



**ARIGNAR ANNA GOVERNMENT ARTS COLLEGE  
NAMAKKAL – 637 002**

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**CRITERION III**

**3. Research, Innovations and Extension**

**3.3 RESEARCH PUBLICATIONS AND AWARDS**

**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**2020-2021**



# ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL – 637 002

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## 3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years (2020-2021)

### Screenshots of Research Article

#### Oscillation and Asymptotic Properties of Differential Equations of Third-Order

by R. Elayaraja <sup>1,†</sup> V. Ganesan <sup>2,†</sup> Omar Bazighifan <sup>3,4,†</sup> and Clemente Cesarano <sup>3,†</sup>

- <sup>1</sup> Department of Mathematics, Annai Mathammal Sheela Engineering College, Namakkal 637013, Tamil Nadu, India
  - <sup>2</sup> PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal 637002, Tamil Nadu, India
  - <sup>3</sup> Section of Mathematics, International Telematic University Uninettuno, Corso Vittorio Emanuele II, 39, 00186 Rome, Italy
  - <sup>4</sup> Department of Mathematics, Faculty of Science, Hadhramout University, Hadhramout 50512, Yemen
- \* Author to whom correspondence should be addressed.  
† These authors contributed equally to this work.

*Axioms* **2021**, *10*(3), 192; <https://doi.org/10.3390/axioms10030192>

Received: 8 June 2021 / Revised: 5 August 2021 / Accepted: 14 August 2021 / Published: 18 August 2021

<https://doi.org/10.3390/axioms10030192>

#### Qualitative Behavior of Unbounded Solutions of Neutral Differential Equations of Third-Order

by M. Sathish Kumar <sup>1,†</sup> R. Elayaraja <sup>2,†</sup> V. Ganesan <sup>3,†</sup> Omar Bazighifan <sup>4,5,†</sup> Khalifa Al-Shaqsi <sup>6,†</sup> and Kamsing Nonlaopon <sup>7,†</sup>

- <sup>1</sup> Department of Mathematics, Paavai Engineering College (Autonomous), Namakkal 637 018, Tamil Nadu, India
  - <sup>2</sup> Department of Mathematics, Annai Mathammal Sheela Engineering College, Namakkal 637 013, Tamil Nadu, India
  - <sup>3</sup> PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal 637 002, Tamil Nadu, India
  - <sup>4</sup> Section of Mathematics, International Telematic University Uninettuno, Corso Vittorio Emanuele II, 39, 00186 Rome, Italy
  - <sup>5</sup> Department of Mathematics, Faculty of Science, Hadhramout University, Hadhramout 50512, Yemen
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  - <sup>7</sup> Department of Mathematics, Khon Kaen University, Khon Kaen 40002, Thailand
- \* Author to whom correspondence should be addressed.  
† These authors contributed equally to this work.

*Fractal Fract.* **2021**, *5*(3), 95; <https://doi.org/10.3390/fractalfract5030095>

Received: 8 July 2021 / Revised: 4 August 2021 / Accepted: 6 August 2021 / Published: 12 August 2021

<https://doi.org/10.3390/fractalfract5030095>



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## 3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years (2020-2021)

### Screenshots of Research Article

ICMMCMSE 2020  
Journal of Physics: Conference Series

IOP Publishing  
1850 (2021) 012091 doi:10.1088/1742-6596/1850/1/012091

**Oscillatory behavior of solutions of certain third-order neutral differential equation with continuously distributed delay**

M. Sathish Kumar<sup>1</sup> and V. Ganesan<sup>2</sup>

<sup>1</sup> Department of Mathematics, Paavai Engineering College, Namakkal-637018, Tamil Nadu, India.  
<sup>2</sup> PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal - 637002, Tamil Nadu, India.

Email: [mksjv@gmail.com](mailto:mksjv@gmail.com)

<https://iopscience.iop.org/article/10.1088/1742-6596/1850/1/012091>

ICMMCMSE 2020  
Journal of Physics: Conference Series

IOP Publishing  
1850 (2021) 012054 doi:10.1088/1742-6596/1850/1/012054

**Nonexistence of Kneser solution for third order nonlinear neutral delay differential equations**

R. Elayaraja<sup>1</sup>, M. Sathish Kumar<sup>2</sup> and V. Ganesan<sup>3</sup>

<sup>1</sup> Department of Mathematics, Annai Mathammal Sheela Engineering College, Namakkal 637 013, Tamil Nadu, India.  
<sup>2</sup> Department of Mathematics, Paavai Engineering College (Autonomous), Pachal, Namakkal- 637018, Tamil Nadu, India.  
<sup>3</sup> PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal - 637002, Tamil Nadu, India.

E-mail: [elaya.ams@gmail.com](mailto:elaya.ams@gmail.com)

<https://iopscience.iop.org/article/10.1088/1742-6596/1850/1/012054>



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### Screenshots of Research Article

Jiang and Li *Journal of Inequalities and Applications* 2014, 2014:512  
<http://www.journalofinequalitiesandapplications.com/content/2014/1/512>

**Journal of Inequalities and Applications**  
a SpringerOpen Journal

**RESEARCH** **Open Access**


## Asymptotic behavior of a third-order nonlinear neutral delay differential equation

Ying Jiang<sup>1</sup> and Tongxing Li<sup>2,3\*</sup>

\*Correspondence: litongx2007@163.com  
<sup>2</sup>LinDa Institute of Shandong Provincial Key Laboratory of Network Based Intelligent Computing, Linyi University, Linyi, Shandong 276005, P.R. China  
<sup>3</sup>School of Informatics, Linyi University, Linyi, Shandong 276005, P.R. China  
Full list of author information is available at the end of the article

**Abstract**  
The objective of this paper is to study asymptotic nature of a class of third-order neutral delay differential equations. By using a generalized Riccati substitution and the integral averaging technique, a new Philos-type criterion is obtained which ensures that every solution of the studied equation is either oscillatory or converges to zero. An illustrative example is included.  
**MSC:** 34K11  
**Keywords:** asymptotic behavior; third-order neutral differential equation; oscillation; generalized Riccati substitution

[https://www.researchgate.net/publication/345311914\\_ASYMPTOTIC\\_PROPERTIES\\_OF\\_THIRD-ORDER\\_NONLINEAR\\_NEUTRAL\\_DIFFERENTIAL\\_EQUATIONS\\_WITH\\_VARIABLE\\_DELAY\\_ARGUMENTS](https://www.researchgate.net/publication/345311914_ASYMPTOTIC_PROPERTIES_OF_THIRD-ORDER_NONLINEAR_NEUTRAL_DIFFERENTIAL_EQUATIONS_WITH_VARIABLE_DELAY_ARGUMENTS)

 **AIMS Mathematics**

<http://www.aimspress.com/journal/Math>

AIMS Mathematics, 5(4): 3851–3874.  
DOI:10.3934/math.2020250  
Received: 17 October 2019  
Accepted: 17 April 2020  
Published: 22 April 2020

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**Research article**

### Asymptotic behavior of solutions of third-order neutral differential equations with discrete and distributed delay

**M. Sathish Kumar<sup>1,\*</sup> and V. Ganesan<sup>2</sup>**

<sup>1</sup> Department of Mathematics, Paavai Engineering College (Autonomous), Namakkal-637 018, Tamil Nadu, India  
<sup>2</sup> PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal-637 002, Tamil Nadu, India

\* **Correspondence:** Email: msksjv@gmail.com.

**Abstract:** By refining the standard Riccati substitution technique, integral averaging technique and comparison principle, we obtain new oscillation and asymptotic behavior for a class of third-order neutral differential equations with discrete and distributed delay. These criteria dealing with some cases have not been covered by the existing results in the literature. We present many sufficient conditions and related examples in order to illustrate the main results.

**Keywords:** oscillation; third order; delay; neutral; differential equation  
**Mathematics Subject Classification:** 34C10, 34C15, 34K11

<https://www.aimspress.com/article/id/5019>



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#### Screenshots of Research Article

ICMMCMSE 2020 IOP Publishing  
Journal of Physics: Conference Series 1850 (2021) 012085 doi:10.1088/1742-6596/1850/1/012085


**Oscillation Results for Second-Order Neutral Functional Differential Equations**

V. G. Priyadharshini<sup>1</sup>, T. J. Raghupathi<sup>1</sup>

<sup>1</sup>PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal - 637002, Tamil Nadu, India.

E-Mail: [tjrmaths@gmail.com](mailto:tjrmaths@gmail.com)

<https://iopscience.iop.org/article/10.1088/1742-6596/1850/1/012085/meta>

 Neutrosophic Sets and Systems, Vol. 39, 2021  
University of New Mexico

**Neutrosophic Pre- $\alpha$ , Semi-  $\alpha$  & Pre-  $\beta$  Irresolute Functions**

T.Rajesh Kannan<sup>1</sup>, S. Chandrasekar<sup>2\*</sup>

<sup>1,2</sup>PG and Research Department of Mathematics, Aringar Anna Government Arts College, Namakkal(DT), Tamil Nadu, India.  
E-mail: <sup>1</sup>rajeshkannan03@yahoo.co.in, <sup>2</sup>chandrumat.chandrumat@gmail.com  
\* Correspondence: chandrumat@gmail.com;

**Abstract:** Smarandache introduced and developed interesting concepts Neutrosophic set from the Intuitionistic fuzzy sets. A.A. Salama introduced NTs and continuity. Aim of this paper is we introduce and study the concepts Neutrosophic Pre- $\alpha$ , Semi-  $\alpha$  & Pre-  $\beta$  Irresolute Functions and its Properties are discussed details.

<http://fs.unm.edu/NSS/NeutrosophicPreSemi6.pdf>



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#### Screenshots of Research Article

The screenshot shows a Springer Link article page. At the top, there is a Springer Link logo. Below it, a yellow banner features a book cover for 'Mathematical Analysis and Computing' and the text 'International Conference on Mathematical Analysis and Computing' followed by '↳ ICMAC 2019: **Mathematical Analysis and Computing** pp 147–159 | Cite as'. The main title of the article is 'Neutrosophic  $G^*$ -Closed Sets and Its Applications' by A. Atkinwestley & S. Chandrasekar. It is identified as a 'Conference paper' with a 'First Online' date of '06 May 2021' and '251 Accesses'. The article is part of the 'Springer Proceedings in Mathematics & Statistics' book series (PROMS, volume 344).

[https://link.springer.com/chapter/10.1007/978-981-33-4646-8\\_13](https://link.springer.com/chapter/10.1007/978-981-33-4646-8_13)

The screenshot shows a journal article page from 'Nonlinear Studies'. The journal is indexed in Scopus. The article title is 'A Study of solutions of abstract fractional integro differential equations' by Kulandhivel Karthikeyan, D Senthil Raja, and P Sundararajan. The authors' affiliations are listed as 'Department of Mathematics, \& Centre for Research and Development, \ KPR Institute of Engineering and Technology'. The article was published on '2021-05-22'. A 'PDF (USD 20)' button is visible.

<http://www.nonlinearstudies.com/index.php/nonlinear/article/view/2353>



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#### Screenshots of Research Article

*Turkish Journal of Computer and Mathematics Education* Vol.12 No. 1S (2021), 338- 342

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*Research Article*

**Neutrosophic  $\beta$ -Baire Spaces**

<sup>1</sup>R.Vijayalakshmi, <sup>2</sup>M.Simaringa

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**Article History:** Received: 11 January 2021; Accepted: 27 February 2021; Published online: 5 April 2021

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**Abstract**— in this paper the concept of neutrosophic  $\beta$ -Baire spaces are introduced and characterization of neutrosophic  $\beta$ -Baire spaces are studied. Examples are given to illustrate the concepts introduced in this paper.

**Keywords:** Neutrosophic  $\beta$ -open set, Neutrosophic  $\beta$ -dense set, Neutrosophic  $\beta$ -nowhere dense set, Neutrosophic  $\beta$ -first category, Neutrosophic  $\beta$ -Baire spaces.

<https://turcomat.org/index.php/turkbilmat/article/view/1839>

 *Neutrosophic Sets and Systems, Vol. 39, 2021*  
University of New Mexico 

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**Neutrosophic Pre- $\alpha$ , Semi- $\alpha$  & Pre- $\beta$  Irresolute Functions**

T.Rajesh Kannan<sup>1</sup>, S. Chandrasekar<sup>2\*</sup>

<sup>1</sup>PG and Research Department of Mathematics, Arignar Anna Government Arts College, Namakkal(DT), Tamil Nadu, India.  
E-mail: <sup>1</sup>rajeshkannan03@yahoo.co.in, <sup>2</sup>chandrumat\_chandrumat@gmail.com  
\* Correspondence: chandrumat@gmail.com;

**Abstract:** Smarandache introduced and developed interesting concepts Neutrosophic set from the Intuitionistic fuzzy sets. A.A. Salama introduced NTSs and continuity. Aim of this paper is we introduce and study the concepts Neutrosophic Pre- $\alpha$ , Semi- $\alpha$  & Pre- $\beta$  Irresolute Functions and its Properties are discussed details.

**Keywords:** Neutrosophic Irresolute Functions, Neutrosophic Pre- $\alpha$ , Neutrosophic Semi- $\alpha$ , Neutrosophic Pre- $\beta$  Irresolute Functions.

<http://fs.unm.edu/NSS/NeutrosophicPreSemi6.pdf>





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### Screenshots of Research Article

Science and Technology Journal Vol. 8 Issue 1 January 2020 ISSN: 2321-3388

### FTIR Analysis of Conformational Changes in the Secondary Structure of Ovalbumin: Effect of pH and Cosolvent Sugar-free Natura

P. Agalya<sup>1</sup> and V. Velusamy<sup>2\*</sup>  
<sup>1,2</sup>Post Graduate & Research Department of Physics,  
Arignar Anna Govt. Arts College, Namakkal-637002, Tamilnadu, India  
E-mail: \*veluphysics@yahoo.com

**Abstract**— $\alpha$ -helix,  $\beta$ -sheet,  $\beta$ -turns, and random coils are the three-dimensional local segments that constitute a protein secondary structure. Molecular vibrations of proteins are sensitive to structural organizations of peptide chains hence Fourier Transform Infrared (FTIR) spectroscopy is one of the recognized techniques for the identification of protein secondary structures. However, the lower frequency region of FTIR especially the amide VI bands (in the region 590-490cm<sup>-1</sup>) is little studied for proteins. Further, the effect of sugar-free natura on ovalbumin stability is not yet studied to our knowledge. The present study examines the conformational changes in the secondary structure of ovalbumin (OVA) protein under the influence of pH variations (2, 5, 7, 9, and 12) and also cosolvent sugar-free Natura (SPN) inclusion. From the primary absorption spectra of the amide VI bands, the second derivative analysis is furnished to quantify the secondary structural elements of protein thereby conformational changes are analyzed. From obtained results, it is found that conformational changes occur between two major secondary structures of  $\alpha$ -helix and  $\beta$ -sheet of OVA due to variation of pH and inclusion of cosolvent. Also, the results confirm that the denaturation of OVA in the presence of SPN irrespective of pH.

**Keywords:** Ovalbumin, Sugar-free Natura, Sucralose, secondary structure, FTIR, Amide VI bands.

<https://drive.google.com/file/d/1-dAOwnA68Es-7IzV58Oa2VZDz6kBgUXg/view>

<https://mzu.edu.in/science-technology-journal/>

 **Fuel**   
Volume 263, 1 March 2020, 116753

Full Length Article

### Biodiesel as an additive for diesel-ethanol (diesohol) blend: physical-chemical parameters and origin of the fuels' miscibility

Ivan Pires de Oliveira<sup>a</sup>, Anderson Rodrigues Lima Caires<sup>b</sup>, Karthick Baskar<sup>c</sup>, Sasikumar Ponnusamy<sup>d</sup>, Palaniappan Lakshmanan<sup>e</sup>, Velusamy Veerappan<sup>f</sup>

<sup>a</sup> Department of Pharmacology, Institute of Biomedical Sciences, University of São Paulo, São Paulo, SP, Brazil  
<sup>b</sup> Optics and Photonics Group, Institute of Physics, Federal University of Mato Grosso do Sul, Campo Grande, MS, Brazil  
<sup>c</sup> Department of Physics, Selvam Arts & Science College, Namakkal 637003, TN, India  
<sup>d</sup> Department of Physics, Periyar University – PG Extension Centre, Dharmapuri 636704, TN, India  
<sup>e</sup> Department of Physics, Annamalai University, Annamalainagar 608002, TN, India  
<sup>f</sup> PG & Research Department of Physics, Arignar Anna Govt. Arts College, Namakkal 637002, TN, India

Received 16 July 2019, Revised 22 October 2019, Accepted 25 November 2019, Available online 5 December 2019, Version of Record 30 December 2019.

<https://www.sciencedirect.com/journal/fuel>

<https://www.sciencedirect.com/science/article/abs/pii/S0016236119321076>





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#### Screenshots of Research Article

**Food Hydrocolloids**  
Volume 125, April 2022, 107386

### Effect of pH and cosolvent sucralose on the solvation profile of ovalbumin: Ultrasonic and molecular simulation studies

P. Agalya<sup>a</sup>, I. Pires de Oliveira<sup>b,c</sup>, C.H. Lescano<sup>d</sup>, A.R.L. Caires<sup>e</sup>, V. Velusamy<sup>a</sup>

- <sup>a</sup> PG & Research Department of Physics, Arignar Anna Govt. Arts College, Namakkal, TN, 637002, India
- <sup>b</sup> Department of Pharmacology, Institute of Biomedical Sciences, University of São Paulo, Brazil
- <sup>c</sup> Institute of Agricultural Sciences, Federal University of Minas Gerais, Montes Claros, MG, 39400-149, Brazil
- <sup>d</sup> Department of Pharmacology, School of Medical Sciences, University of Campinas, Campinas, SP, Brazil
- <sup>e</sup> Institute of Physics, Federal University of MatoGrosso do Sul, CP 549, 79070-900, Campo Grande, MS, Brazil

Received 8 July 2021, Revised 17 November 2021, Accepted 19 November 2021, Available online 20 November 2021, Version of Record 9 January 2022.

<https://drive.google.com/file/d/1-dAOwnA68Es-7lzV58Oa2VZDz6kBgUXg/view>  
<https://mzu.edu.in/science-technology-journal/>

**Wutan Huatan Jisuan Jishu**  
(ISSN:1001-1749) UGC CARE GROUP-II JOURNAL Email id: submitwhjj@gmail.com

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<http://www.wthtjsjs.cn/gallery/6-whjj-july-5531.pdf>



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#### Screenshots of Research Article

The screenshot shows the Semantic Scholar interface. At the top, it says "SEMANTIC SCHOLAR" and "Search 211,270,336 papers from all fields of science". There are buttons for "Search", "Sign In", and "Create Free Account". The article title is "In vitro Antioxidant Activities of Four Marine Green Algae Species of a Genus Enteromorpha from Mandapam Coast, Tamil Nadu, India". The authors are "Dr. G. Subramanian, P. Sona, +2 authors, M. Manivannan". It was published in 2020. The abstract text is: "The present study focused on determining the antioxidant properties of the Enteromorpha compressa (Linnaeus) Nees, Enteromorpha flexuosa (Wulfen) J. Agardh, Enteromorpha intestinalis (Linnaeus) Nees, and Enteromorpha prolifera (Müller) J. Agardh, ethanol crude extracts, from the green algae. The evaluation of antioxidant properties was estimated and determined by using ten standard methods namely 1,1-diphenyl-2-picrylhydrazyl (DPPH), 2,2'-azino bis 3ethylbenzthiazoline-6-sulphonic acid (ABTS... Expand".

<https://www.semanticscholar.org/paper/In-vitro-Antioxidant-Activities-of-Four-Marine-of-a-Subramanian-Sona/dd416104057d96d7672ebe7e6bc031ffc66909f1>

The screenshot shows the cover of the "ASIAN JOURNAL OF PHARMACEUTICAL AND CLINICAL RESEARCH". The journal is published by "INNOVARE ACADEMIC SCIENCES" with the tagline "Knowledge to Innovation". Contact information: "Online • 2455-3891", "Print • 0974-2441". The article title is "ISOLATION OF ACTINOMYCETES FROM THE SEDIMENTS OF PICHAVARAM MANGROVE FOREST, SOUTH INDIA AND ANALYSING THEIR ANTIBACTERIAL EFFICACY". The authors are "AARTHI M<sup>1,2</sup>, KAMALANATHAN D<sup>2</sup>, BALAKRISHNAN V<sup>1,3\*</sup>". Footnote: "<sup>1</sup>Research and Development Centre, Bharathiar University, Coimbatore, Tamil Nadu, India. <sup>2</sup>Department of Biotechnology, K. S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, Tamil Nadu, India. <sup>3</sup>Department of Botany, Arignar Anna Government Arts College, Namakkal, Tamil Nadu, India. Email: palanivalu@gmail.com". Received: 24 December 2019, Revised and Accepted: 20 February 2020. The word "ABSTRACT" is visible at the bottom left.

<https://innovareacademics.in/journals/index.php/ajpcr/article/view/36702/22193>



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#### Screenshots of Research Article

**Journal on New Biological Reports**  
JNBR 9(2) 223 – 227 (2020)

ISSN 2319 – 1104 (Online)



Published by  
[www.researchtrend.net](http://www.researchtrend.net)

**HPLC analysis of *Gloriosa superba* L., from five different accessions of Tamil Nadu state, India**


J.A.Paul Jasmine <sup>1</sup>, T. Sundari, <sup>2</sup> V. Balakrishnan <sup>1,3\*</sup>

<sup>1</sup>Research and Development Center, Bharathiar University, Coimbatore-641 046  
Tamil Nadu, India.  
<sup>2</sup> Department of Chemistry, K.S.R.College of Engineering, Tiruchengode-637 215  
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<sup>3</sup> PG and Research Department of Botany, Arignar Anna Government Arts  
College, Sanyasikaradu, Namakkal – 637 002, Tamil Nadu, India

Corresponding author: [palanivbalu@gmail.com](mailto:palanivbalu@gmail.com)

<https://www.researchtrend.net/jnbr/pdf/HPLC%20analysis%20of%20Gloriosa%20superba%20L%20from%20five%20a4.pdf>

*Plant Archives* Volume 20 No. 2, 2020 pp. 5303-5309 e-ISSN:2581-6063 (online), ISSN:0972-5210



**DETERMINATION OF ANTIOXIDANT ACTIVITY IN INDIGENOUSLY USED FOLK MEDICINAL PLANTS**

**Muthiah Kalusalingam and Veluchamy Balakrishnan\***

PG and Research Department of Botany, Arignar Anna Government Arts College, Namakkal-637 002 (T.N.) India

**Abstract**

*Pavetta zeylanica* (Hook.) and *Tarenna asiatica* (L.) are used by the indigenous Paliyar tribal for various disorders such as stomach pain, oral ulcer and skin problems. This study was conducted to evaluate the antioxidant potential of the above mentioned two plants with DPPH and FRAP assay. Extracts were prepared from the leaves of plants using three different

[http://www.plantarchives.org/20-2/5303-5309%20\(6289\).pdf](http://www.plantarchives.org/20-2/5303-5309%20(6289).pdf)



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#### Screenshots of Research Article

The screenshot shows the homepage of the journal 'CURRENT BOTANY'. The article title is 'Phytochemical analysis of Gloriosa superba L. Using GC-MS from five different ecotypes of Tamil Nadu State, India'. The authors listed are J.A. Paul Jasmine, T. Sundari, and V. Balakrishnan. The article was published on 08-02-2020. The DOI is https://doi.org/10.25081/cb.2020.v11.6048. The journal's ISSN is 2220-4822 and its CODEN is CBUOA3. It is approved by UGC-CARE and is listed as a Most Cited Article.

<https://updatepublishing.com/journal/index.php/cb/article/view/6048>

The screenshot shows the article page for 'Asian Journal of Pharmacy and Pharmacology 2020; 6(5): 337-343'. The article is titled 'Phytochemical, antimicrobial and antioxidant studies of *Cocos nucifera* (L.) flowers'. The authors are Chinnasamy Chitra Vadivu<sup>1\*</sup>, Mallipalayam Palanisamy Ambika Devi<sup>1</sup>, Veluchamy Balakrishnan<sup>2</sup>, and Thirumalaisamy Sundari<sup>3</sup>. The authors' affiliations are: Vellalar College for Women (Autonomous), Thindal, Erode- 638012, Tamil Nadu, India; Arignar Anna Government Arts College, Namakkal –637 002, Tamil Nadu, India; and K.S.R. College of Engineering, Tiruchengode-637 215, Tamil Nadu, India. The article was received on 3 September 2020, revised on 13 October 2020, and accepted on 30 October 2020.

[https://web.archive.org/web/20201210065948id\\_/http://ajpp.in/uploaded/p455.pdf](https://web.archive.org/web/20201210065948id_/http://ajpp.in/uploaded/p455.pdf)



# ARIGNAR ANNA GOVERNMENT ARTS COLLEGE NAMAKKAL – 637 002

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## 3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years (2020-2021)

### Screenshots of Research Article

**PAL ARCH** Journal of Archaeology of Egypt / Egyptology

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HOME ARCHIVES VOL. 17 NO. 9 (2020): PALARCH'S JOURNAL OF ARCHAEOLOGY OF EGYPT/EGYPTOLOGY Articles

### Humanistic Voice of Jayanta Mahapatra

Dr. K. Muthuraman, Dr. V. Gnanaprakasam, Dr. M. Madhavan, Dr. G. Arputhavel Raja

PDF

PUBLISHED

2020-11-02

HOW TO CITE

ISSN: 1567-214X

ABSTRACT

Mahapatra's strength lies in his profound understanding of the socio-cultural heritage of the land of Orissa from time immemorial to the

<https://www.archives.palarch.nl/index.php/jae/article/view/4814>

**International Journal of Advanced Science and Technology**

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Home / Archives / Vol. 29 No. 4s (2020): Vol 29 No 4s (2020) (Special Issue) / Articles

### IMPACT OF FOREIGN DIRECT INVESTMENT ON THE BRICS ECONOMY

Dr. M. Madhavan, T. Dhandapani, M. Tamizharasan

PDF

How to Cite

M. Tamizharasan, D. M. T. D. (2020). IMPACT OF FOREIGN DIRECT INVESTMENT ON THE BRICS ECONOMY. *International Journal of Advanced Science and Technology*, 29(4s), 573 - 582. Retrieved from <http://sersc.org/journals/index.php/IJAST/article/view/6363>

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Abstract

*Foreign Direct Investment has an important role in the BRICS economy. FDI is a significant factor contributing to the economic growth and development in the developing countries. Generally many of the researchers have positive impact of FDI on economic growth in the developing economy and most of the growth theory promote that FDI helps for the growth especially of developing countries. This study has tried to analyse the impact of FDI on the BRICS economy. The main objectives of the study are growth and trend pattern of FDI in the BRICS countries and the share of FDI in the other regions. The study has positive impact on economic growth in the BRICS economy. For this study data used for the period from 1991 to 2018 and the periods divided into three sub periods 1991 to 2000, 2001 to 2010, and 2011 to 2018. The variable was*

<http://sersc.org/journals/index.php/IJAST/article/view/6363>





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### Logical Straddles between the Real and the Tech-Simulated World: A Critical Study of Girish Karnad's Wedding Album

Dr. G. Arputhavel Raja, Dr. K. Muthuraman, Dr. V. Gnanaprakasam, Dr. M. Madhavan

PDF

PUBLISHED  
2020-11-02

HOW TO CITE  
Dr. G. Arputhavel Raja, Dr. K. Muthuraman, Dr. V. Gnanaprakasam, Dr. M. Madhavan. (2020). Logical

ABSTRACT

Girish Karnad's *Wedding Album* is a modern myth, which incorporates both actual and tech-simulated universes. It is hoped that the Indian wedding would unite the community in unity and shared interest. Yet the collision of fears and resentments that have been hidden inside the

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PalArch's Journal of Archaeology  
of Egypt / Egyptology

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HOME / ARCHIVES / VOL. 17 NO. 9 (2020): PALARCH'S JOURNAL OF ARCHAEOLOGY OF EGYPT/EGYPTOLOGY / Articles

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HOW TO CITE  
Dr. K. Muthuraman, Dr. V. Gnanaprakasam, Dr. M. Madhavan, Dr. C. Arputhavel Raja. (2020). Humanistic Voice of Jayanta Mahapatra. *PalArch's Journal of Archaeology of Egypt / Egyptology*, 17(9), 5245 - 5257. Retrieved from <https://www.archives.palarch.nl/index.php/jae/article/view/4814>

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ABSTRACT

Mahapatra's strength lies in his profound understanding of the socio-cultural heritage of the land of Orissa from time immemorial to the present day. Since Orissa, both as a specific socio-cultural entity and a typical part of India, forms an integral part of Mahapatra's poetry. Orissa's two aspects seem to have had a dominant influence in shaping Mahapatra's poetic sensibility. Firstly, the eventful historical past; secondly, the all-pervading presence of religion with its roots buried deep in the mysterious tribal culture and the seemingly unchanging lifestyle of the Orissa in general, which is largely dependent on agriculture. Hence, Mahapatra's poetry often encounters the permanence and changelessness, which draws

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PalArch's Journal of Archaeology  
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**International Journal of Advanced Science and Technology**

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Dr. M. Madhavan, T. Dhandapani, M. Tamizharasan

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HOME / ARCHIVES / VOL. 17 NO. 9 (2020): PAL ARCH'S JOURNAL OF ARCHAEOLOGY OF EGYPT/EGYPTOLOGY / Articles

### Logical Straddles between the Real and the Tech-Simulated World: A Critical Study of Girish Karnad's Wedding Album

Dr. G. Arputhavel Raja, Dr. K. Muthuraman, Dr. V. Gnanaprakasam, Dr. M. Madhavan

**ABSTRACT**

Girish Karnad's *Wedding Album* is a modern myth, which incorporates both actual and tech-simulated universes. It is hoped that the Indian wedding would unite the community in unity and shared interest. Yet the collision of fears and resentments that have been hidden inside the family's bosom is well established. The main theme of the game is its counselling of sexual, conjugal, caste, class and aging behaviours, egotistical and sacrificial attitudes and behaviours, chastity and trade, and obedience and authority, all of which are integral to the modern Hindu marriage. Karnad represents a fusion of cultures and his systematic studies are much more comprehensive than those of some of his peers and undoubtedly are far more effective.

PUBLISHED  
2020-11-02

HOW TO CITE  
Dr. G. Arputhavel Raja, Dr. K. Muthuraman, Dr. V. Gnanaprakasam, Dr. M. Madhavan. (2020). Logical Straddles between the Real and the Tech-Simulated World: A Critical Study of Girish Karnad's Wedding Album. *PAL ARCH's Journal of Archaeology of Egypt / Egyptology*, 17(9), 5258 - 5266. Retrieved from <https://archives.palarch.nl/index.php/jae/article/view/4816>

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**PAL ARCH**  
Journal of Scientific Research in Archaeology and Egyptology  
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ISSN: 1567-214X

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#### Screenshots of Research Article


Article


#### Green Synthesis and Applications of Nano CeO<sub>2</sub>/rGO Solar Active Photocatalyst for the Degradation of Basic Auramine-O Dye

February 2020 · *Asian Journal of Chemistry*, 32(3):528-538  
DOI:10.14233/ajchem.2020.22399


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<https://www.researchgate.net/publication/338954134> Green Synthesis and Applications of Nano CeO<sub>2</sub>/rGO Solar Active Photocatalyst for the Degradation of Basic Auramine-O Dye


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Research PDF Available


#### Adsorption isotherm and kinetic study of Direct Orange 102 dyes on TNJ activated carbon


December 2020

Authors:


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#### Screenshots of Research Article

The screenshot shows the article page for "AN EMPIRICAL STUDY ON OCCUPATIONAL ILLNESS AND HEALTH HAZARDS WITH SPECIAL REFERENCE TO WOMEN EMPLOYEE'S IN SPINNING INDUSTRY, ERODE DISTRICT, TAMILNADU." by Dr.D.Kanchana et al. The page includes a navigation menu, a breadcrumb trail, and a sidebar with journal information and an SJR 2021 chart.

<http://sersc.org/journals/index.php/IJAST/article/view/3156>

The screenshot shows the article page for "A Study On Problems And Prospects Of Women Employees With Particular Reference To Tirupur Garment Industry" by D. Kanchana<sup>1</sup> and B. Suganya<sup>2</sup>. The page includes a navigation menu, a breadcrumb trail, and a sidebar with journal information and a "Files" button.

[http://www.journal-aquaticscience.com/article\\_131847.html](http://www.journal-aquaticscience.com/article_131847.html)



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### Screenshots of Research Article

**International Journal of Advanced Science and Technology**

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### AN EMPIRICAL STUDY ON OCCUPATIONAL ILLNESS AND HEALTH HAZARDS WITH SPECIAL REFERENCE TO WOMEN EMPLOYEE'S IN SPINNING INDUSTRY, ERODE DISTRICT, TAMILNADU.

Dr.D.Kanchana et al.

**Abstract**

*Women's employment is an index of a society's modernization. It helps them to initiate and motivate the process of change towards social integrity and build up human resources. The traditional role of a man has been to earn money for the running of the home. This has changed to a great extent. Now, working women contribute to the expenses of running their homes as well. The working women have added responsibilities of looking after both the family and the workplace. Hence, due to a lot of mental pressure, women develop both physical and psychological problems. Because of their busy plan both at home and at*

How to Cite  
et al., D. (2020). AN EMPIRICAL STUDY ON OCCUPATIONAL ILLNESS AND HEALTH HAZARDS WITH SPECIAL REFERENCE TO WOMEN EMPLOYEE'S IN SPINNING INDUSTRY, ERODE DISTRICT, TAMILNADU. *International Journal of Advanced Science and Technology*, 29(2), 25 - 30. Retrieved from <http://sersc.org/journals/index.php/IJAST/article/view/3156>

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**International Journal of Advanced Science and Technology**

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### AN IMPACT ON STRESS AND CHALLENGES FACED BY WOMEN EMPLOYEE'S IN TIRUPUR GARMENT INDUSTRY IN TAMILNADU

Dr.D.Kanchana et al.

**Abstract**

*Modern era is the era of science and technology where everyone is striving to shine in his/her field whether at home or at work place. In this modern era, stress has become a universal phenomenon. Women in India have proved their spirit in the work domain. Behind such success lies a big story of struggle and freedom in the traditional social arena. Besides, changing roles of working women, they have maintained the traditional work culture of household. Working women have a whole set of problems involving both family and professional life. Women have to play their role as a wife, a mother and an earner. For working women it is two sets of overlapping responsibilities.*

How to Cite  
et al., D. (2020). AN IMPACT ON STRESS AND CHALLENGES FACED BY WOMEN EMPLOYEE'S IN TIRUPUR GARMENT INDUSTRY IN TAMILNADU. *International Journal of Advanced Science and Technology*, 29(2), 09 - 12. Retrieved from <http://sersc.org/journals/index.php/IJAST/article/view/3154>

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**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years (2020-2021)**

**Screenshots of Research Article**

**Journal of Xi'an University of Architecture & Technology** **Issn No : 1006-7930**

**WORK-LIFE BALANCE AND ITS RELATION WITH JOB SATISFACTION OF WOMEN EMPLOYEES IN THE GARMENT INDUSTRY, TIRUPPUR**

*Dr.D.Kanchana\* and C.Hamsaveni†*

**ABSTRACT**

Work-Life balance is a term that refers to an individual's insight of the degree to which experiencing positive relationships between work and family roles, where the relationships are viewed as compatible and stability with each other. Like an event measuring the daily shifting weights of time and energy allocation between work and family life, the

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Science, Technology and Development

Scopus coverage years: from 1990 to 1998  
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Publisher: IT Publications

ISSN: 0950-0707

Subject area: Social Sciences: Development Social Sciences: Geography, Planning and Development

Source type: Journal

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