: An Review
Dr.S. Umamaheswari and Dr. K. ShobanaEco-Waste Management by Vermitechnology120Dr. Rosaline Mary116

Mindscape

\section*{Volume 2 Issue 1 JANUARY - JUNE - 2017 (Half Yearly) \\ ISSN : 2321-502X}

\section*{Contents}

சிறுகதைகளில் பணி மகளிiா சித்திிிப்பு

The Three Links of Communication:
Enculturated Text \(\Rightarrow\) Active Listening \(\Rightarrow\) Effective Speaking

VOICE OF THE VOICELESS-from Shashi Despande's
That Long Silence"Words are often no more than Silence, and silence has its voices"

Occupational Stress and Stress Management among IT Professionals: An Empirical Study

Relation between Fuzzy adjacent Matrix and Diagonal Degree Matrix of Fuzzy Graph

Histomorphological and Physiological study of Ocelli in Adult Gryllodes sigillatus (Walker) in light and dark adaptation (ORTHOPTERA: GRYLLIDAE)

Dr.M.B.Anandhi
P.Rajeswari
A. Jyothi Cassandrsdevi

Dr.R.Radhika
Dr.Mallika Baskar
P. Jayalakshmi

Dr.S.Vimala
S.Kalaichelvi

\title{
Patron : Mrs. Sumathy Krishnaprasad Managing Trustee
}

\author{
Honorary Editor \\ Dr. J. Manjula
Former Principal/Director RDC \\ Editor \\ Dr. K. Punithavalli \\ Principal \\ Associate Editor \\ Mrs. R. Angel Joy
}

Assistant Editor
Dr. K. Shobana

\section*{Advisors}

Dr. E. Balaguruswamy Former Vice Chancellor, Anna University, Chennai.

Dr. Geetha Suresh Associate Professor, University of Louisville, USA.

Dr. M.S. Nagarajan
Former Professor of English, University of Madras, Chennai.

\section*{Editorial Board}

Dr. Malabika Deo
Professor and Head, School of Commerce, Pondicherry Central University, Puducherry.
Dr. Nagoor Gani
Associate Professor, Department of Mathematics, Jamal Mohamed College, Trichy.
Dr. Balasubramaniam (Retd)
Associate Professor, Dept. Of History, CBM College, Kovai Pudur, Coimbatore.
Dr. V. Dhanalakshmi
Head and Associate Professor, Department of Zoology, N.G.M. College, Pollachi.
Dr. Chandra Krishnan
Assistant Professor in Tamil, Government Arts College, Coimbatore

\section*{Contact Address}

Sri G.V.G. Visalakshi College for Women (Autonomous) Udumalpet - 642128
Telephone : 04252223019
Fax : 04252233111
E.mail : editormindscape@gmail.com

Web
: www.gvgvc.ac.in
Subscription Rate
Institution : Rs. 1,000
Individual : Rs. 300
Student : Rs. 200
Bank draft should be drawn in favour of "The Principal, Sri G.V.G. Visalakshi College Research Journal" payable in Udumalpet.

\section*{GVG MINDSCAPE}
(A Multidisciplinary, Biannual, Research Journal)

\section*{Volume 2}

\section*{Issue 1}

Jan - June 2017

\section*{Contents}
Page No
சிறுகதைகளில் பணி மகளிi சித்திரிப்பு Dr.M.B.Anandhi ..... 5
The Three Links of Communication:
Enculturated Text \(\Rightarrow\) Active Listening \(\Rightarrow\) Effective Speaking P.Rajeswari ..... 18
VOICE OF THE VOICELESS-from Shashi Despande's
That Long Silence"Words are often no more than
A. Jyothi Cassandrsdevi ..... 24
Silence, and silence has its voices"
Occupational Stress and Stress Management among IT Professionals: An Empirical StudyRelation between Fuzzy adjacent Matrix andDiagonal Degree Matrix of Fuzzy GraphHistomorphological and Physiological study of Ocelli inAdult Gryllodes sigillatus (Walker) in light anddark adaptation (ORTHOPTERA: GRYLLIDAE)

\section*{UGC Sponsored National Level Conference on}

\section*{Advanced Materials}
\(18^{\text {th }}\) \& \(19^{\text {th }}\) February- 2015

\section*{Department of Physics}

Sri G.V.G Visalakshi College for Women
Technically Co-Spenso d (Autonomous)

UGC Sponsored National Level Conference on ADVANCED MATERIALS (NCAM-2015)

\section*{Copyright © 2015 by Bonfring}

All rights reserved. Authorized reprint of the edition published by Bonfring. No part of this book may be reproduced in any form without the written permission of the publisher.

Limits of Liability/Disclaimer of Warranty: The authors are solely responsible for the contents of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this was written and when it is read.

Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.


ISBN 978-93-84743-38-3

\section*{Bonfring}

309, \(2^{\text {nd }}\) Floor, \(5^{\text {ch }}\) Street Extension,
Gandhipuram, Coimbatore-641 012.
Tamilnadu, India.
E-mail: info@bonfring.org
Website: www.bonfring.org

\section*{Contents}

Paper ID Presentation

AM OP01

AM OP02

AM PP03

AM PP04

AM PP05

AM OP06

AM OP07

AM OP08

AM PP09

AM OP10

AM OP11

AM PP12 Poster

AM OP13

Title/Author
Green Synthesis of Hydroxyapatite Nano-Corals
I. Reeta Mary, A. Yuvarani, S. Sonia, D. Mangalara, C. Viswanathan and N. Ponpandian

Nanostructure Al doped \(\mathrm{SnO}_{2}\) Thin Films grown onto Glass Substrate by Spray Pyrolysis Technique K. Pakiyaraj, V. Tamilnayagam, I. Amalraj Thermal Analysis on \(\mathrm{CuIn}_{(1-x)} \mathrm{Al}_{(x)} \mathrm{Se}_{2}\) Thin Films B. Kavitha and M. Dhanam

Surface Acoustic Wave Devices and Sensors-A Review on Modeling by Transmission-Matrix
P. PavithraKumar, M. Masilamani, T. Venkatesan, G. Pandiyarajan and
 Haresh M.Pandya

Poster Structural and Optical Properties of Undoped and Transition metals ( \(\mathrm{TM}=\mathrm{Mn}, \mathrm{Co}\) ) Doped ZnO Nanocrystalline Thin Films M. Nirmala and A. Anukaliani



\section*{Environmental Science}

Copyright © 2015 by Bonfring
All rights reserved. Authorized reprint of the edition published by Bonfring. No part of this book may be reproduced in any form without the written permission of the publisher

Limits of Liability/Disclaimer of Warranty: The authors are solely responsible for the contents of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this was written and when it is read.

Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.


\section*{ISBN 978-93-84743-91-8}

\section*{Bonfring}

309, \(2^{\text {nd }}\) Floor, \(5^{\text {th }}\) Street Extension,
Gandhipuram, Coimbatore-641 012.
Tamilnadu, India.
E-mail: info@bonfring.org
Website: www.bonfring.org
Phone: 0422-3928700
Chapter I Natural Resources
1.1. Environmental Science ..... 1
1.2. Types of Resources ..... 1
1.3. Role of an Individual in the Conservation of ..... 3 Natural Resources ..... 17
Chapter II Ecosystem ..... 20
2.1. Structure of an Ecosystem ..... 21
2.2. Functions of an Ecosystem ..... 23
2.3. Food Chain and Food Web ..... 26
2.4. Ecological Pyramids ..... 28
2.5. Types of Ecosystem ..... 29
Chapter III Bio - Diversity ..... 35
3.1. Meaning of Biodiversity ..... 35
3.2. Functions of Biodiversity ..... 36
3.3. Values of Biodiversity ..... 38
3.4. Biodiversity in India ..... 40
44
3.5. Threats to Biodiversity3.6. Endangered and Endemic Species of India46
503.7. Conservation of Biodiversity53
Chapter IV Environmental Pollution ..... 53
4.1. Air Pollution ..... 564.2. Water Pollution
4.3. Soil Pollution
4.4. Noise Pollution ..... 58
4.5. Thermal Pollution ..... 60
4.6. Marine Pollution ..... 62
4.7. Role of an Individual in the Prevention of Pollution ..... 67
4.8. Solid Waste Management
4.9. Disaster Management ..... 6870
Chapter V Social Issues and the Environment
5.1. Water Conservation
5.2. Climate Change ..... 73
5.3. Global Warming ..... 77 ..... 78
5.4. Acid Rain ..... 80
5.5. Ozone Layer Depletion (Ozone Hole) ..... 82
5.6. Environmental Legislation and Laws ..... 83
5.7. Environmental Ethics ..... 88
5.8. Public Awareness ..... 90

\title{
Value Educaiton
}


\section*{Co=OP}

Sri G.V.G Visalakshi College for Women (Aurtonomous)
Re-accredifed of A Grade by INAAC An ISO 900 L 22008 Gertiffed Insfitution UdUmalpef - \(6421288_{0}\) Tamilnadv


\section*{Value Education}

\section*{Copyright © 2015 by Bonfring}

All rights reserved. Authorized reprint of the edition published by Bonfring. No part of this book may be reproduced in any form without the written permission of the publisher.

Limits of Liability/Disclaimer of Warranty: The authors are solely responsible for the contents of the paper in this volume. The publishers or editors do not take any responsibility for the same in any manner. Errors, if any, are purely unintentional and readers are required to communicate such errors to the editors or publishers to avoid discrepancies in future. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Further, reader should be aware that internet website listed in this work may have changed or disappeared between when this was written and when it is read.

Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may not be available in electronic books.


ISBN 978-93-85477-42-3

\section*{Bonfring}

309, \(2^{\text {nd }}\) Floor, \(5^{\text {th }}\) Street Extension,
Gandhipuram, Coimbatore-641 012.
Tamilnadu, India.
E-mail: info@bonfring.org
Website: www.bonfring.org
Phone: 0422-3928700

\section*{Contents}
Unit I Value Education ..... 1
1.1. Basic Characteristics of Values ..... 1
1.2. Nature of Values ..... 1
1.3. Types of Values ..... 2
1.4. Value Education ..... 4
1.5. Components of Value Education ..... 5
1.6. Purpose and Significance of Values in the Present World ..... 8
1.7. Concept of Human Values ..... 10
Unit II Family Values ..... 12
2.1. Family ..... 12
2.2. Brotherhood ..... 13
2.3. Pride of Womanhood ..... 15
2.4. Duties and Responsibilities ..... 16
2.5. Respect to Elders ..... 17
2.6. Flexibility ..... 19
2.7. Joint Family ..... 21
2.8. Dependability ..... 23
2.9. Accomplishment ..... 25
272.10. Family Ethics
31
Unit III Social Values ..... 31
3.1. Society ..... 31
3.2. Social Sense and Commitment ..... 34
3.3. Social Awareness ..... 37
3.4. Life Skills
Unit IV National Values ..... 45
4.1. Meaning of Citizenship ..... 45
4.2. Indian Constitution ..... 47
4.3. Fundamental Rights and Duties ..... 51
4.4. Adult Franchise ..... 55
4.5. Unity in Diversity ..... 56
4.6. National Integration ..... 60
Unit V 5.1. Yoga and Meditation for Healthy Life ..... 64
5.2. Practice of Yoga in Daily Life ..... 65
5.3. Yogasanas ..... 68
5.4. The Role of Yoga in Daily Life ..... 86

\title{
Insight of IPR: Concepts and Issues
}

Dr.R. Radhika
Dr.S. Sundari Bai
Dr. Mallika Baskar

\section*{Insight of IPR: Concepts and Issues}

\section*{Copyright © 2016 by Bonfring}

All rights reserved. Authorized reprint of the edition published by Bonfring. No part of biob boch orghe publisher.
 publishers to avoid discrepancies in future. disappeared between when this was written and when it is read.

Bonfring also publishes its books in a variety of electronic formats. Some content that appears in print may veat be available in electronic books.


\section*{ISBN 978-93-86 I76-42-4}

\section*{Editors}

\section*{Dr.R. Radhika}

\section*{Dr.S. Sundari Bai}

\section*{Dr. Mallika Baskar}

\section*{Bonfring}

309, \(2^{\text {nd }}\) Floor, \(5^{\text {th }}\) Street Extension, Gandhipuram,
Coimbatore-641 012.
Tamilnadu, India.
E-mail: info@bonfring.org
Website: www.bonfring.org
Phone: 04224213231

The Editor of the book Du.R.Radhika, M.A, M.Phil, Ph.D a recipient of the best paper awardee inmeruted by Association of Economist of Tamilnadu for her research work in the year 2011. She here maneread herself in the Mathematical Economics, Operations Research. Research Mcthodology, Feonemethics and Human Resource Management. She has guided many projects at UGand PG level in the figdof Induatrol Economics and Human Resources, She has been guiding M.Phil and PhD research scholars she thes served in varied capacities such as Editor-In -Charge of College Magazine, Convenor of Fine Artsclith NSS Co-ordinator and a Member in IQAC.She has been the backbone for organizing National level and International level workshops and seminars which will give some solutions to the beneffic the sordyy Hence the editor has taken her efforts to establish IPR contributions into a book She has been a University Nominee for the Ph.D Doctoral Committee conducted by Erode Arts College, Erode She has been a resource person for Refresher Course conducted by Academic Staif College in Bhereither University.

Associate Professor of Economics Dr.S.Sundaribai is a recipient of best achiever award for contheting Government Executed Programs. She has nearly 29 years of teaching experience and mastered hemelf in the area of Industrial Economics, Investment Management, Research Methodology and Mamgemem of Small Business. She has been a NSS Advisory committee member and member of the Inspection Committee for establishment of new course M.A Economics in Bharathiar university. She has been instrumental in conducting Social Welfare Programs in association with Leonard Cheshire Homes Livelihood Resource Centre, Coimbatore. She has been awarded as a Best Co-ordinator award in the Nehru Yuva Kendra for execution of cultural events in fine arts at Government level. Currently she is a co-ordinator of Department of Women Studies, Organizing qualitative programs for selfohelp groups, Women Entrepreneurs and create employment opportunities for disabled. She is a member of Association of Economists of Tamilnadu and also member of Indian Economic Association.


Dr: Mallika Baskar is a recipient of Sarvalingam Memorial Awardee as a rank holder in MA. Econom' is. Her academic experience include both teaching and guiding Industrial projects for both UG and PGlevel for the courses B.A. Co-operation, M.Com C.A., M.Com I.B nearly 12 years. Her areas of interest were in the Management Studies especially Managerial Economics, Strategic Management, Principles of Management, International Business Environment, Global Financial Management which has been deilt at UG level and PG level Courses. She is a member of Associations of Economists of Tamilnatu and Indian economic Association. She worked as District chairperson for the concept of Consumer Rishts awareness for the public associated with the Lions Club of Coimbatore central 324 -B1. She is currently working as Assistant Professor under the UGC Innovative Programme B.A. Economics with logistics and Freight Management dealing both academically and also carrying out Projects for specializing the students in the field of Logistics and Supply Chain Management. She has published many articles in the National level and at international level Journal and Books. She has been as a rapportuer for the sessions in the Institute of Management. She has been a resource person for the faculty development Programme in Entrepreneurship development cell Organised in PSGR Krishnammal College for Women


\section*{Bonfring,}

309, \(5^{\text {th }}\) Street Extension, Gandhipuram, Coimbatore - 641 012, Tamilnadu, India. E-mail: info@bonfring.org Website: www.bonfring.org
```

