



**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**

**2019-2020**






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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 (2019-2020)

#### Screenshots of Research Article



Neutrosophic Sets and Systems, Vol. 27, 2019 163  
University of New Mexico 

## Neutrosophic $\alpha$ s Continuity And Neutrosophic $\alpha$ s Irresolute Maps

V.Banu priya<sup>1</sup>, S.Chandrasekar<sup>2</sup>

<sup>1</sup>Assistant Professor, Department of Mathematics, RMK College of Engineering and Technology, Pudukovai, Tiruvallur(DT), Tamil Nadu, India.E-mail: spriya.maths@gmail.com.  
<sup>2</sup> Assistant Professor, PG and Research Department of Mathematics, Arignar Anna Government Arts College,Namakkal(DT),Tamil Nadu, India. E-mail: chandrumat@gmail.com.

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ity, cutting-edge scientific research papers for the upcoming Vol./Issue from the authors as per the scope of the journal.

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#### Nano $\delta$ G-Continuous Functions and Nano $\delta$ G-Irresolute Functions in Nano Topological Spaces

R. Vijayalakshmi<sup>1</sup>, Mookambika.A.P. <sup>2</sup>

Section:Research Paper, Product Type: Isroset-Journal  
Vol.6 , Issue.2 , pp.86-90, Apr-2019

**CrossRef-DOI:** <https://doi.org/10.26438/ijrmss/v6i2.8690>

Online published on Apr 30, 2019

[https://www.isroset.org/journal/IJSRMSS/full\\_paper\\_view.php?paper\\_id=1215](https://www.isroset.org/journal/IJSRMSS/full_paper_view.php?paper_id=1215)



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#### Screenshots of Research Article

© 2019 JETIR May 2019, Volume 6, Issue 5

www.jetir.org (ISSN-2349-5162)

## Neutrosophic $\alpha$ -Baire Spaces

R. Vijayalakshmi\*, S. Anjalmose\*\*, A. Savitha Mary \*\*\*

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Tamilnadu, India.

**Abstract:** In this paper the concepts of neutrosophic  $\alpha$ -Baire spaces are introduced and characterizations of neutrosophic  $\alpha$ -Baire spaces are studied. Several examples are given to illustrate the concepts introduced in this paper.

<https://www.jetir.org/papers/JETIR1905H89.pdf>

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

## Neutrosophic Semi $\alpha$ -Baire Spaces

R. Vijayalakshmi\*, A. Savitha Mary\*\* S. Anjalmose\*\*

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Email: savitha.mary139@gmail.com, ansalmose@gmail.com

### Abstract

In this paper, we introduced the concept of Neutrosophic Semi  $\alpha$ -Baire space and some of its characterizations of Neutrosophic Semi  $\alpha$ -Baire spaces are also studied. Here we have included several examples to illustrate the concepts

<http://fs.unm.edu/neut/NeutrosophicSemiAlphaBaire.pdf>



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#### Screenshots of Research Article

**NSS**  
**NM**

*Neutrosophic Sets and Systems, Vol. 30, 2019*  
*University of New Mexico*

### Neutrosophic Semi-Baire Spaces

R. Vijayalakshmi<sup>1\*</sup>, A. Savitha Mary<sup>2</sup> and S. Anjalmoose<sup>3</sup>

<sup>1</sup>PG & Research Department of Mathematics, Arignar Anna Government Arts College, Namakkal, Tamilnadu, India.  
E.Mail: viji\_lakshmi80@rediffmail.com

<sup>2,3</sup> Department of Mathematics, St. Joseph's College of Arts & Science (Autonomous), Manjakuppam, Cuddalore, Tamilnadu, India.  
E.Mail: savitha.marry139@gmail.com, ansalmoose@gmail.com

\* Correspondence: viji\_lakshmi80@rediffmail.com

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

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No Access • Published Online: 04 December 2019

### Some new nano sets in nano topological spaces

AIP Conference Proceedings 2177, 020105 (2019); <https://doi.org/10.1063/1.5135280>

R. Vijayalakshmi<sup>1</sup> and A. P. Mookambika<sup>2</sup>

View Affiliations View Contributors

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#### ABSTRACT

The purpose of this article is to introduce and study the new kind of sets namely Nano-A set, Nano-LC set, Nano-t set, Nano-B set,  $N-a^*$  set, Nano-C set, Nano- $C^*$  set and Nano- $C^{**}$  set in Nano topological spaces and then discussed relationship between the above sets. and then we introduce the notions of  $N-C_3$ -set,  $N-C_3^*$ -set,  $N-C_3$ -continuity  $N-C_3^*$ -continuity, contra  $N-C_3$ -continuity and contra  $N-C_3^*$ -continuity and study some of their properties

<https://aip.scitation.org/doi/pdf/10.1063/1.5135280>




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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 (2019-2020)

### Screenshots of Research Article



Malaya Journal of Matematik, Vol. 8, No. 4, 1824-1829, 2020  
<https://doi.org/10.26637/MJM0804/0082>

### Neutrosophic $\alpha$ -generalized semi homeomorphisms

V. Banu Priya<sup>1</sup>, S. Chandrasekar<sup>2\*</sup> and M. Suresh<sup>3</sup>

**Abstract**  
In this paper, the concepts of Neutrosophic  $\alpha$ -generalized semi homeomorphism and Neutrosophic  $i\alpha$ -generalized semi homeomorphism are introduced and also discussed the properties.


**Keywords**  
Neutrosophic  $\alpha$ -generalized semi homeomorphisms, Neutrosophic  $i\alpha$ -generalized semi homeomorphisms.

**AMS Subject Classification**  
34B24, 34B27.

<sup>1</sup>Department of Mathematics, R.M.K. College of Engineering and Technology, Tiruvallur-601206, Tamil Nadu, India.  
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**\*Corresponding author:** <sup>1</sup> spriya.maths@gmail.com; <sup>2</sup>chandrumat@gmail.com; <sup>3</sup>sureshmaths2209@gmail.com  
**Article History:** Received 24 September 2020; Accepted 30 October 2020

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<http://fs.unm.edu/neut/NeutrosophicAlfaGeneralizedHomeomorphisms.pdf>



Malaya Journal of Matematik, Vol. 8, No. 4, 1795-1806, 2020  
<https://doi.org/10.26637/MJM0804/0078>

### Neutrosophic $PRE - \alpha$ , $SEMI - \alpha$ and $PRE - \beta$ irresolute open and closed mappings in neutrosophic topological spaces

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

**Abstract**  
Aim of this present paper is, the notions of Neutrosophic pre- $\alpha$ -irresolute open & closed mappings, Neutrosophic  $\alpha$ -irresolute open & closed mappings, Neutrosophic semi- $\alpha$ -irresolute open & closed mappings and Neutrosophic pre- $\beta$ -irresolute open & closed mappings are introduced and Besides giving characterizations of these mappings and several interesting properties of these mappings are also discussed.

**Keywords**  
Neutrosophic  $\alpha$ -irresolute, Neutrosophic pre  $\alpha$ -irresolute, Neutrosophic  $\beta$ -irresolute, Neutrosophic  $\alpha$ -closed sets; Neutrosophic topological spaces.

**AMS Subject Classification**  
03E72.

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<https://www.malayajournal.org/articles/MJM08040078.pdf>

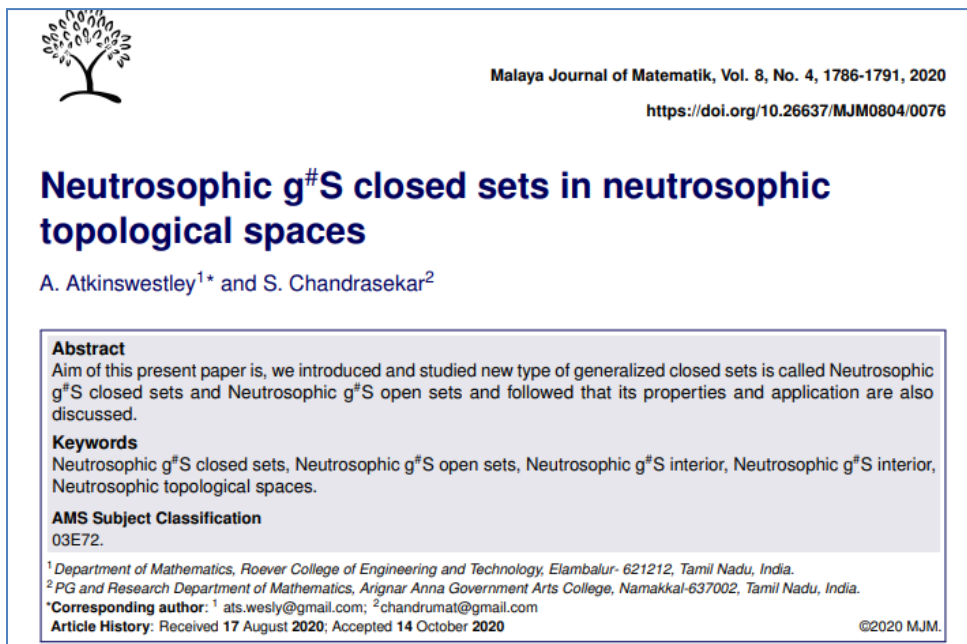


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#### Screenshots of Research Article



Malaya Journal of Matematik, Vol. 8, No. 4, 1786-1791, 2020  
<https://doi.org/10.26637/MJM0804/0076>

### Neutrosophic $g^{\#}S$ closed sets in neutrosophic topological spaces

A. Atkinwestley<sup>1\*</sup> and S. Chandrasekar<sup>2</sup>

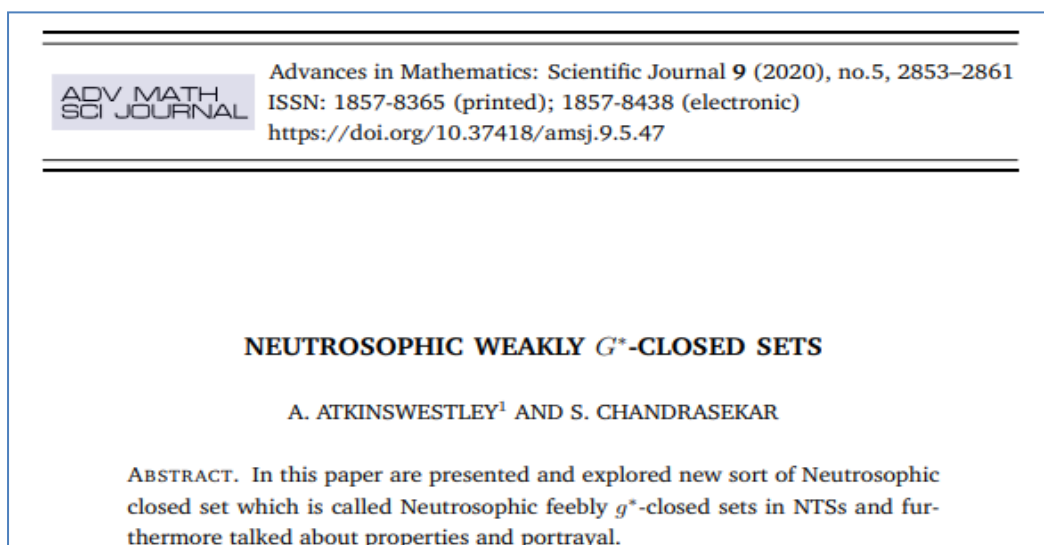
**Abstract**  
Aim of this present paper is, we introduced and studied new type of generalized closed sets is called Neutrosophic  $g^{\#}S$  closed sets and Neutrosophic  $g^{\#}S$  open sets and followed that its properties and application are also discussed.

**Keywords**  
Neutrosophic  $g^{\#}S$  closed sets, Neutrosophic  $g^{\#}S$  open sets, Neutrosophic  $g^{\#}S$  interior, Neutrosophic  $g^{\#}S$  interior, Neutrosophic topological spaces.

**AMS Subject Classification**  
03E72.

<sup>1</sup> Department of Mathematics, Roever College of Engineering and Technology, Elambalur- 621212, Tamil Nadu, India.  
<sup>2</sup> PG and Research Department of Mathematics, Arignar Anna Government Arts College, Namakkal-637002, Tamil Nadu, India.  
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Article History: Received 17 August 2020; Accepted 14 October 2020 ©2020 MJM.

<https://www.malayajournal.org/articles/MJM08040076.pdf>



Advances in Mathematics: Scientific Journal 9 (2020), no.5, 2853–2861  
ISSN: 1857-8365 (printed); 1857-8438 (electronic)  
<https://doi.org/10.37418/amsj.9.5.47>

### NEUTROSOPHIC WEAKLY $G^*$ -CLOSED SETS

A. ATKINWESTLEY<sup>1</sup> AND S. CHANDRASEKAR

ABSTRACT. In this paper are presented and explored new sort of Neutrosophic closed set which is called Neutrosophic feebly  $g^*$ -closed sets in NTSs and furthermore talked about properties and portrayal.

<https://www.research-publication.com/amsj/uploads/papers/vol-09/iss-05/AMSJ-2020-N5-47.pdf>




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### Screenshots of Research Article



*Neutrosophic Sets and Systems, Vol. 32, 2020*  
University of New Mexico



### Neutrosophic $\alpha$ -Irresolute Multifunction in Neutrosophic Topological Spaces

**T.RajeshKannan<sup>1</sup> and S.Chandrasekar<sup>2</sup>**

<sup>1,2</sup> PG and Research Department of Mathematics, Arignar Anna Government Arts College, Namakkal(DT),Tamil Nadu, India, rajeshkannan03@yahoo.co.in, chandrumat@gmail.com

\* Correspondence: Author (chandrumat@gmail.com)

**Abstract:** Aim of this present paper is, we define some new type of irresolute multifunction between the two spaces. We obtain some characterization and some properties between such as Lower & Upper  $\alpha$ - irresolute multifunction

**Keywords:** Neutrosophic  $\alpha$ -irresolute lower; Neutrosophic  $\alpha$ irresolute upper; Neutrosophic  $\alpha$  - closed sets; Neutrosophic topological spaces

<http://fs.unm.edu/NSS/IrresoluteMultifunctioninNeutrosophic24.pdf>



**Neutrosophic Sets and Systems**  
An International Journal in Information Science and Engineering  
ISSN (print): 2331-6055, ISSN (online): 2331-600X

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### Neutrosophic $g^*$ -Closed Sets and its maps

**A.Atkinswestley**  
Department of Mathematics, Roever College of Engineering and Technology, Elambalur,Perambalur(DT), Tamil Nadu, India

**S.Chandrasekar**  
Department of Mathematics, Arignar Anna Government Arts College, Namakkal(DT),Tamil Nadu, India

**Keywords:** Neutrosophic  $g^*$ -Closed sets Neutrosophic  $g^*$ -Closed sets, Neutrosophic $g^*$ -open sets,, Neutrosophic  $g^*$ -continuous.

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**Scopus**



<http://fs.unm.edu/NSS2/index.php/111/article/view/772>



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#### Screenshots of Research Article

The screenshot shows the journal's website interface. At the top, there is a navigation bar with 'Current', 'Archives', 'Announcements', and 'About'. The main content area features the article title 'Neutrosophic bg-closed Sets and its Continuity' by C. Maheswari and S. Chandrasekar. A thumbnail of the journal cover for Volume 36, 2020 is displayed. On the right, there is a badge indicating it is indexed by Scopus, with the text 'EMERGING SOURCES CITATION INDEX INDEXED'.

<http://fs.unm.edu/NSS2/index.php/111/article/view/773>

<http://fs.unm.edu/neut/NeutrosophicStronglyAlfaGeneralized.pdf>

The screenshot shows the article page from 'Advances in Mathematics: Scientific Journal'. The journal title and ISSN information are at the top. The article title is 'NEUTROSOPHIC STRONGLY  $\alpha$ -GENERALIZED SEMI CLOSED SETS' by V. BANU PRIYA, S. CHANDRASEKAR<sup>1</sup>, AND M. SURESH. The abstract states: 'The purpose of this paper is to introduce and study the concepts of Neutrosophic strongly  $\alpha$ -generalized semi-closed sets and Neutrosophic strongly  $\alpha$ -generalized semi-open sets. Some of their properties are explored.'

<http://fs.unm.edu/neut/NeutrosophicStronglyAlfaGeneralized.pdf>






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#### Screenshots of Research Article



*Neutrosophic Sets and Systems, Vol. 29, 2019*  
*University of New Mexico*

### Neutrosophic gb-closed Sets and Neutrosophic gb-Continuity


C.Maheswari<sup>1</sup>, S. Chandrasekar<sup>2\*</sup>

<sup>1</sup>Department of Mathematics, Muthayammal College of Arts and Science, Rasipuram, Namakkal(DT), Tamil Nadu, India; E-mail: mahi2gobi@gmail.com  
<sup>2</sup>PG and Research Department of Mathematics, Arignar Anna Government Arts College, Namakkal(DT), Tamil Nadu, India; E-mail: chandrumat@gmail.com

\* Correspondence: chandrumat@gmail.com;

**Abstract:** Smarandache introduced and developed the new concept of Neutrosophic set from the Intuitionistic fuzzy sets. A.A. Salama introduced Neutrosophic topological spaces by using the Neutrosophic crisp sets. Aim of this paper is we introduce and study the concepts Neutrosophic generalized b closed sets and Neutrosophic generalized b continuity in Neutrosophic topological spaces and its Properties are discussed details.

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



Malaya Journal of Matematik, Vol. 8, No. 4, 1812-1817, 2020  
<https://doi.org/10.26637/MJM0804/0080>

### Neutrosophic semi Volterra spaces

R. Vijayalakshmi<sup>1\*</sup> and A. Savitha Mary<sup>2</sup>

**Abstract**  
In this paper, we introduced the concepts of Neutrosophic Semi Volterra spaces and some relations of the Neutrosophic Baire spaces and Neutrosophic Volterra spaces are also studied.

**Keywords**  
Neutrosophic  $SG_\delta$ - set, Neutrosophic  $SF_\sigma$ - set, Neutrosophic Volterra spaces, Neutrosophic Semi Volterra spaces

**AMS Subject Classification**  
03C55.

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\*Corresponding author: <sup>1</sup> vijilakshmi80@rediffmail.com; <sup>2</sup> savitha.mary139@gmail.com,  
**Article History:** Received 17 August 2020; Accepted 15 October 2020

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<https://www.malayajournal.org/articles/MJM08040080.pdf>



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#### Screenshots of Research Article

ADV MATH  
SCI JOURNAL

Advances in Mathematics: Scientific Journal 9 (2020), no.10, 8605–8613  
ISSN: 1857-8365 (printed); 1857-8438 (electronic)  
<https://doi.org/10.37418/amsj.9.10.85>


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### NEUTROSOPHIC STRONGLY $\alpha$ -GENERALIZED SEMI CLOSED SETS


V. BANU PRIYA, S. CHANDRASEKAR<sup>1</sup>, AND M. SURESH

ABSTRACT. The purpose of this paper is to introduce and study the concepts of Neutrosophic strongly  $\alpha$ -generalized semi-closed sets and Neutrosophic strongly  $\alpha$ -generalized semi-open sets. Some of their properties are explored.

<http://fs.unm.edu/neut/NeutrosophicStronglyAlfaGeneralized.pdf>

 **NSS**

Neutrosophic Sets and Systems, Vol. 36, 2020

University of New Mexico 

### Neutrosophic Nano Semi-Frontier

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<sup>2</sup> Assistant Professor, Department of Mathematics, Mahatma Gandhi Government Arts College, New Mahe (PO), Mahe, Puducherry, India.; E-mail: [mookiratna@gmail.com](mailto:mookiratna@gmail.com)

\*Correspondence: Author ([viji\\_lakshmi80@rediffmail.com](mailto:viji_lakshmi80@rediffmail.com))

**Abstract:** Smarandache presented and built up the new idea of Neutrosophic set from the Intuitionistic fuzzy sets. A.A. Salama presented Neutrosophic topological spaces by utilizing the Neutrosophic sets. M.L.Thivagar et al., created Nano topological spaces and Neutrosophic nano topological spaces. Point of this paper is we present and study the properties of Neutrosophic Nano semi frontier in Neutrosophic nano topological spaces and its portrayal are talked about subtleties.

[https://digitalrepository.unm.edu/cgi/viewcontent.cgi?article=1629&context=nss\\_journal](https://digitalrepository.unm.edu/cgi/viewcontent.cgi?article=1629&context=nss_journal)



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#### Screenshots of Research Article

ADV MATH SCI JOURNAL

Advances in Mathematics: Scientific Journal 9 (2020), no.2, 699–709  
ISSN: 1857-8365 (printed); 1857-8438 (electronic)  
Special Issue on ICCSPAM-2020 <https://doi.org/10.37418/amsj.9.2.19>


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### $B_\gamma$ -OPEN SETS IN TOPOLOGICAL SPACES

R. VIJAYALAKSHMI<sup>1</sup> AND A. VADIVEL

ABSTRACT. The aim of this paper is to introduce and study the notion of  $B_\gamma$ -open,  $B$  pre open,  $B$  semi open and  $B\beta$ -open sets. Some characterization of these notions are presented.

<https://research-publication.com/amsj/uploads/papers/vol-09/iss-02/AMSJ-2020-N2-19.pdf>



Malaya Journal of Matematik, Vol. 8, No. 4, 1851-1858, 2020  
<https://doi.org/10.26637/MJM0804/0086>

## Properties of neutrosophic nano semi open sets

R. Vijayalakshmi<sup>1\*</sup> and A. P. Mookambika<sup>2</sup>

**Abstract**  
Smarandache [2] introduced and developed the new concept of Neutrosophic set from the Intuitionistic fuzzy sets. A.A. Salama [1] introduced Neutrosophic topological spaces by using the Neutrosophic crisp sets. M.L. Thivagar et al. [3,4] developed Nano topological spaces and Neutrosophic nano topological spaces. Aim of this paper is we introduce and study the properties of Neutrosophic nano semi closed sets in Neutrosophic nano topological spaces and its characterization are discussed details.

**Keywords**  
Neutrosophic Nano semi open set, Neutrosophic Nano semi closed set, Neutrosophic Nano semi closure, Neutrosophic Nano semi interior, Neutrosophic nano topology.

**AMS Subject Classification**  
32C18.

<sup>1</sup> Department of Mathematics, Arignar Anna Government Arts College, Namakkal-637002, Tamil Nadu, India.  
<sup>2</sup> Department of Mathematics, Mahalinga Sengani Government Arts College, New Mehsa (PO), Mehsa-632014, Puducherry, India.

<https://www.malayajournal.org/articles/MJM08040086.pdf>



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#### Screenshots of Research Article

Malaya Journal of Matematik, Vol. 8, No. 1, 201-205, 2020  
<https://doi.org/10.26637/MJM0801/0034>

### The $\omega$ -compact topology on function spaces

S. Shanthi<sup>1\*</sup>

**Abstract**  
The aim of this paper is to introduce a new topology called  $\omega$ -open compact topology on the set of all real-valued continuous function on a Tychonoff space.

**Keywords**  
Topological spaces,  $\omega$ -open sets,  $\omega$ -compact topology.

**AMS Subject Classification**  
54C10, 54C35, 54D65, 54E18, 54E35.

<sup>1</sup> Department of Mathematics, Arignar Anna Government Arts College, Namakkal-637001, Tamil Nadu, India.  
\*Corresponding author: shanthiwini2005@yahoo.co.in  
Article History: Received 11 September 2019; Accepted 19 December 2019 ©2020 MJM.

<https://www.malayajournal.org/articles/MJM08010034.pdf>

## Solid State Technology

Home / Archives / Vol. 63 No. 6 (2020) / Articles

### Beneficiary Perception Of Csr Practices On Rural Development

M. Madhavan ,P. Sundararajan, U.S. Sudheesh Babu.

PDF

Issue  
Vol. 63 No. 6 (2020)

Section  
Articles

**Abstract**  
Corporate India is today playing a significant role in the socio-economic development of the country. The concept of Corporate social responsibility is the commitment of business towards its humanity and stakeholders to perform as an economically, socially and environmentally sustainable way. Today the companies are intensifying their scale of processes and going

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#### Screenshots of Research Article



International Journal of Innovative Technology and Exploring Engineering (IJITEE)  
ISSN: 2278-3075 (Online), Volume-9 Issue-5, March 2020

# Performance and Efficiency Features of Bin Model Solar Instant Water Heater using Copper Plate Collector

K. Vikramprasad, N. Sethupathi, P. Maadeswaran, P. Mahalingam



<https://www.ijtee.org/wp-content/uploads/papers/v9i5/E2767039520.pdf>


## International Journal of Advanced Science and Technology

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Home / Archives / Vol. 29 No. 04 (2020): Vol 29 No. 4 (2020) / Articles

### Energy Absorption of Different Collector Plates for Bin Model Solar Instant Water Heater

K. Vikramprasad, N. Sethupathi, P. Maadeswaran, P. Mahalingam



<http://sersec.org/journals/index.php/IJAST/article/view/25968>



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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 (2019-2020)**

**Screenshots of Research Article**

The screenshot shows the cover of the Asian Journal of Chemistry, Volume 32, No. 4 (2020), pages 822-826. The title of the article is "Alternate Layers of Cobalt Doped Tungsten Oxide and Reduced Graphene Oxide Composite as Electrode Material for Supercapacitor". The authors listed are P. DHILIP, M. NITHTHIYANANDAM, N. SETHUPATHI and P. MAHALINGAM\*. The journal is published by Springer. The cover also includes the journal's logo, a globe, and a molecular structure illustration.

*Asian Journal of Chemistry; Vol. 32, No. 4 (2020), 822-826*

**ASIAN JOURNAL OF CHEMISTRY**

<https://doi.org/10.14233/ajchem.2020.22470>

**Alternate Layers of Cobalt Doped Tungsten Oxide and Reduced Graphene Oxide Composite as Electrode Material for Supercapacitor**

P. DHILIP, M. NITHTHIYANANDAM, N. SETHUPATHI and P. MAHALINGAM\*

Department of Chemistry, Arignar Anna Government Arts College, Namakkal-637002, India

\*Corresponding author: E-mail: ponmahanano@gmail.com

Received: 27 September 2019; Accepted: 20 November 2019; Published online: 25 February 2020; AJC-19798

[https://asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=32\\_4\\_16](https://asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=32_4_16)

Springer Link

Home > [Indian Journal of Physics](#) > Article

Original Paper | [Published: 03 May 2019](#)

## Optical and luminescence studies on Tm<sup>3+</sup>-doped KCl single crystals

[S. Bangaru](#) & [V. Shanmugam](#)

[Indian Journal of Physics](#) **94**, 267–274 (2020) | [Cite this article](#)

95 Accesses | 1 Citations | [Metrics](#)

<https://link.springer.com/article/10.1007/s12648-019-01466-y>




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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 (2019-2020)

#### Screenshots of Research Article



**RJC**

**RASĀYAN J. Chem.**  
Vol. 12 | No. 4 | 1710 - 1724 | October - December | 2019  
ISSN: 0974-1496 | e-ISSN: 0976-0083 | CODEN: RJCABP  
<http://www.rasayanjournal.com>  
<http://www.rasayanjournal.co.in>

### SOLAR LIGHT ACTIVE CeO<sub>2</sub>/rGO HYBRID PHOTOCATALYST FOR DIRECT VIOLET 51 DEGRADATION

**A. Loganathan<sup>1,2</sup>, A. Sivakumar<sup>3</sup>, B. Murugesan<sup>1,4</sup> and P. Sivakumar<sup>2,\*</sup>**  
<sup>1</sup>Research and Development Centre, Bharathiar University, Coimbatore, TN, India-641 046  
<sup>2</sup>Department of Chemistry, Arignar Anna Govt. Arts & Science College,  
Namakkal TN, India-637 002  
<sup>3</sup>Chemical Division, TANGEDCO, Mettur Dam, TN, India-636 406  
<sup>4</sup>Chemistry Department, K. S. R. Institute for Engineering and Technology, T.Code, Namakkal,  
TN, India-637 215  
\*E-mail: shivagobi@yahoo.com

[http://rasayanjournal.co.in/admin/php/upload/763\\_pdf.pdf](http://rasayanjournal.co.in/admin/php/upload/763_pdf.pdf)



estd. 1989  
Asian Journal of Chemistry

*Asian Journal of Chemistry; Vol. 26, No. 14 (2014), 4167-4171*

## ASIAN JOURNAL OF CHEMISTRY

<http://dx.doi.org/10.14233/ajchem.2014.16053>



### Characterization of Magnetic Metal Encapsulated in Multi-Walled Carbon Nanotubes Synthesized from Methyl Ester of *Pongamia pinnata* Oil and Its Application for Removal of Arsenic Ions from Aqueous Solution

P. MAHALINGAM<sup>1</sup>, N. SIVAKUMAR<sup>2</sup>, M. KARTHIK<sup>3</sup> and S. KARTHIKEYAN<sup>2,\*</sup>

<sup>1</sup>Department of Chemistry, Arignar Anna Government Arts College, Namakkal-637 002, India  
<sup>2</sup>Department of Chemistry, Chikkanna Government Arts College, Tirupur-641 602, India  
<sup>3</sup>CIC Energigune, Energy Cooperative Research Centre, Parque Tecnológico, 01510 Minano (Alava), Spain

\*Corresponding author: E-mail: environkarthi@gmail.com

Received: 16 July 2013;Accepted: 2 November 2013;Published online: 5 July 2014;AJC-15434

[https://asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=26\\_15\\_5](https://asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=26_15_5)



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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 (2019-2020)

### Screenshots of Research Article

**Desalination and Water Treatment**  
www.deswater.com  
doi: 10.5004/dwt.2017.20603

74 (2017) 354–361  
May

**Synthesis and photocatalytic application of nano La–Ce/TiO<sub>2</sub> composite catalyst**

**Ponnusamy Sivakumar\***, Duraisamy Sudha, Ponnusamy Mahalingam, Andimuthu Loganathan

*PG and Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal 637002, Tamilnadu, India, Tel. +919865366488; email: shivagobi@yahoo.com (P. Sivakumar), Tel. +919443762195; email: dsudhajkm@gmail.com (D. Sudha), Tel. +919842864041; email: mahalinghamp@yahoo.com (P. Mahalingam), Tel. +919840952195; email: loghunadan@gmail.com (A. Loganathan)*

Received 16 November 2016; Accepted 14 February 2017

[https://www.deswater.com/DWT\\_abstracts/vol\\_74/74\\_2017\\_354.pdf](https://www.deswater.com/DWT_abstracts/vol_74/74_2017_354.pdf)

The screenshot shows the ScienceDirect interface for the article "Adsorption isotherm and kinetic study of Direct Orange 102 dyes on TNJ activated carbon". The article is published in *materialstoday: PROCEEDINGS*, Volume 34, Part 2, 2021, Pages 389-394. The authors listed are P. Srinivasan, A. John Bosco, B. Kalavizhi, J. Arackia Seki, and P. Sivakumar. The article is part of the 3rd International Conference on Recent Advances in Material Chemistry (ICRAMC 2019), February 13-15, 2019, Kattankulathur, India. The article is available online on 6 March 2020, Version of Record 5 February 2021.

<https://www.sciencedirect.com/science/article/pii/S2214785320309512?via%3Dihub>





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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 (2019-2020)**

**Screenshots of Research Article**

**VOL. 4, ISSUE 6 (2019)**

**Nickel Chloride Induced alteration in acid and alkaline phosphatases in liver and kidney of the freshwater fish *Labeo rohita***

**Authors**  
K Moorthikumar, A Krishnamoorthi, M Muthulingam

**Abstract**  
Quantitative assessment of enzymes is reliable to understand the stress imposed on the organism by environmental pollutants. In the present investigation, the effect of sublethal concentration of nickel chloride on acid and alkaline phosphatases in liver and kidney of the fish *Labeo rohita* was studied. The result showed in general, a significant ( $P < 0.05$ ) reduction in the activity of both the enzymes in liver and kidney, but more pronounced in kidney than liver. The alteration in enzymatic changes indicated that nickel chloride is very hazardous to the fish.

**Download | Pages : 118-121**

**How to cite this article:**  
K Moorthikumar, A Krishnamoorthi, M Muthulingam. Nickel Chloride Induced alteration in acid and alkaline phosphatases in liver and kidney of the freshwater fish *Labeo rohita*. International Journal of Entomology Research, Volume 4, Issue 6, 2019, Pages 118-121

<https://www.entomologyjournals.com/archives/2019/vol4/issue6/4-6-42>

*Eco. Env. & Cons.* 26 (November Suppl. Issue) : 2020; pp. (S333-S336)  
Copyright@ EM International  
ISSN 0971-765X

**Zooplankton diversity in Amaravathi Dam Tirupur District, Tamilnadu, India**

**A. Krishnamoorthi<sup>1</sup> and K. Moorthikumar<sup>2</sup>**

<sup>1</sup>Department of Zoology, Arignar Anna Government Arts College, Namakkal, Tamilnadu, India.

<sup>2</sup>Department of Zoology, L.R.G Government Arts College for Women, Tirupur, Tamilnadu, India

(Received 25 April, 2020; Accepted 1 June, 2020)

<http://www.envirobiotechjournals.com/EEC/26NovSupplIssue2020/EEC-59.pdf>



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**Screenshots of Research Article**

**Poll Res. 39 (February Suppl. Issue) : S71-S75 (2020)**  
Copyright © EM International  
ISSN 0257–8050

**SUBLETHAL TOXICITY OF NICKEL CHLORIDE ON PROTEIN  
CONTENT IN GILL AND MUSCLE OF THE FISH *LABEO ROHITA*  
(HAMILTON)**

**K. MOORTHIKUMAR<sup>1</sup>, A. KRISHNAMOORTHY<sup>2</sup> AND M. MUTHULINGAM<sup>3</sup>**

<sup>1</sup>Department of Zoology, L R G Government Arts College for Women,  
Tirupur 641 601, Tamil Nadu, India

<sup>2</sup>Department of Zoology, Arignar Anna Government Arts College, Namakkal 637 001, Tamil Nadu, India

<sup>3</sup>Department of Zoology, D.G. Government Arts College for Women, Mayiladuthurai 609 001,  
Tamil Nadu, India

(Received 25 October, 2019; accepted 8 December, 2019)

<http://www.envirobiotechjournals.com/PR/FebSupplIssue2020/Poll%20Res-11.pdf>



Home > [The Journal of Supercomputing](#) > Article

Published: [26 October 2019](#)

**Secured distributed routing technique using extended  
DART and table elimination (ET-DART) technique in  
wireless sensor networks environment**

[N. V. Chinnasamy](#)  & [A. Senthilkumar](#)

[The Journal of Supercomputing](#) **76**, 915–931 (2020) | [Cite this article](#)

**119** Accesses | **2** Citations | [Metrics](#)

<https://link.springer.com/article/10.1007/s11227-019-03039-6>



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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 (2019-2020)**

**Screenshots of Research Article**



[Home](#) > [The Journal of Supercomputing](#) > Article

Published: 07 November 2019

# USCDRP: unequal secure cluster-based distributed routing protocol for wireless sensor networks

[V. Vijayalakshmi](#)  & [A. Senthilkumar](#)

*The Journal of Supercomputing* **76**, 989–1004 (2020) | [Cite this article](#)

**197** Accesses | **11** Citations | [Metrics](#)

<https://link.springer.com/article/10.1007/s11227-019-03040-z>

Article

Publisher preview available

Data dependability based bimodal encryption scheme for distributed routing in wireless sensor networks



July 2020 · *Peer-to-Peer Networking and Applications* 13(4)

DOI: [10.1007/s12083-019-00813-4](https://doi.org/10.1007/s12083-019-00813-4)

Authors:



P. Brindha



A. Senthilkumar

[https://www.researchgate.net/publication/338126229\\_Data\\_dependability\\_based\\_bimodal\\_encryption\\_scheme\\_for\\_distributed\\_routing\\_in\\_wireless\\_sensor\\_networks](https://www.researchgate.net/publication/338126229_Data_dependability_based_bimodal_encryption_scheme_for_distributed_routing_in_wireless_sensor_networks)



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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 (2019-2020)**

**Screenshots of Research Article**

**JES**  
Journal of Engineering Sciences

Vol 11, Issue 4 , April/2020  
ISSN NO:0377-9254

**LITERATURE REVIEW ON MBA GRADUATE PROGRAM ON  
EMPLOYABILITY AND SKILLS**

**R.N.S Mani\*, Dr. D. Kanchana\*\***

\*Research Scholar, Department of Business Administration, Arignar Anna Government Arts College,  
Namakkal 637002

\*\*Assistant Professor & Head, Department of Business Administration, Arignar Anna Government Arts  
College, Namakkal 637002

<https://jespublication.com/upload/2020-1104103.pdf>

**GIS Business**

ISSN: 1430-3663  
Vol-15-Issue-4-April-2020

**MSME'S Customers Perception towards Public and Private Sector Banking  
Operations in Namakkal District**

**Dr. D. KANCHANA,**  
Head of the Department and Research Supervisor  
&  
**Dr G SANKARANARAYANAN,**  
Ph.D., (Part-Time) Research Scholar,  
Department of Management Studies,  
Arignar Anna Government Arts College, Namakkal – 637 003

<file:///C:/Users/Dell/Downloads/MSMEsCustomersPerceptiontowardsPublicandPrivateSectorBankingOperationsinNamakkalDist>



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**Screenshots of Research Article**

www.ijiarec.com



**ISSN:2348-2079**

**Volume-7 Issue-1**

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**International Journal of Intellectual Advancements  
and Research in Engineering Computations**

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**Diary entrepreneurs' opinion regarding the usage of micro finance and their economic empowerment in Dumpkur District, Karnataka**

**Ms. S.P.Shwetha<sup>1</sup>, V.Rajeswari<sup>2</sup>, S. Porkodi<sup>3</sup>**

<sup>1</sup>Research Scholar, Research & Development Centre, Bharathiar University, Coimbatore, India.  
<sup>2</sup>Assistant Professor, Department of Business Administration, Arignar Anna Government Arts College, Namakkal, India.  
<sup>3</sup>Higher College of Technology, Ministry of Manpower Colleges, Al-khuwair, Muscat, Sultanate of Oman.

<file:///C:/Users/Dell/Downloads/Diaryentrepreneurs.pdf>

[ VOLUME 6 | ISSUE 1 | JAN.- MARCH 2019]

E ISSN 2348 -1269, PRINT ISSN 2349-5138

**Trends and Temporal VARIATIONS OF URBAN LAND VALUES  
(With special reference from Namakkal District, Tamilnadu, India)**

**S.Sujatha<sup>1</sup> & Dr. S. Mohan Prabhu<sup>2</sup>**

<sup>1</sup>Assistant Professor of Statistics, Arignar Anna Government Arts College, Namakkal, Tamilnadu, India.  
<sup>2</sup>Assistant Professor & Head, Department of Statistics, Muthayammal Arts and Science College, Rasipuram, Namakkal, Tamilnadu, India.

Received: September 16, 2018

Accepted: October 27, 2018

[http://ijrar.com/upload\\_issue/ijrar\\_issue\\_20542716.pdf](http://ijrar.com/upload_issue/ijrar_issue_20542716.pdf)



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**Screenshots of Research Article**

INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 9, ISSUE 02, FEBRUARY 2020 ISSN 2277-861

## A Study On The Importance Of Pre-Hoc And Post- Hoc ANOVA Tests In Agriculture Research

S.Sujatha, Dr.S.Mohan Prabhu

**Abstract :** The importance of statistical techniques in agriculture research is prominent. Data collection, numerical information, hypothesis testing, and accurate result played a vital role in the development and growth of agricultural research. One of the most powerful hypothesis testing in agriculture research is Analysis of Variance (ANOVA), which is the testing for homogeneity of means of more than two normal populations. This test can be applied to the selection of fertilizer, seed types, increase the amount of yield and equipment reliability. This paper discusses the importance of pre-hoc and post-hoc ANOVA test. This study helps to improve the efficiency of data processing, provide the accurate results, reduce the experimental error and cost, and also improving the agricultural research design.

**Keywords :** ANOVA, Experimental error, Post-hoc and Pre-hoc.

<http://www.ijstr.org/final-print/feb2020/A-Study-On-The-Importance-Of-Pre-hoc-And-Post-Hoc-Anova-Tests-In-Agriculture-Research.pdf>

Article Publisher preview available

### Secured distributed routing technique using extended DART and table elimination (ET-DART) technique in wireless sensor networks environment

Springer

February 2020 · *The Journal of Supercomputing* 76(1)  
DOI: [10.1007/s11227-019-03039-6](https://doi.org/10.1007/s11227-019-03039-6)

**Authors:**

N. V. Chinnasamy A. Senthilkumar

[https://www.researchgate.net/publication/336831385\\_Secured\\_distributed\\_routing\\_technique\\_using\\_extended\\_DART\\_and\\_table\\_elimination\\_ET-DART\\_technique\\_in\\_wireless\\_sensor\\_networks\\_environment](https://www.researchgate.net/publication/336831385_Secured_distributed_routing_technique_using_extended_DART_and_table_elimination_ET-DART_technique_in_wireless_sensor_networks_environment)



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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 (2019-2020)

#### Screenshots of Research Article

The screenshot shows the article page on CyberLeninka. The header includes the CyberLeninka logo, a search icon, and a button labeled "ПОДДЕРЖАТЬ ПРОЕКТ". The article title is "A NOVEL FRAMEWORK FOR THE PREVENTION OF BLACK-HOLE IN WIRELESS SENSORS USING HYBRID CONVOLUTION NETWORK". Below the title, it says "Текст научной статьи по специальности «Компьютерные и информационные науки»". The authors listed are "Kolangiappan J." and "Senthil Kumar A.". There are icons for CC BY, 66 views, and 12 downloads. At the bottom, there are buttons for "0" likes, "0" dislikes, a quote icon, a download icon, and a blue button labeled "ЧИТАТЬ".

<https://cyberleninka.ru/article/n/a-novel-framework-for-the-prevention-of-black-hole-in-wireless-sensors-using-hybrid-convolution-network>

The screenshot shows a search result on ifmo.ru. The URL is "https://ntv.ifmo.ru > article > mnogoputevaya\_bezopas...". The article title is "A multi-path secure routing for the detection of node ...". Below the title, it says "by J Kolangiappan · 2022 — Kolangiappan J., Senthil Kumar A. A multi-path secure routing for the detection of node capturing attack in wireless sensor network." There is a note: "Missing: Dr. | Must include: Dr."

<https://www.google.com/search?sxsrf=APwXEdf46bsgAAkipNEsDGWIWVGZyZ6JYA:1683624805690&q=A+multi-path+secure+routing+for+the+detection+of+node+capturing+attack+in+wireless+sensor+netw>



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**Screenshots of Research Article**

## A Novel framework using Stochastic Gradient Decent Search for optimizing Wireless Sensor Networks

pdf

C. Sasikala, Dr.A.Senthilkumar

**Keywords:**  
WSN, SGD, AllJoyn

### Abstract

In the past three decades, Wireless Sensor Network (WSN) has become a leading area of research. Now days, WSN plays vital role for all kind of humanoid applications like research, automation, robotic industries etc. Most

<https://www.tojqi.net/index.php/journal/article/view/6341>



**Journal of Emerging Technologies and Innovative Research**  
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**UGC Approved Journal no 63975**  
**ISSN: 2349-5162 | ESTD Year : 2014**  
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**Volume 10 | Issue 5 | May 2023**

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Volume 10 | Issue 2 February 2023

ISSN Number

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#### Screenshots of Research Article

#### Indian Journal of Science and Technology

**Publisher:** Indian Society for Education and Environment (ISEE)

**Editor:** Prof. Natarajan Gajendran

**Online ISSN:** 0974-5645, **Print ISSN:** 0974-6846

**Frequency:** Weekly

**Indexing:** Indian Journal of Science and Technology is an open-access journal publishing full-length research papers and review articles covering subjects that fall under the wide spectrum of science and technology. The journal is dedicated towards dissemination of knowledge related to the advancement in scientific research. Indian Journal of Science and Technology is published by Informatics (India) Ltd. on behalf of Indian Society for Education and Environment.



<https://www.i-scholar.in/index.php/indjst>

The screenshot shows the article page for "AN IMPACT ON STRESS AND CHALLENGES FACED BY WOMEN EMPLOYEE'S IN TIRUPUR GARMENT INDUSTRY IN TAMILNADU" by Dr.D.Kanchana et al. The page includes a navigation menu, breadcrumb trail, article title, author name, a PDF download button, and a sidebar with journal information and an SJR 2022 chart.

**International Journal of Advanced Science and Technology**

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Home / Archives / Vol. 29 No. 2 (2020): Vol 29 No 2 (2020) / Articles

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

Dr.D.Kanchana et al.

PDF

Abstract

How to Cite  
et al., D. (2020). AN IMPACT ON STRESS AND...

International Journal of Advanced Science and...  
Not yet assigned quartile

SJR 2022  
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<http://sersec.org/journals/index.php/IJAST/article/view/3154>