

# THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), Sivakasi

(Affiliated to Madurai Kamaraj University, Reaccredited with "A" Grade by NAAC, College with Potential for Excellence by UGC & Mentor Institution under UGC PARAMARSH)

**NAAC SSR Cycle IV (2015-2020)** 

3.4. PUBLICATIONS

3.4.3. RESEARCH PAPER IN JOURNALS

**EVIDENCES FOR PUBLICATION IN JOURNALS (with DOI Number)** 

2019-2020



(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

#### **Publication in Journals**

2019-2020

| S.No. | Name of the author/s  | Department<br>of the teacher | Title of paper  | Name of<br>Journal  | Is it listed inUGC CARE/Scop us/Web of Science/oth er, mention | DOI   |
|-------|-----------------------|------------------------------|---|---|--|---|
| 1.    | Dr.B.Ponni            | Tamil                        | குணமாலையர்<br>இலம்பகத்தில்<br>தொல்காப்பிய<br>களவொழுக்க<br>உணர்வுகள்         | International<br>Research<br>Journal of<br>Tamil            | UGC<br>CARE  | DOI:10.<br>34256/ir<br>jt2037                             |
| 2.    | Dr.K.Muthamil Selvi   | English                      | Sullied Human<br>Goodness in A<br>Raisin in the Sun                         | IJRAR   | UGC<br>CARE<br>listed  | Nil   |
| 3.    | Dr.V.S.Shakila        | English                      | Domestic<br>Violence and<br>Mental Agony in<br>Sudha Murthy's<br>Mahaswetha | JAC : A<br>Journal Of<br>Composition<br>Theory              | UGC<br>CARE<br>approved<br>Group II<br>Journal                 | DOI:20.<br>18001.A<br>JCT.202<br>0.V13I2<br>.20.1194<br>0 |
| 4.    | Dr.S.Sobana           | English                      | Conceptualization<br>of New Women in<br>Manju Kapur's A<br>Married Woman    | JAC : A<br>Journal Of<br>Composition<br>Theory              | UGC<br>CARE<br>approved<br>Group II<br>Journal                 | DOI:20.<br>18001.A<br>JCT.202<br>0.V13I2<br>.20.1193      |
| 5.    | Dr.V.C.Priyadharshini | English                      | Love and Identity<br>in Thakazhi<br>Sivashankara<br>Pillai"s<br>Chemmeen    | JAC : A<br>Journal Of<br>Composition<br>Theory              | UGC<br>CARE<br>approved<br>Group II<br>Journal                 | DOI:20.<br>18001.A<br>JCT.202<br>0.V13I2<br>.20.1194<br>3 |
| 6.    | Dr.S.Sobana           | English                      | Saga of Dalit<br>Women in Urmila<br>Pawar's The<br>Weave of My Life         | Kala The<br>Journal Of<br>Indian Art<br>History<br>Congress | UGC<br>CARE<br>Listed<br>Journal<br>PRINTED<br>COPY            | Nil   |
| 7.    | Dr.V.S.Shakila        | English                      | A Transgender<br>Woman's quest for<br>self completion<br>and identity : A   | Dogo<br>Rangsang<br>Research<br>Journal(print               | UGC<br>CARE<br>Group I<br>Journal                              | Nil   |

|     |                            |         | Reading of Living<br>Smile Vidya's "I<br>am Vidya: A<br>Transgender's<br>Journey"                         | only)  | PRINTED<br>COPY                    |  |
|-----|----------------------------|---------|---|--|------------------------------------|--|
| 8.  | Dr.V.S.Shakila             | English | Discrimination<br>and Oppression of<br>Race, Class and<br>Gender in Alice<br>Walker's The<br>Color Purple | Mukt Shabd<br>Journal  | UGC<br>CARE<br>Group I<br>Journal  | DOI:09.<br>0014.M<br>SJ.2020.<br>V9I5.00<br>86781.1<br>077           |
| 9.  | Dr.S.Sobana                | English | Cultural Identity And Diasporic Experience In Bharati Mukherjee's Jasmine                                 | Mukt Shabd<br>Journal  | UGC<br>CARE<br>Group I<br>Journal  | DOI:09.<br>0014.M<br>SJ.2020.<br>V9I4.00<br>86781.4<br>83            |
| 10. | Dr.V.S.Shakila             | English | Agonized self and feminine Sensitivity in Anita Desai's Where Shall We Go This Summer?                    | CLIO An<br>Annual<br>Interdisciplin<br>ary Journal of<br>History (<br>0976-075X) | UGC<br>CARE<br>Listed,<br>EDUindex | Nil  |
| 11. | Dr.J.Sobhana Devi          | English | Multiple Jeopardy<br>In Toni<br>Morrison's Sula   | The International Journal of Analytical And Experimental Modal Analysis          | UGC<br>CARE<br>Listed,<br>DOAJ     | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6735 |
| 12. | Dr.B.Siva Priya            | English | Voices of the<br>Voiceless: A<br>Study of<br>P.Sivakami's The<br>Grip of Change                           | The International Journal of Analytical And Experimental Modal Analysis          | UGC<br>CARE<br>Listed,<br>DOAJ     | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6719 |
| 13. | Dr.B.Siva Priya (Coauthor) | English | Harry Potter<br>Series: An<br>Encryption of<br>Feminine Ethics  | The International Journal of Analytical And Experimental Modal Analysis          | UGC<br>CARE<br>Listed,<br>DOAJ     | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6713 |
| 14. | Dr.B.Siva Priya (Coauthor) | English | Quest for Identity<br>in Emecheta's<br>Second Class   | The International Journal of   | UGC<br>CARE<br>Listed,             | DOI:18.<br>0002.IJ   |

|     |                           |         | Citizen   | Analytical<br>And<br>Experimental<br>Modal<br>Analysis                  | DOAJ  | AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6724                       |
|-----|---------------------------|---------|---|---|---|--|
| 15. | Mrs.M.Sathya              | English | Tradition wins<br>Modernity in Ruth<br>Prawer Jhubwala's<br>To Whom She<br>Will                         | The International Journal of Analytical And Experimental Modal Analysis | UGC<br>CARE<br>Listed,<br>DOAJ                | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6763 |
| 16. | Dr.P.Prasanna Devi        | English | Love thwarted by<br>Societal Coercion:<br>A Critical Study<br>of Perumal<br>Murugan's One<br>Part Woman | The International Journal of Analytical And Experimental Modal Analysis | UGC<br>CARE<br>Listed,<br>DOAJ                | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6718 |
| 17. | Dr.V.S.Shakila            | English | Bharati Mukherjee's Jasmine: A Journey to Self- Actualization   | Journal of<br>The Gujarat<br>Research<br>Society                        | UGC-<br>CARE List<br>Group<br>Group D         | Nil  |
| 18. | Dr.S.Sobana               | English | Threshold of Self<br>Discovery in<br>Anita Nair's<br>Ladies Coupe                                       | Journal of The Gujarat Research Society                                 | UGC-<br>CARE List<br>Group<br>Group D         | Nil  |
| 19. | Dr.V.C.Priyadharsdhin i   | English | Mystical Warmth<br>of Africa in<br>Gabriel Okara's<br>Poems   | Journal of The Gujarat Research Society                                 | UGC-<br>CARE List<br>Group<br>Group D         | Nil  |
| 20. | Dr.P.Karthika Devi        | English | A Saga of<br>unrequited love<br>and Lovelss<br>Marriages of<br>Scarlett O' Hara                         | Infokara<br>Research,   | UGC<br>CARE<br>Approved<br>Group 2<br>Journal | DOI:16.<br>10089.I<br>R.2019.<br>V8I11.2<br>85311.3<br>180           |
| 21. | Mrs.K.Rama<br>jeyalakshmi | English | Quest for<br>Indentity in Alice<br>Walker's Meridian  | The International Journal of Analytical And Experimental Modal Analysis | UGC<br>CARE<br>Listed,<br>DOAJ                | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V<br>XIII1.20<br>0001.34<br>6760 |
| 22. | Dr.J.Nandhini             | English | The Conflict  | International   | UGC   | <u>DOI:18.</u>   |

|     |                  |         | Between<br>Knowledge and<br>Power in Umberto<br>Eco's The Name<br>of the Rose  | Journal of<br>Analytical<br>and<br>Experimental<br>Modal<br>Analysis | CARE                              | 0002.IJ<br><u>AEMA.</u><br>2020.V<br><u>XIII1.20</u><br>0001.34<br>6739 |
|-----|------------------|---------|--|--|-----------------------------------|---|
| 23. | Dr.A.Padma Priya | English | The Triad Of Friendship As Motif In Select Twentieth Century Short Stories   | PalArch's<br>Journal of<br>Archaeology<br>of Egypt /<br>Egyptology   | Scopus                            | Nil   |
| 24. | Dr.R.Kalaivani   | History | Liberation of<br>Women: Activities<br>of Women's<br>Indian Association<br>in Colonial<br>Tamilnadu 1917-<br>1945                             | SSRN E-<br>Journal   | JSTOR,<br>Research<br>Gate        | Nil   |
| 25. | Dr.R.Kalaivani   | History | Vindication of the<br>Right's of<br>Women: Writings<br>of Indian Press on<br>Women's<br>Education in<br>Colonial<br>Tamilnadu –<br>1920-1947 | SSRN E-<br>Journal   | JSTOR,<br>Research<br>Gate        | Nil   |
| 26. | Dr.G.Vennila     | History | Footraces of Women in Indian Soceity for Empowerment   | Journal of<br>Modern<br>Thamizh<br>Research                          | UGC<br>CARE<br>group I<br>Journal | Nil   |
| 27. | Dr.J.Mekala Devi | History | An Analysis on<br>the position of<br>women<br>Employees in<br>Sivakasi   | Dogo<br>Rangsang<br>Reasearch<br>Journal                             | UGC<br>CARE<br>group I<br>Journal | Nil   |
| 28. | Dr.M.Kavitha     | History | Thirumalai Nayak's Contribution Towards the Enrichment of Temple City  | Dogo<br>Rangsang<br>Reasearch<br>Journal                             | UGC<br>CARE<br>group I<br>Journal | Nil   |
| 29. | Dr.G.Vennila     | History | Tamil Rennaisance and Indian National movement   | International Journal of Creative Research Thoughts                  | Cite Seer<br>X, ISSUU             | Nil   |
| 30. | Dr.J.Mekala Devi | History | An Analysis on<br>the position of<br>women in Indian   | International Journal of Creative                                    | Cite Seer<br>X, ISSUU             | Nil   |

|     |   |          | society   | Research<br>Thoughts  |  |   |
|-----|---|----------|---|---|--|---|
| 31. | Dr.J.Mekala Devi                        | History  | Contribution of Non- Governmental Organizations in the development of Virudhunagar District: An Overview    | International Journal of Research Culture Society                               | Index<br>Copernicus<br>, OAJI,<br>Cosmos                                       | Nil   |
| 32. | Dr.R.Kalaivani                          | History  | Press on the problems of Widowhood  | International Journal of Creative Research Thoughts                             | Cite Seer<br>X, ISSUU  | Nil   |
| 33. | Dr.J.Mekala Devi                        | History  | Pasumpon's<br>Humanism and<br>Humanitarianism -<br>An Overview  | International Journal of Creative Research Thoughts                             | Cite Seer<br>X, ISSUU  | Nil   |
| 34. | Dr.J.Mekala Devi                        | History  | Socio-Cultural and<br>Economic Status<br>of Kattunayakkars<br>in Dindugal<br>District - A Study             | International Journal of Reasearch and Analytical Reviews                       | UGC  | Nil   |
| 35. | Mrs.S.Rengeswari &<br>Dr.T.Palaneeswari | Commerce | Driving Force Behind The Buying Behavior Of Consumers Towards Organic Food                                  | IJAEMA: The International Journal Of Analytical And Experimental Modal Analysis | Scopus,<br>UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272 | DOI:18.<br>0002.IJ<br>AEMA.<br>2019.V1<br>1I10.20<br>8301.37<br>71  |
| 36. | Dr.N.Rajathilagam                       | Commerce | A Study On<br>Occupational<br>Hazards<br>Associated To<br>Workers In<br>Fireworks<br>Industries             | IJAEMA: The International Journal Of Analytical And Experimental Modal Analysis | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272            | DOI:18.<br>0002.IJ<br>AEMA.<br>2019.V1<br>119.208<br>301.785<br>935 |
| 37. | Dr.S.Grahalakshmi                       | Commerce | An Empirical<br>Study On Banking<br>Capital Flows Into<br>India During The<br>Post Liberalisation<br>Period | IJAEMA:<br>The<br>International<br>Journal Of<br>Analytical<br>And              | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272            | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>2I2.200<br>001.015        |

|     |  |          |  | Experimental<br>Modal<br>Analysis   |  | 394   |
|-----|--|----------|--|---|--|---|
| 38. | Dr.A.Vijaya Shree                                  | Commerce | Dimensions Of<br>Quality Of Work<br>Life: A Review Of<br>Literature                  | IJAEMA: The International Journal Of Analytical And Experimental Modal Analysis | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272                      | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>2I2.200<br>001.015<br>434 |
| 39. | Dr.R.Jeyalakshmi                                   | Commerce | Role Of<br>Entrepreneurs In<br>Building A Global<br>Green Economy                    | IJAEMA: The International Journal Of Analytical And Experimental Modal Analysis | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272                      | DOI:18.<br>0002.IJ<br>AEMA.<br>2019.V1<br>1I9.208<br>301.785<br>914 |
| 40. | Ms.S.Subalakshmi                                   | Commerce | An study on hrm<br>practices of<br>employees on<br>printing industry<br>in sivakasi" | International journal of scientific research and engineering development        | Internation<br>al Peer<br>Reviewed<br>Open<br>Access<br>Multidiscip<br>linary<br>Journal | IJSRED<br>-<br>V2I6P5<br>1  |
| 41. | Mrs.S.Thazhai<br>Pushpam                           | Commerce | A Study on<br>Passengers<br>Satisfaction<br>Towards Railway<br>Services              | An International Multidiscipli nary Quarterly Research Jounal                   | Peer<br>Reviewed<br>Referred<br>and UGC<br>Listed<br>Journal<br>(Journal<br>No.40776)    | Journal<br>No.<br>40776,<br>Impact<br>factor<br>5.5                 |
| 42. | Dr.A.Josephine Stella                              | Commerce | Quality of Worklife of Teachers working in Colleges of Eductaion in Tamil Nadu       | The Indian<br>Economic<br>Journal   | UGC<br>CARE list -<br>GROUP I  | E-<br>2631-<br>617X   |
| 43. | Dr.A.Josephine Stella<br>& Dr.K.Sounthara<br>Priya | Commerce | A Study on<br>Customer<br>Perception<br>towards PayTM                                | The International Journal of Analytical and Experimental Modal                  | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272                      | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>2I2.200<br>001.015<br>306 |

|     |  |             |  | Analysis  |  |   |
|-----|--|-------------|--|---|--|---|
| 44. | Mrs.R.Maheswari &<br>Mrs.R.Suriya Devi | Commerce    | Attitude of the<br>Policyholders<br>towards Child Life<br>Insurance Plans in<br>Sivakasi                           | The International Journal of Analytical and Experimental Modal Analysis         | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272            | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>2I2.200<br>001.015<br>463 |
| 45. | Dr.J.Jeeva Priya                       | Commerce    | A Study on<br>Performance<br>Evaluation of<br>Growth of SIDCO<br>Industrial Estates<br>in Virudhunagar<br>District | The Intenational Journal of Analytical and Experimental Modal Analysis          | UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272            | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>2I2.200<br>001.015<br>431 |
| 46. | Mrs.A.Sathya &<br>Dr.K.Rajeswari       | Commerce    | Quality Of Worklife Of Women Workers - A Study With Reference To Textile Units                                     | IJAEMA: The International Journal Of Analytical And Experimental Modal Analysis | Scopus,<br>UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36272 | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>212.200<br>001.015<br>305 |
| 47. | Dr.S.Deepa & Dr.<br>S.Thazhai Pushpam  | Commerce    | Dealers Perception<br>Towards<br>Marketing Of<br>Tantea Products   | IJAEMA: The International Journal Of Analytical And Experimental Modal Analysis | Scopus,<br>UGC-<br>CARE<br>Group 'II'<br>Journals<br>list -Serial<br>No. 36273 | DOI:18.<br>0002.IJ<br>AEMA.<br>2020.V1<br>212.200<br>001.015<br>395 |
| 48. | Dr.A.Muthuselvi                        | Mathematics | On Majority Total<br>Domination in<br>Graphs   | Utilitas<br>Mathematica   | Scopus,<br>Index<br>Copernicus   | Nil   |
| 49. | Dr.A.Mydeen Bibi                       | Mathematics | Inverse Domination Cover Number of Middle and central graph of certain Graphs                                      | CIKITUSI<br>Journal of<br>Multidiscipli<br>nary                                 | Research Gate, Index Copernicus  | DOI:16.<br>10089.C<br>JMR.20<br>19.V6I5<br>.19.2989                 |
| 50. | Dr.A.Mydeen Bibi                       | Mathematics | Inverse<br>Domination Cover<br>Number of Graphs  | Inter national<br>Journal of<br>Research  | UGC<br>Approved,<br>Index<br>Copernicus<br>, J Gate                            | DOI:16.<br>10089.IJ<br>R.2018.<br>V8I4.28<br>5311.23<br>5244        |
| 51. | Dr.A.Mydeen Bibi                       | Mathematics | K-Contra   | International   | <u>Index</u>   | Nil   |

|     |                       |             | Harmonic Mean<br>Labeling of Some<br>Graphs  | Journal of<br>Scientific<br>research and<br>reviews  | Copernicus<br>, SCIRUS   |   |
|-----|-----------------------|-------------|--|--|--|---|
| 52. | Dr.P.Santhi           | Mathematics | A study of Almost<br>Contra (b, mu)-<br>Continuous<br>Functions in<br>Generalized<br>Topological<br>Spaces   | Journal of<br>Information<br>and<br>Computation<br>al Science  | Scopus,<br>DOAJ,<br>UGC<br>CARE<br>approved<br>Group-II<br>Journal | DOI:10.<br>12733.JI<br>CS.2019<br>.V919.5<br>35569.1<br>020       |
| 53. | Dr.P.Vimala Devi      | Mathematics | On H- hyper<br>Connected Spaces  | Journal of<br>Physical<br>Sciences   | Google<br>Scholar,<br>OAlster                                      | Nil   |
| 54. | Dr.R. Sudha Periathai | Physics     | Investigation on<br>synthesis of SnO <sub>2</sub><br>nano-particles<br>using sol—gel<br>process for energy<br>storage application                              | Australian<br>Journal of<br>Electrical and<br>Electronics<br>Engineering                             | Scopus,<br>PubMed  | https://d<br>oi.org/1<br>0.1080/<br>1448837<br>X.2020.<br>1786294 |
| 55. | Dr.S.Jayanthi         | Physics     | Influence of nano SrTiO <sub>3</sub> and ultrasonic irradiation on the properties of polymer blend electrolytes  | Journal<br>Polymer-<br>Plastics<br>Technology<br>and Materials                                       | Scopus,<br>PubMed,<br>Web of<br>Science                            | https://d<br>oi.org/1<br>0.1080/<br>2574088<br>1.2020.1<br>784220 |
| 56. | Dr.R.Sudha Periathai  | Physics     | Structural, Electrical, and Electrochemical Characterization of Li1.2Ni0.6-xMgx Co0.3O <sub>2</sub> Cathode Materials for Application in Lithium-Ion Batteries | Journal of<br>Electronic<br>Materials  | Scopus,<br>UGC-<br>CARE List                                       | https://d<br>oi.org/1<br>0.1007/s<br>11664-<br>020-<br>08445-8    |
| 57. | Dr.B.Sivasankari      | Physics     | Synthesis and<br>Characterization<br>of a NLO crystal-<br>bis (thiourea) zinc<br>sulphate doped<br>with L-malic acid   | S-JPSET<br>(SAMRIDD<br>HI: A Journal<br>of Physical<br>Sciences,<br>Engineering<br>and<br>Technology | Cross ref<br>I2Google<br>scholar                                   | https://d<br>oi.org/1<br>0.18090<br>/samridd<br>hi.v11i0<br>1.10  |
| 58. | Mrs.M.Nithya          | Physics     | Eco-friendly<br>biopolymer kappa<br>carrageenan with<br>NH <sub>4</sub> Br application   | Materials<br>Letters   | Scopus,<br>Science<br>Citation<br>Index                            | https://d<br>oi.org/1<br>0.1016/j<br>.matlet.2                    |

|     |                              |                          | in energy saving battery   |   |   | <u>019.127</u><br><u>295</u>   |
|-----|------------------------------|--------------------------|--|---|---|--|
| 59. | Dr.N.Uma sangari             | Chemistry                | Phototcatalytic<br>removal of crystal<br>violet dye using<br>ZnO under UV<br>light   | Pollution<br>Research   | Scopus,<br>UGC-Care<br>List                                   | Nil  |
| 60. | Mrs. A.P.Gowsalya<br>Devi    | Botany                   | Distillery effluent induced changes in the growth and pigment content in Trigonella foenum-graecum L.  | Interdisciplin<br>ary<br>International<br>science<br>journal,<br>Environment<br>and Ecology | NAAS<br>Rating is<br>4.18                                     | https://w<br>ww.cab<br>direct.or<br>g/cabdir<br>ect/abstr<br>act/2020<br>3081397 |
| 61. | Dr.K.Geetha                  | Botany                   | TLC and GC –<br>MS analysis of<br>Gloriosa superba<br>L.   | International<br>journal of<br>advanced<br>research<br>(IJAR)                               | Cross ref   | http://dx<br>.doi.org/<br>10.2147<br>4/IJAR0<br>1/9414                           |
| 62. | Dr.C.Devi Arockia<br>Vanitha | Computer<br>Science      | Clustering of<br>Association Rules<br>on Microarray<br>Gene Expression<br>Data   | Advanced<br>Computing<br>and<br>Intelligent<br>Engineering                                  | DBLP,<br>SCImago  | https://d<br>oi.org/1<br>0.1007/<br>978-<br>981-15-<br>1081-<br>6_8              |
| 63. | Dr.A.Bamini                  | Computer<br>Applications | Optimized Food<br>Delivery Network<br>based on Spacial<br>Crowdsourcing  | International<br>Journal of<br>Engineering<br>Research and<br>Applications                  | UGC<br>Approved   | Nil  |
| 64. | Dr.S.Radha                   | Microbiology             | Optimized parameters using Box-Behnken design Methodology facilitate Enhanced Phenol degradation of Bacillus cereus PB1 by Immobilization and Adsorption | Environment<br>Quality<br>Management  | UGC<br>CARE Rec.<br>No<br>500016030<br>1, Scopus              | https://d<br>oi.org/1<br>0.1002/t<br>qem.217<br>08                               |
| 65. | Dr.A.Karthika                | Microbiology             | Cellulolytic Bacteria Isolation, Screening and Optimization of enzyme Production from Vermicompost of  | Journal of<br>Waste<br>Management   | UGC<br>CARE reg<br>no. 26490,<br>Scopus,<br>Web of<br>Science | https://d<br>oi.org/1<br>0.1016/j<br>.wasma<br>n.2020.0<br>6.036                 |

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|-----|--------------------------------------|-----------------------------------|--|---|--|---|
| 66. | Dr.S.Radha                           | Microbiology                      | Enhancement of Lycopene Extraction from Tomato peels using Cellulase of Bacillus cereus  | Journal of<br>Emerging<br>Technologies<br>and<br>Innovative<br>Research | DOAJ                                     | Nil                                       |
| 67. | Dr.S.Radha and<br>B.Thirumalaiyammal | Microbiology                      | Efficacy of fish effluent recycling system for improving growth performance of tilapia (Oreochromis niloticus L.) with probiotic supplemented feed | The Pharma<br>Innovations   | Index<br>Copernicus<br>Internation<br>al | Nil                                       |
| 68. | A.Sutha                              | Costume<br>Design and<br>Fashion  | Characterization<br>ofNatural Fibers<br>Extracted from<br>Banana<br>Inflorescence<br>Bracts  | Journal of natural fibers   | Scopus                                   | 10.1080<br>/154404<br>78.2020.<br>1764437 |
| 69. | Dr.M.Yasmin                          | Information<br>Resource<br>Center | Digital Archives<br>and Needs of E-<br>Resources in<br>Management<br>Libraries During<br>Covid-19  | Journal of<br>Information<br>and<br>Computation<br>al Science           | Scopus                                   | Nil                                       |
| 70. | Dr.M.Yasmin                          | Information<br>Resource<br>Center | Quality of Information Literacy and ICT Skills among the Women Students in two Women's Universities at Tamilnadu, India: A Study                   | Library<br>Philosophy<br>and Practice<br>(e-journal)                    | Scopus                                   | Nil                                       |
| 71. | Dr.M.Yasmin                          | Information<br>Resource<br>Center | Research developing in Indian Universities: A Bibliometric analysis of publication in Scopus   | International Journal of Civil Engineering and Technology (IJCIET)      | Scopus                                   | Nil                                       |
| 72. | Dr.M.Yasmin                          | Information<br>Resource<br>Center | A Review of<br>Scholarly<br>Publications by<br>Avinashilingam  | Library<br>Progress   | UGC<br>Approved                          | DOI:<br>10.5958<br>/2320-<br>317X.20      |

|     |             |                                   | Institute for Home<br>Science and<br>Higher Education<br>for women,<br>Coimbatore<br>Tamilnadu: Indian<br>Citation Indexed<br>Based Study                   |   |               | 19.0001<br>9.9 Print<br>version<br>0970<br>1052UG<br>C<br>CARE<br>B |
|-----|-------------|-----------------------------------|---|---|---------------|---|
| 73. | Dr.M.Yasmin | Information<br>Resource<br>Center | Information Literacy among the women teaching faculty members working in Research and Academic institutions affiliated by Bharathiar University, Coimbatore | Library<br>Philosophy<br>and Practice<br>(e-journal)                                | Scopus        | Nil   |
| 74. | Dr.M.Yasmin | Information<br>Resource<br>Center | Research on<br>Indian Journal of<br>Fiber and Textile<br>Research: A<br>Scientometrics<br>Study Conducted<br>During 2013-2017                               | International Journal for Research in Engineering Application & Management (IJREAM) | UGC<br>CARE B | Nil   |
| 75. | Dr.M.Yasmin | Information<br>Resource<br>Center | Information Literacy among the Women Students in Government Arts and Science Colleges Affiliated by University of Kerala                                    | Studies in<br>Indian Place<br>Names (UGC<br>CARE<br>Journal)                        | UGC care      | Nil   |
| 76. | Dr.M.Yasmin | Information<br>Resource<br>Center | Information Seeking Behavior of Management Students in Madras   | Studies in<br>Indian Place<br>Names (UGC<br>CARE<br>Journal)                        | UGC Care      | Nil   |

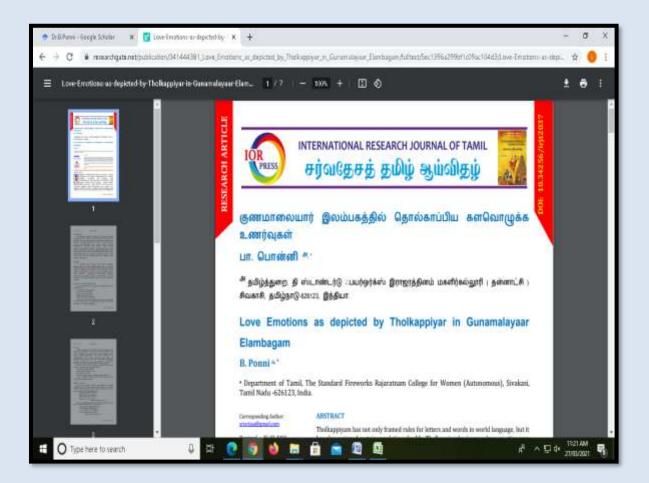


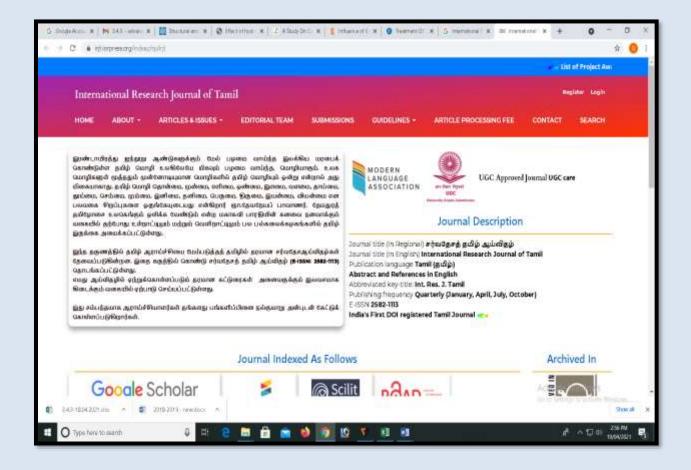
(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.B.Ponni

Title of the Paper : குணமாலையர் இலம்பகத்தில்

தொல்காப்பிய களவொழுக்க உணர்வுகள்



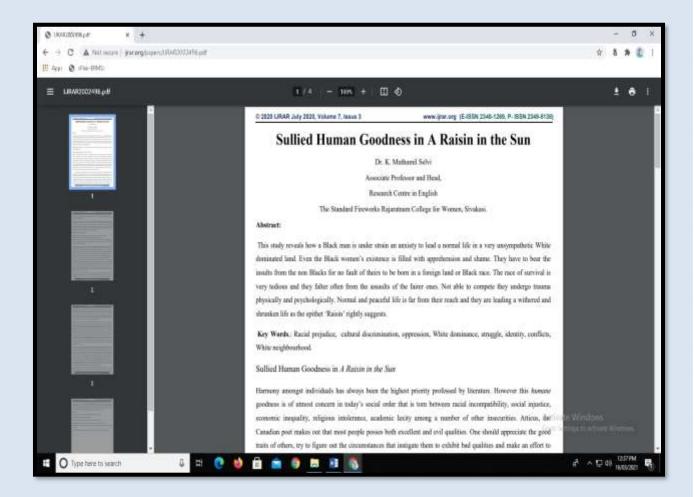


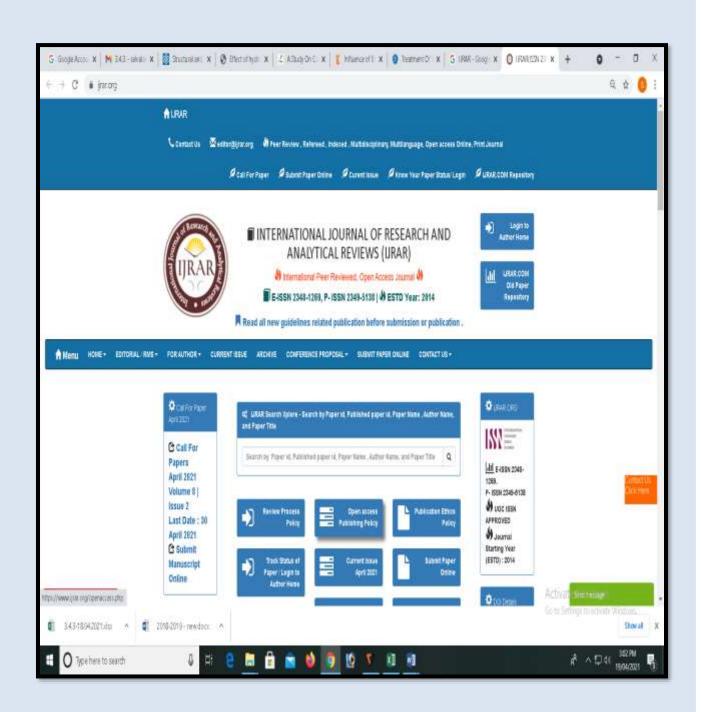


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Name of the Author : Dr.K.Muthamil Selvi

Title of the Paper : Sullied Human Goodness in A Raisin in the Sun





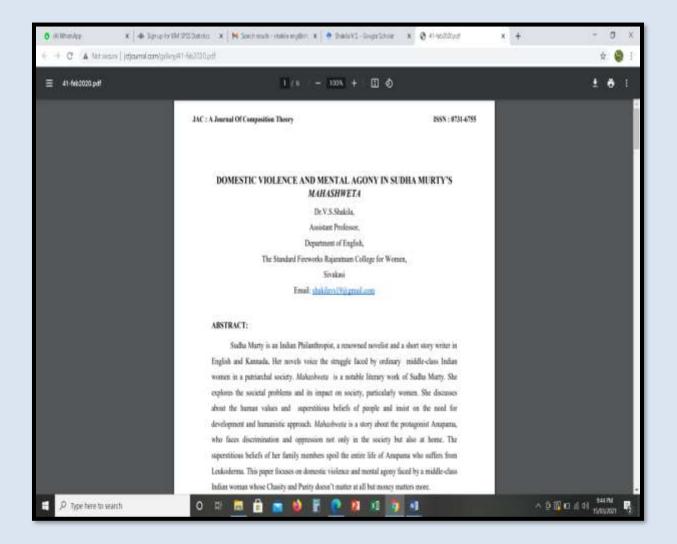


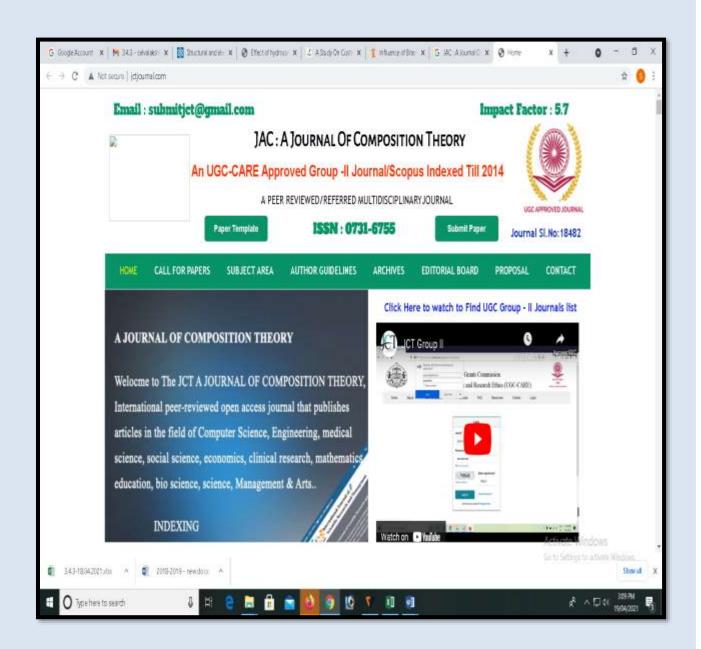
(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.V.S.Shakila

Title of the Paper : Domestic Violence and Mental Agony in Sudha

Murthy's Mahaswetha





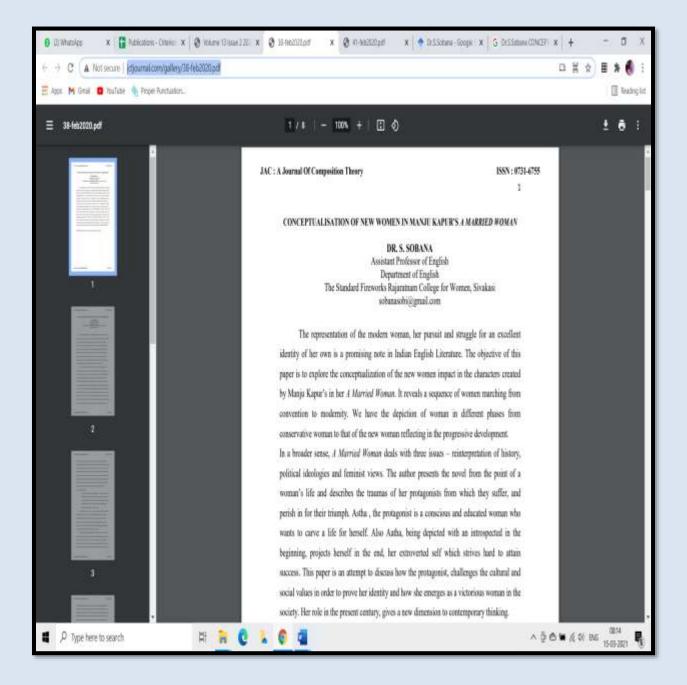


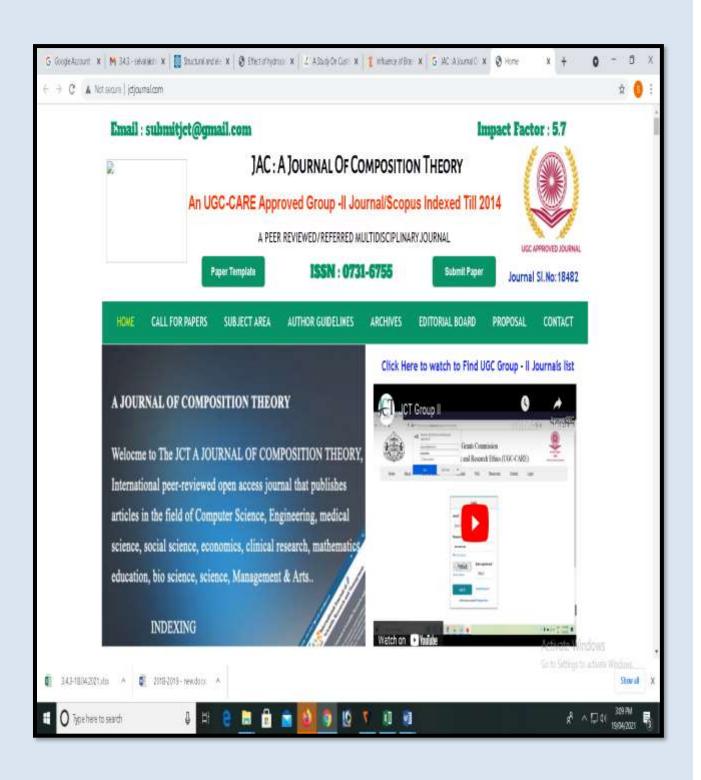
(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.S.Sobana

Title of the Paper : Conceptualization of New Women in Manju

**Kapur's A Married Woman** 





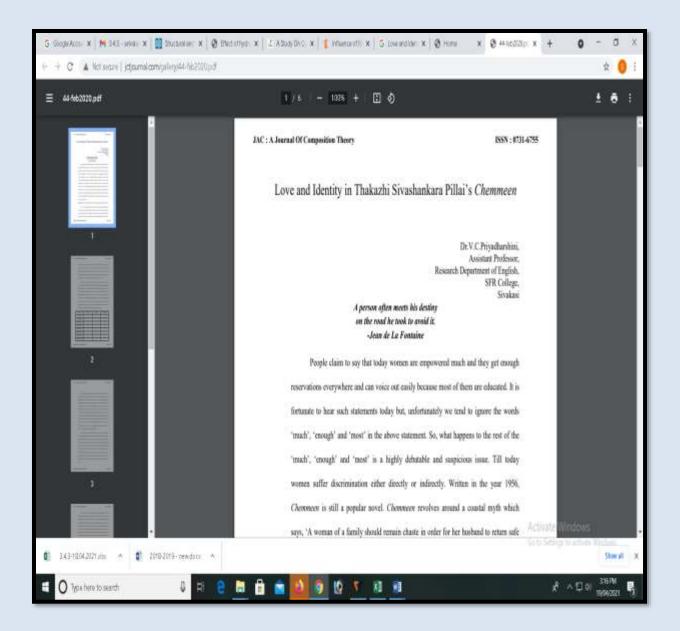


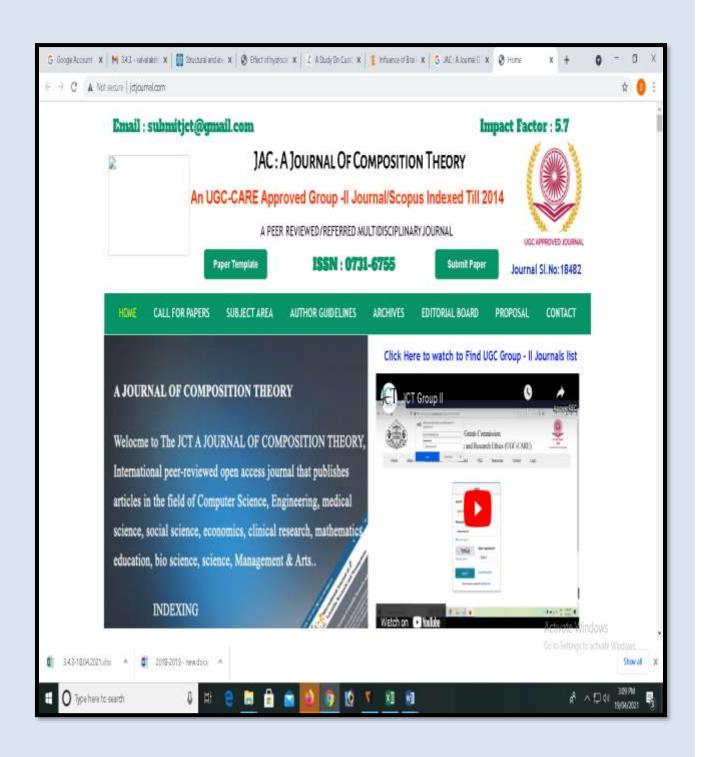
(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.V.C.Priyadharshini

Title of the Paper : Love and Identity in Thakazhi Sivashankara Pillai's

Chemmeen





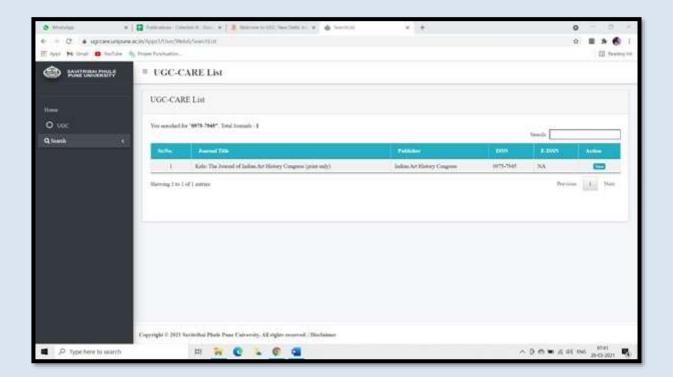


(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.S.Sobana

Title of the Paper : Saga of Dalit Women in Urmila Pawar's The Weave of My

Life





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Name of the Author : Dr.V.S.Shakila

Title of the Paper : A Transgender Woman's quest for self completion and

identity: A Reading of Living Smile Vidya's "I am Vidya: A

Transgender's Journey"





(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.V.S.Shakila

Title of the Paper : Discrimination and Oppression of Race, Class and

Gender in Alice Walker's The Color Purple





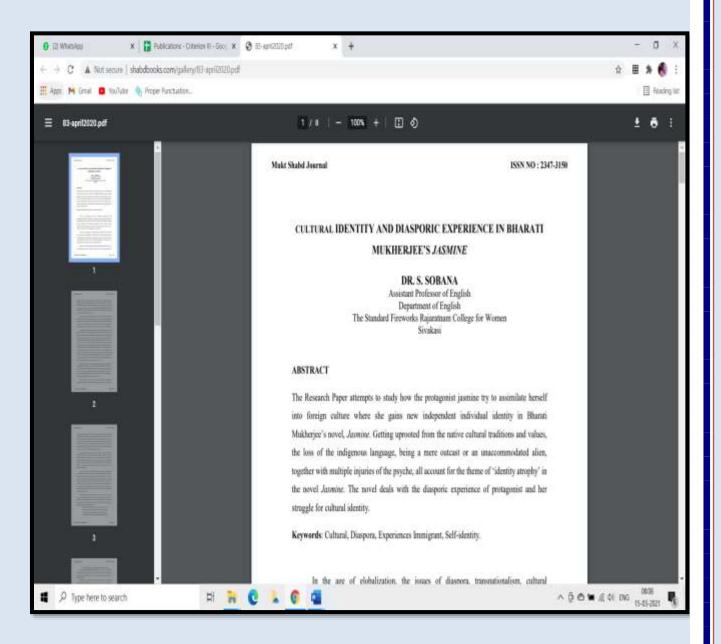


(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author : Dr.S.Sobana

Title of the Paper : Cultural Identity And Diasporic Experience In

Bharati Mukherjee's Jasmine





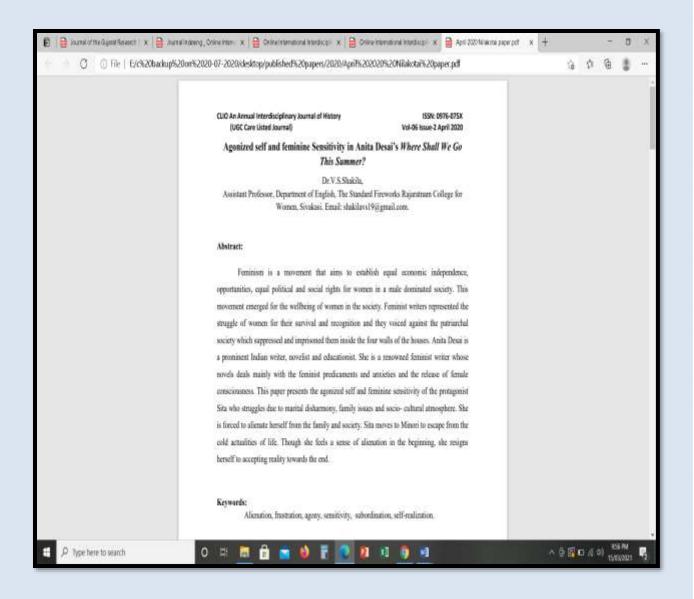


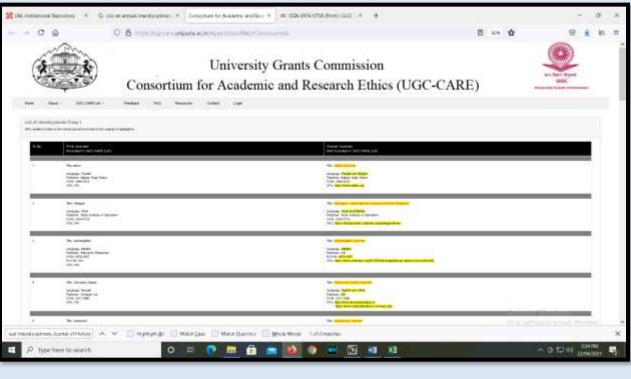
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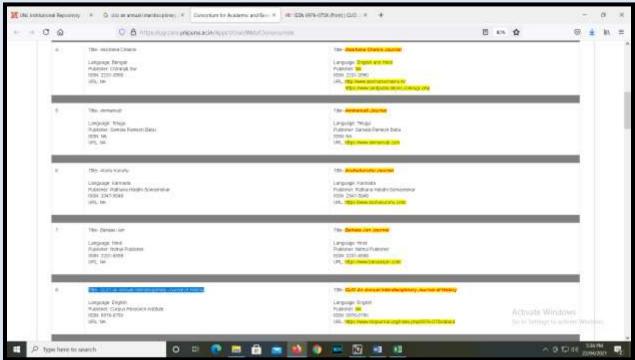
Name of the Author : Dr.V.S.Shakila

Title of the Paper : Agonized self and feminine Sensitivity in Anita

Desai's Where Shall We Go This Summer?





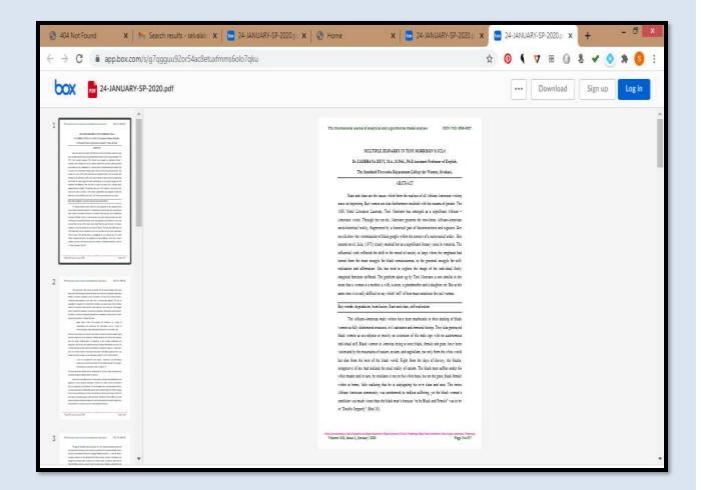


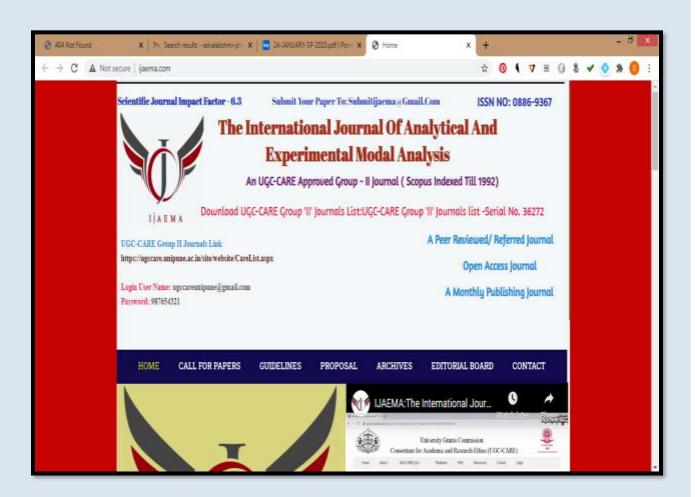


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Name of the Author : Dr.J.Sobhana Devi

Title of the Paper : Multiple Jeopardy In Toni Morrison's Sula







(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author Title of the Paper

: Dr.B.Sivapriya

: Voices of the Voiceless: A Study of P.Sivakami's The

**Grip of Change** 

The International journal of analytical and experimental modal analysis

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#### VOICES OF THE VOICELESS: A STUDY OF P.SIVAKAMI'S THE GRIP OF CHANGE

Dr. B.Siva Priya M.A., M.Phil., Ph.D., Assistant Professor of English, The Standard Fireworks Rajaratnam College for Women, Sivakasi

#### ABSTRACT

Dalit Literature is precisely that literature which artistically portrays the sorrows, tribulations, slavery, degradation, ridicule, and poverty endured by Dalits. The Dalit writers have the vision of removing untouchability and establishing equality. Upholding this vision many Dalit writers willingly head towards championing the cause of their brethren. P. Sivakami's The Grip of Change attempts to explicate the harrowing experiences of the Dalits especially Dalit women and their struggle in accelerating towards emancipation and equality in the nation at large. In The Grip of Change, the women characters Thangam, Gowri and many other characters experience the caste bias and gender discrimination. This paper titled "Voices of the Voiceless: A Study of P. Sivakami's The Grip of Change" attempts to highlight how Dalit women who are abused by the men of their own community and also at the hands of upper caste men voice forth for their liberation.

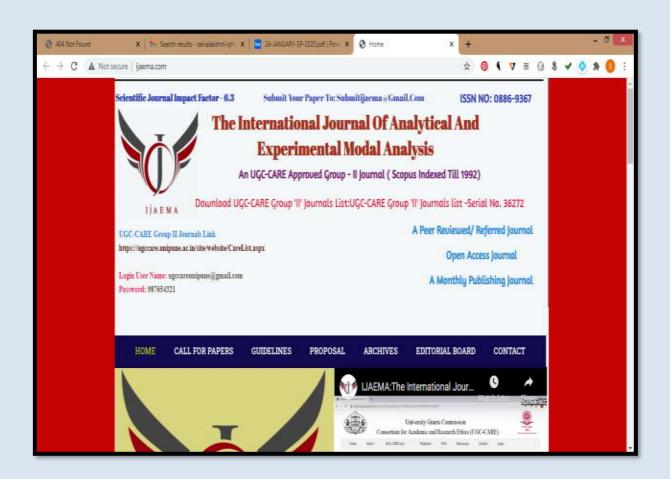
Keywords: sorrows, poverty, untouchability, emancipation

Dalit Literature gains a new significant identity of modern Indian literature. It is the symbol of distinctive Indian creativity and thus has an easy passage to the corridors of world literature. Today it holds a place of its own in the global scenario and appears perfectly as indigenous literature. It mirrors the Dalit psyche, voicing the hopes and fears, visions and confusions, doubts and certainties. Tamil Dalit Literature is characterized by the call for self-identity and assertion. It tramples all conventions with its intensely personal expression. Dalit women writers are those who are born and brought up in misery, discrimination and adversity and come out stronger through their books and activism. P.Sivakami is one of the earliest Tamil Dalit writers to draw attention to the dual oppression of Dalit women on account of gender and caste at the hands of upper caste men and Dalit men. She was initially an I.A.S. officer, but gave up her job to become a full time writer in 2008. Her first book, Paxhayama Kazhidalum (1988)

ational Level Conference on Social Perspectives and Linguistic Description in English Literature (JAN 2010), Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar

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Name of the Author Title of the Paper

: Dr.B.Sivapriya

: Harry Potter Series: An Encryption of Feminine

**Ethics** 

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

#### HARRY POTTER SERIES: AN ENCRYPTION OF FEMININE ETHICS

Mrs.M.Akila<sup>1</sup>, Assistant Professor of English, Ayya Nadar Janaki Ammal College, Sivakasi

Dr.B. SivaPriya:, Assistant Professor of English, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### ABSTRACT

J.K. Rowling's Harry Potter series is a book for both children and adults. It teaches as well as delights readers through its fantasy fiction. Harry potter series is noted for its various themes. J.K.Rowling, the master mind behind this series of seven well reputed books that became the best seller fiction of all times, has penned her imagination that has resulted in various thematic studies. Harry Potter Series is thought to be a fiction that is meant only for children and some categorise it under pulp fiction. Whatever people claim regarding Harry Potter Series, it can be analysed in different perspectives. Though Harry Potter Series focuses on the protagonist "Harry Potter" whose name represents the title of series, it has got plenty of women characters who help Harry Potter in winning his opponent Lord Voldemort. These women characters in portraying their uniqueness encode the feminine ethics which are praiseworthy. The women characters in Harry Potter Series enfold all the age group and hence it stands as a collective portrayal of women. J.K.Rowling (Joanne Rowling) has acknowledged that she has written Harry Potter series in her pen name, because she was asked to do so by the publishers. There was a belief among the readers that the writings of women won't be interesting when compared to that of men. So Joanne Rowling chose her grandmother's name 'Kathleen' as a second initial to her name to satisfy her men readers' attitude. But she penned her women characters exclusively, so that even her men readers' were entrapped by those fictitious women characters. This paper is an attempt to study the women characters of Harry Potter Series.

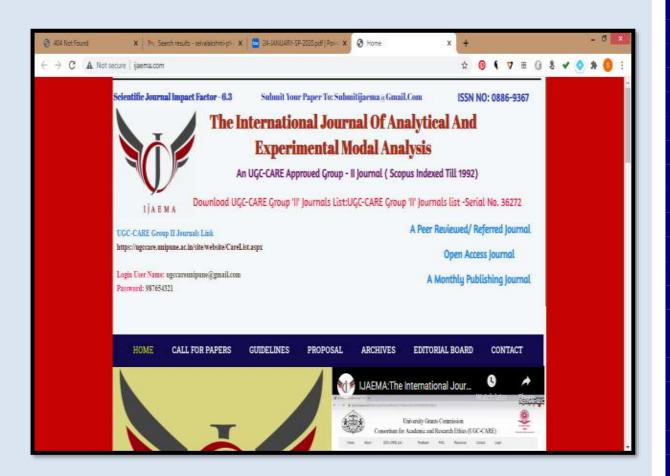
Keywords: fantasy, Witchcraft, magic, feminine

Harry Potter is a boy who lived because of his mother Lily Potter. His mother was a woman who bound him with her love that acted as a shield in protecting Harry from the powerful evil wizard Lord Voldemort. When Voldemort tried to kill Harry, his death spell repelled and

ional Lovd Conference on Social Ferspectives and Linguistic Descriptics in English Literature (JAN 1800), Virudhunagar Hindu Nadars' Senthibumara Nadar College (Autonomous), Virudhunagar

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Name of the Author : Dr.B.Sivapriya

Title of the Paper : Quest for Identity in Emecheta's Second Class

Citizen

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#### QUEST FOR IDENTITY IN EMECHETA'S SECOND CLASS CITIZEN

I.Kanaga Priya<sup>1</sup>, Ph.D Research Scholar – Part Time, Madurai Kamaraj University

Dr.B.Siva Priya<sup>2</sup>, Assistant Professor of English, The Standard Fireworks Rajaratnam

College for Women, Sivakasi

#### ABSTRACT

Buchi Emecheta is one of the most gifted and prolific novelists known for her strong voice against all types of oppression and marginalization faced by female in the patriarchal society. As a female writer, Emecheta raises her voice against the oppression of women especially for the black women and she rescued the women from their enslavement. In her novels, all her female characters show the initial patience, meekly undergo suppression and suffer agony caused by male authority and yet they break all the chains and constricting traditions of their social set-up and marched their journey in search of self-respect and self-identity. Similarly in her novel Second Class Citizen, the protagonist Adah Obi faced the double jeopardy as she was being a black and female in the white racial society. Later at the end of the novel, Emecheta made her protagonist Adah to break away all the chains of slavery and moved towards freedom with a new hope and energy by attaining her self-identity and self-respect. Thus through her female character Adah, Emecheta showed women how to face problems boldly in their life and also she created awareness that women can triumph over everything impossible with their confidence and determination and they can emerge as a new women in the patriarchal society.

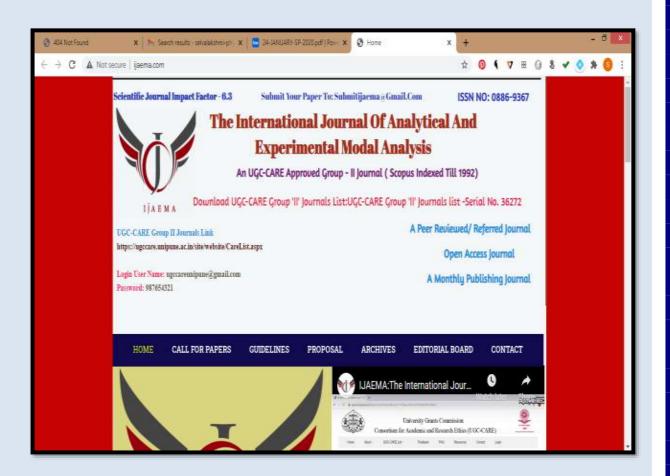
Keywords: Discriminations, Sufferings, Challenges, education, self-identity.

African literature is the literature which developed from Oral literature to written literature. It received its universal acknowledgement once the African people started to write about their sufferings in their works. But men failed to expose how women are suppressed in the society in their works. So women from all over the world came forward and raised their voice against men and their actions towards women through their writings. African women authors such as Flora Nwapa, Buchi Emecheta, Mariama Ba, Ama Ata Aidoo, Mabel Segun, Efua

tational Level Conference on Social Perspectives and Linguistic Descrities in English Literature (JAN 2020), Virudhunagar Hindu Nadars' Senthikumara Nadar College (Autonomous), Virudhunagar

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Name of the Author : M Title of the Paper : T

: Mrs.M.Sathya

: Tradition wins Modernity in Ruth Prawer

**Jhubwala's To Whom She Will** 

The International journal of analytical and experimental modal analysis

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#### TRADITION WINS MODERNITY IN RUTH PRAWER JHABVALA'S

TO WHOM SHE WILL

Mrs. M.Sathya M.A., M.Phil, Assistant Professor of English, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### ABSTRACT

Indian women were covered with a thick, slay-layers of prejudice, convention, ignorance and reticence in literature as well as in life too. The impact of modern western ideology was seen at many levels of Indian life after independence. Jhabvala has shown characters who conform to Indian traditions and institutions; on the other hand, like Jane Austen, she goes to the extend of delineating characters who are individualistic and expressive in their attitudes to social problems and especially those concerning matrimony and the choice of a husband or a wife. The Matrimonial crisis is dramatized through the predicaments of Hari and Amrita, Sushila and Krishna and the complex tangle of their human relationships. Amrita, the attractive, self-willed maiden makes a bold, through fruitless, attempt to marry for love. She tries "to give herself to whom she will" but doesn't succeed. Marriage is thus, one of the necessary bonds of human life which basically rests on the proper understanding between husband and wife. It is this very relationship which helps marriage to exist in this world. The error known as 'misunderstanding' is largely responsible for the matrimonial crisis. Jhabvala presents in her novel with minute details about the people and their problems.

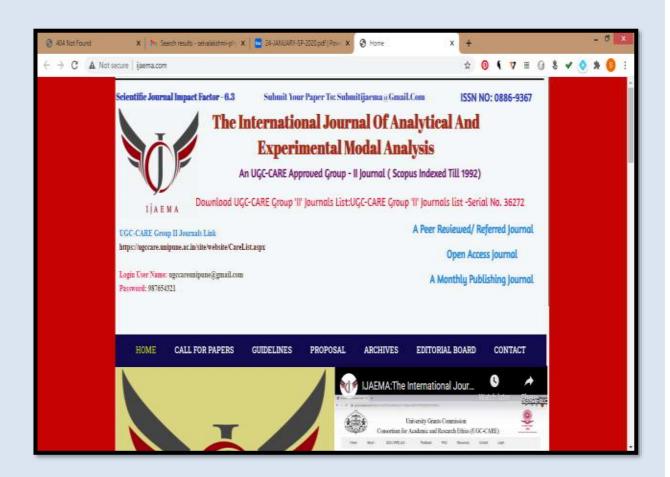
Keywords: prejudice, convention, ignorance, delineate

The women novelists show a variety of their own, under the influence of their nativity and the Geographical stations from where they work. Indian women were covered with a thick, slay-layers of prejudice, convention, ignorance and reticence in literature as well as in life too. The impact of modern western ideology was seen at many levels of Indian life after independence.

She handles her themes with dazzling assurance and presents penetrating and compassionate picture of human relationship ironically and realistically. The first novel To Whom She Will treats the theme of disillusionment in its gentlest and most benign form. There is

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Name of the Author Title of the Paper : Dr.P.Prasanna Devi

: Love thwarted by Societal Coercion: A Critical

Study of Perumal Murugan's One Part Woman

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#### LOVE THWARTED BY SOCIETAL COERCION: A CRITICAL STUDY OF PERUMAL MURUGAN'S ONE PART WOMAN

Dr. P. Prasanna Devi., M.A., M.Phil., Ph.D., Assistant Professor of English, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### ABSTRACT

Throughout different eras, locales and cultures, women are being treated as second-grade citizens. The social stratification has assigned a secondary position to women and the cultural pressure has put women to bear the male-domination. India, the birth place of the grand religion Hinduism, follows the practice of worshiping female deities. Lord Shiva, worshipped by majority of the Hindus, in one of his divine forms appears as Ardhanareeswarar – half-male and half-female. It is sad to note that the society that worships Ardhanareeswarar indulges in the suppression of women. The research article intends to analyse how the society thwarts the pure passion between a man and a woman and how it perpetrates the physical, moral and intellectual coercion of women by examining the character of Ponna in Perumal Murugan's novel One Part Woman.

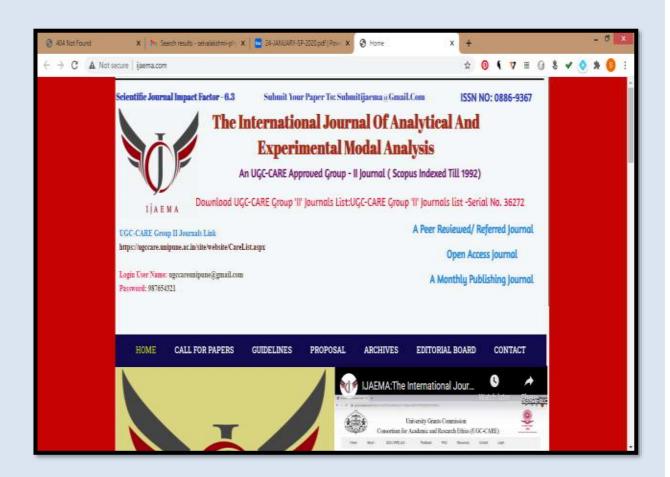
Keywords: Patriarchy, societal oppression, man-woman relationship, childlessness

India, though a land of multiple religions and rituals, has the Hindus as mainstream population. Lord Shiva is worshipped by majority of the Hindus. In all of his various divine forms, the unique and the special one is the form of Ardhanareeswarar – half-male and half-female. There is an ancient temple in Tiruchengode, in the state of Tamil Nadu, which is dedicated to the rare form of Lord Shiva. The deity here is also known as Madhorubagan (one part woman) and Ammaiyappan (mother-father). The Lord has granted the left side of His body to His consort Parvathi for an integrated worship of his devotees and thereby has established the Divine equality between man and woman. The question that prevails is that how much space and liberty has been given to women by the society that worships Lord Ardhanareeswarar.

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Name of the Author : Dr.V.S.Shakila

Title of the Paper : Bharati Mukherjee's Jasmine: A Journey to Self-

**Actualization** 



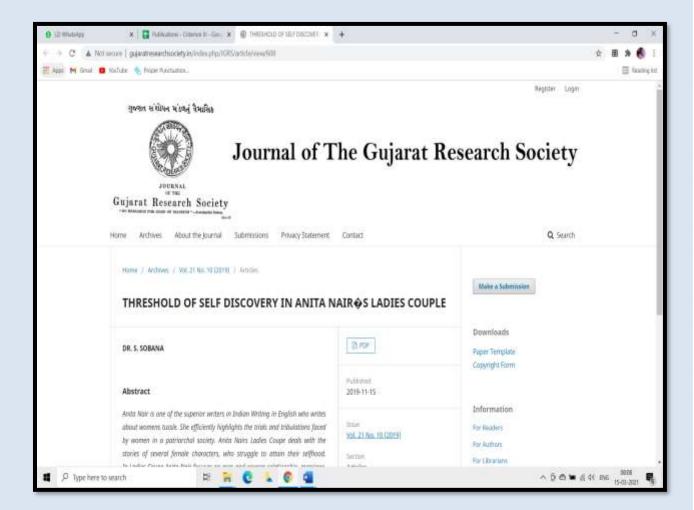




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Name of the Author : Dr.S.Sobana

Title of the Paper : Threshold of Self Discovery in Anita Nair's Ladies Couple



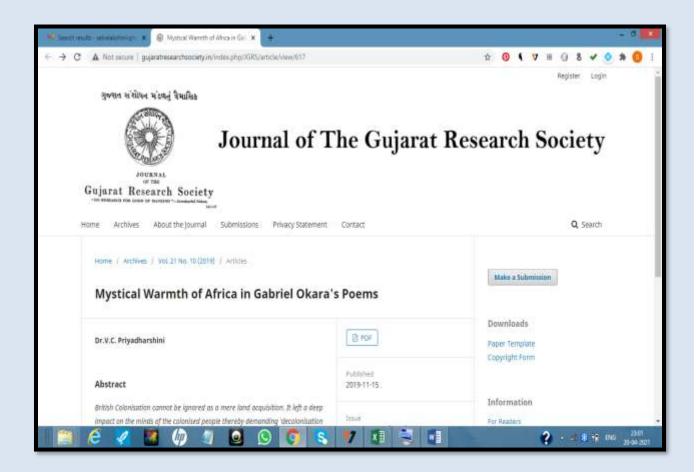




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Name of the Author : Dr.V.C.Priyadharshini

Title of the Paper : Mystical Warmth of Africa in Gabriel Okara's Poems







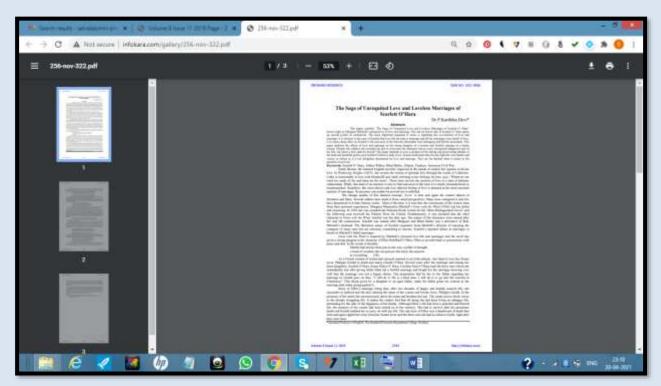
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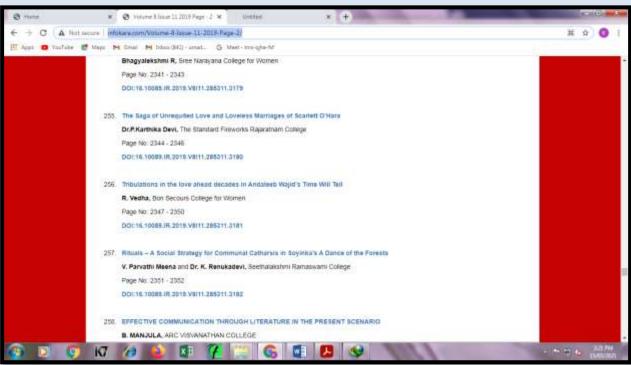
Name of the Author : Dr.P. Karthiga Devi

Title of the Paper : A Saga of unrequited love and Lovelss Marriages of

Scarlett O' Hara







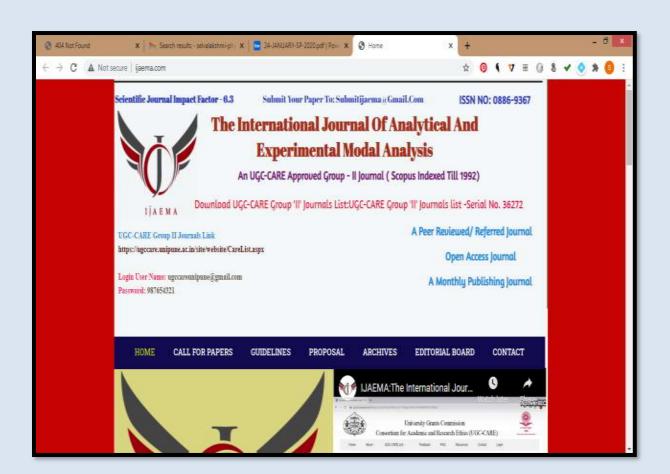


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Name of the Author : Mrs.K.Ramajeyalakshmi

Title of the Paper : Quest for Indentity in Alice Walker's Meridian





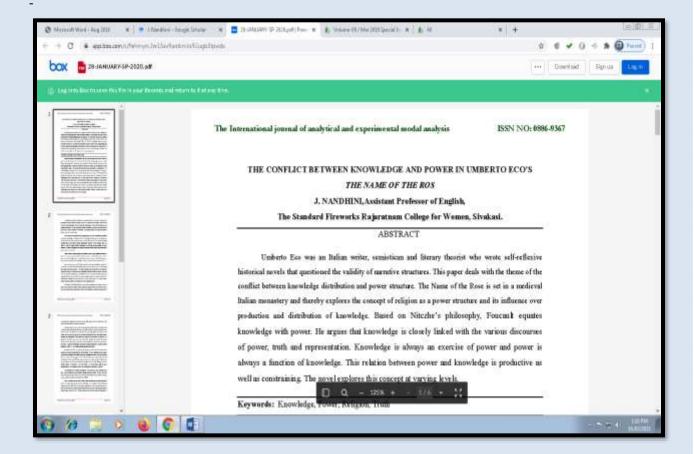


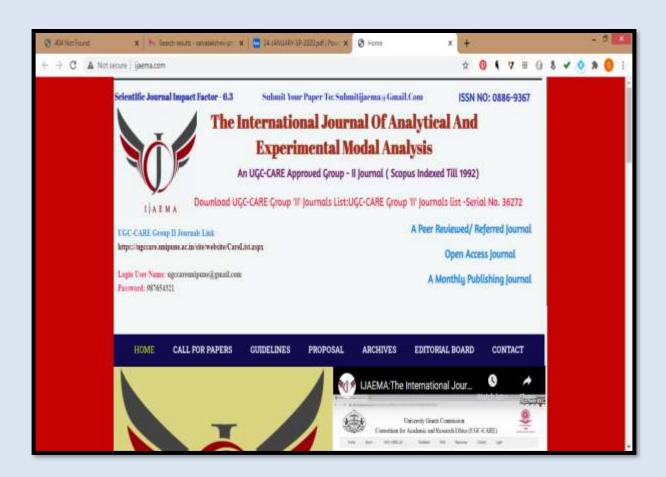
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Name of the Author : Dr.J.Nandhini

Title of the Paper : The Conflict Between Knowledge and Power in Umberto

**Eco's The Name of the Rose** 





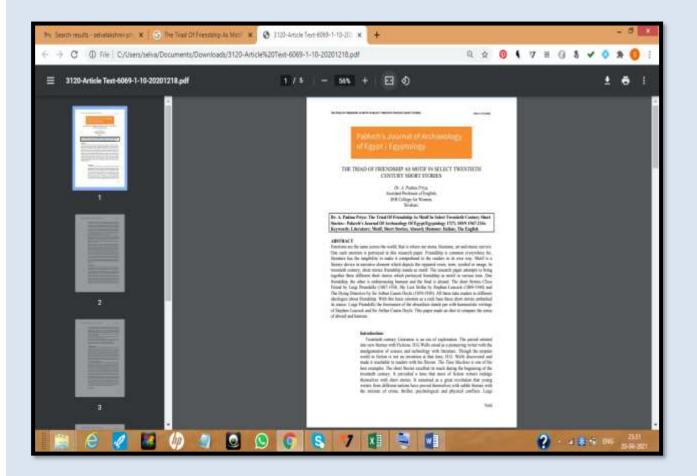


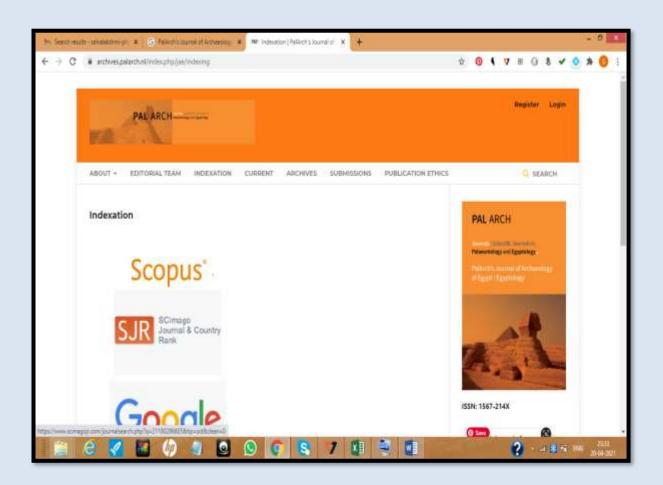
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Name of the Author Title of the Paper : Dr.A.Padmapriya

: The Triad Of Friendship As Motif In Select

**Twentieth Century Short Stories** 



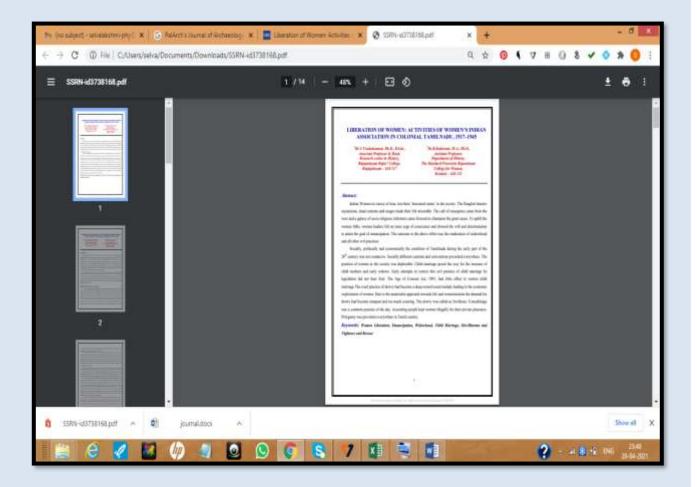


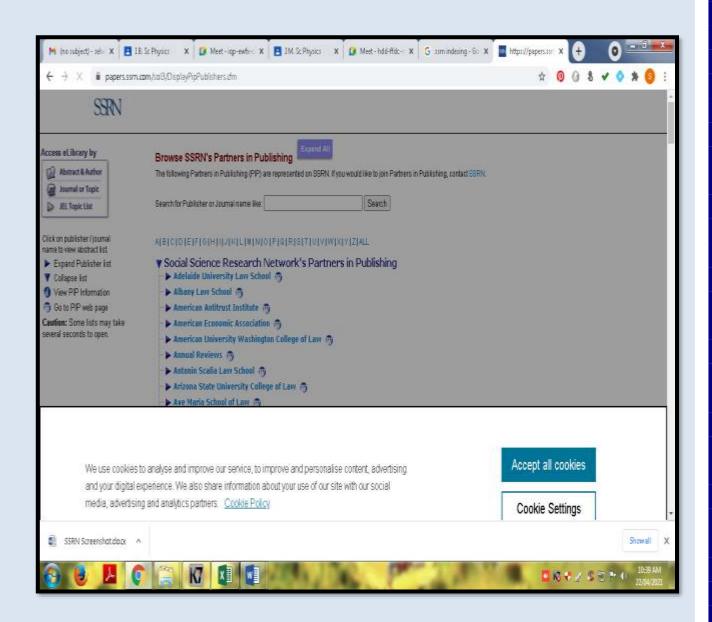


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Name of the Author Title of the Paper : Dr.R.Kalaivani

: Liberation of Women: Activities of Women's Indian Association in Colonial Tamilnadu 1917-1945







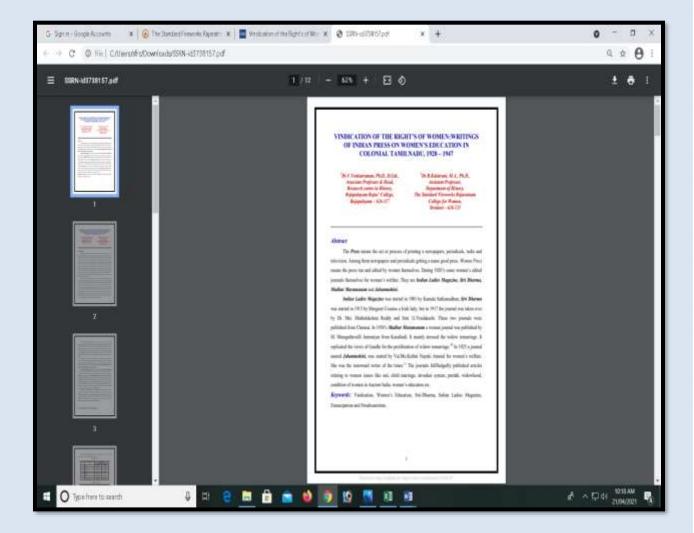
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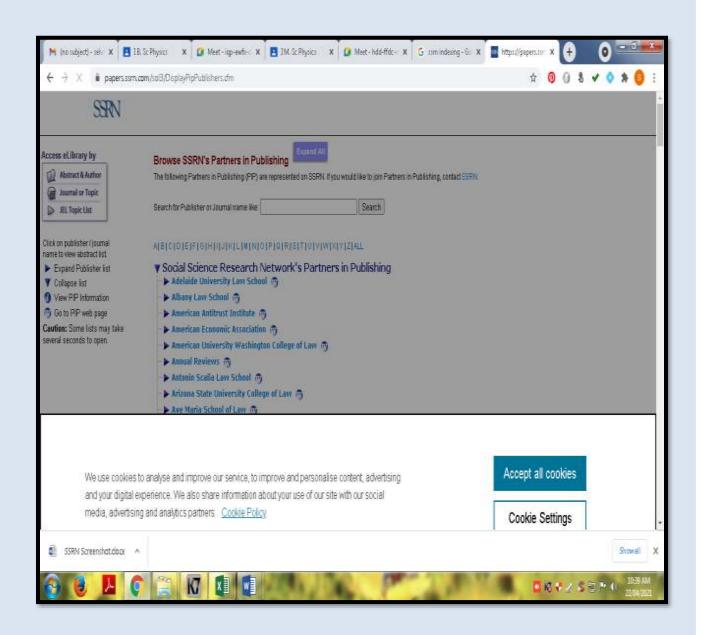
Name of the Author : Dr.R.Kalaivani

Title of the Paper : Vindication of the Right's of Women: Writings of Indian

Press on Women's Education in Colonial Tamilnadu -

1920-1947



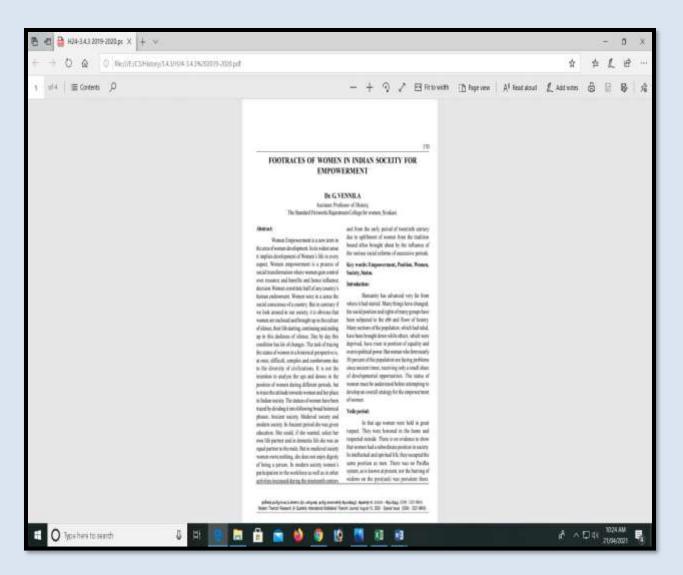


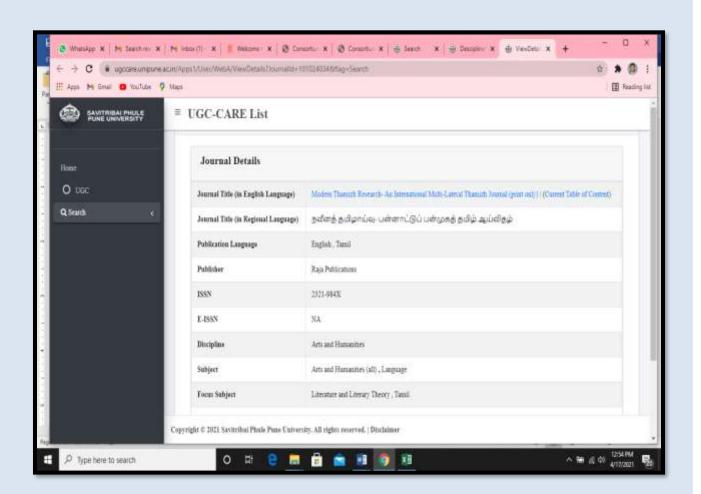


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Name of the Author : Dr.G.Vennila

Title of the Paper : Footraces of Women in Indian Soceity for Empowerment





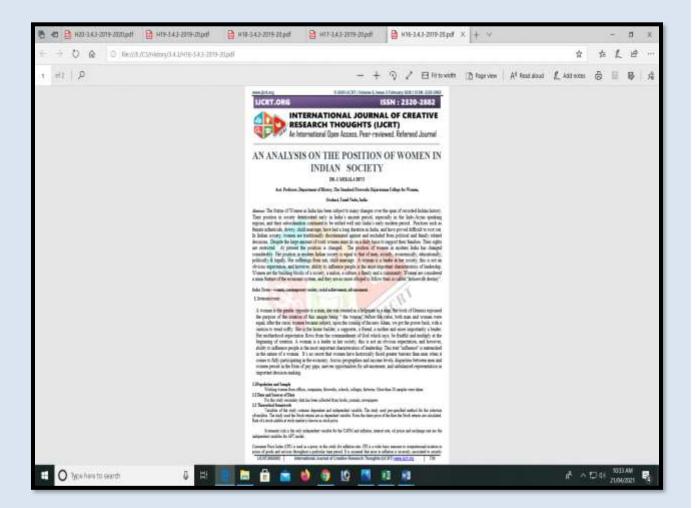


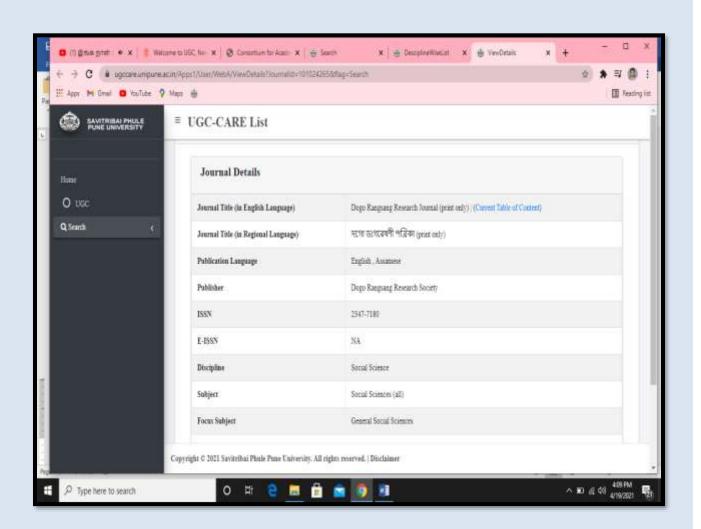
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Name of the Author : Dr.J.Mekala Devi

Title of the Paper : An Analysis on the position of women Employees in

Sivakasi





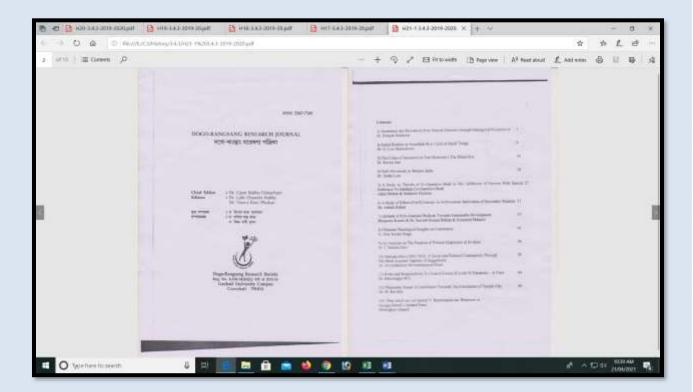


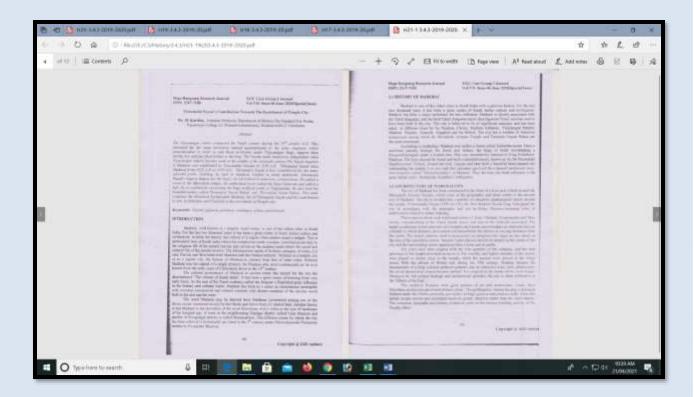
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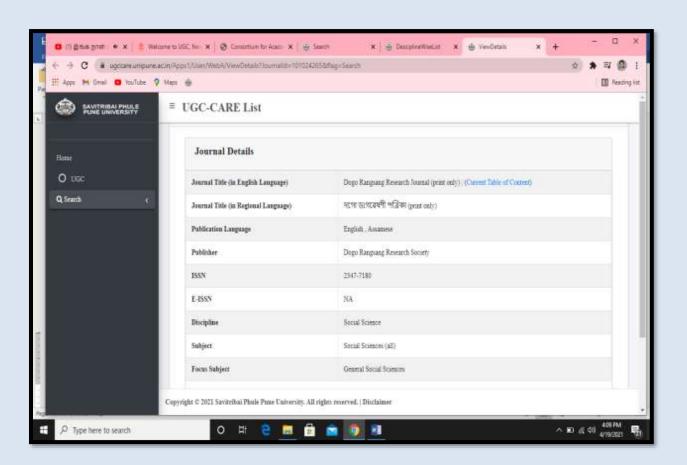
Name of the Author : Dr.M.Kavitha

Title of the Paper : Thirumalai Nayak's Contribution Towards the

**Enrichment of Temple City** 





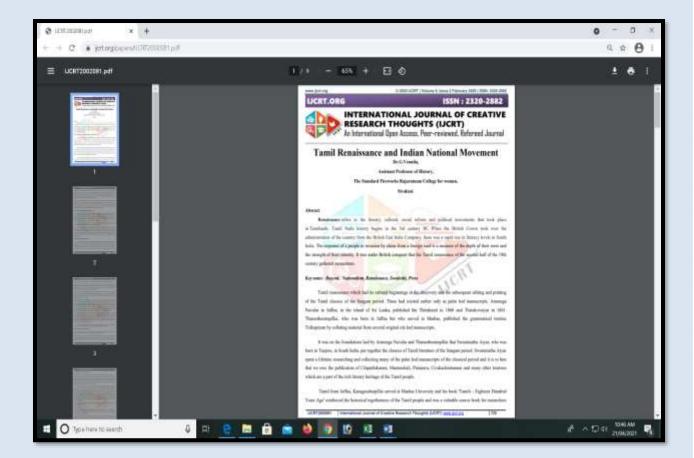


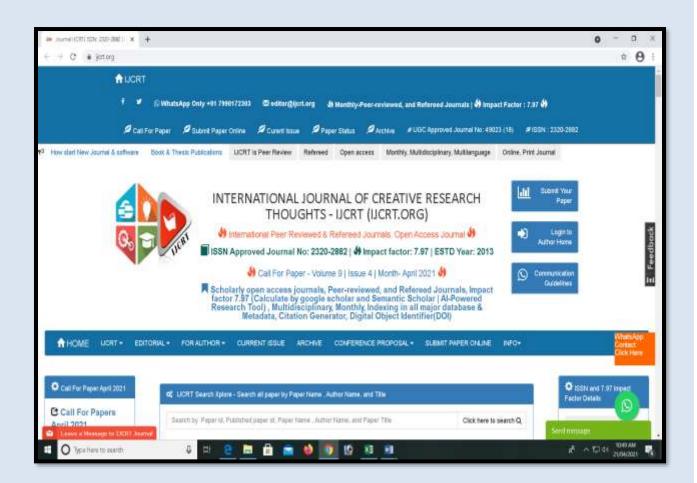


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Name of the Author : Dr.G.Vennila

Title of the Paper : Tamil Rennaisance and Indian National movement



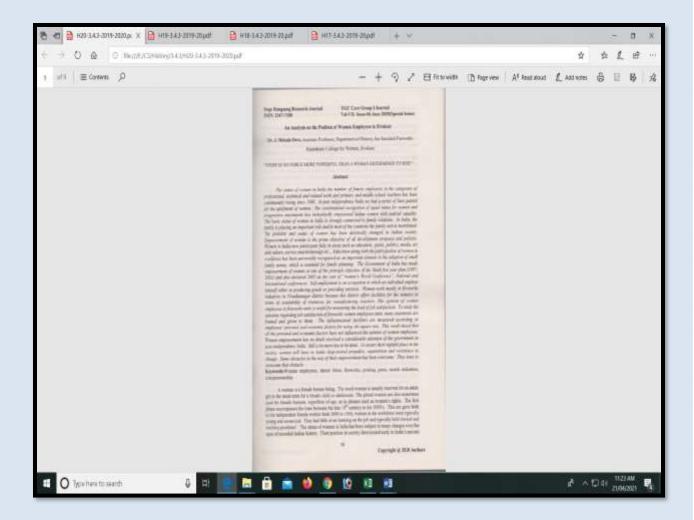


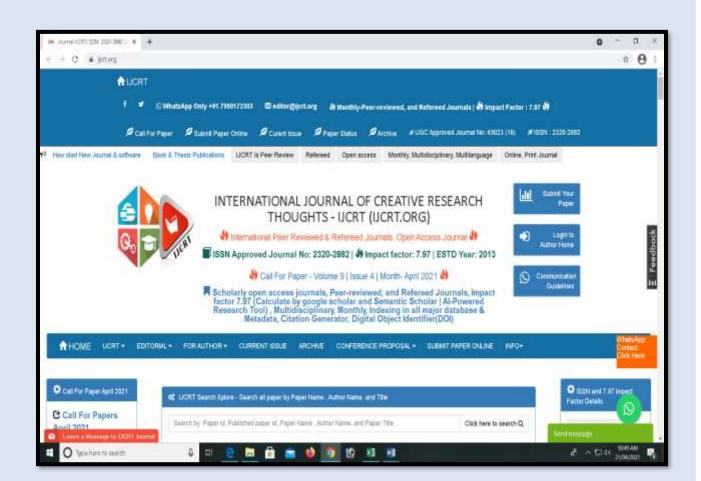


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Name of the Author : Dr.J.Mekala Devi

Title of the Paper : An Analysis on the position of women in Indian society





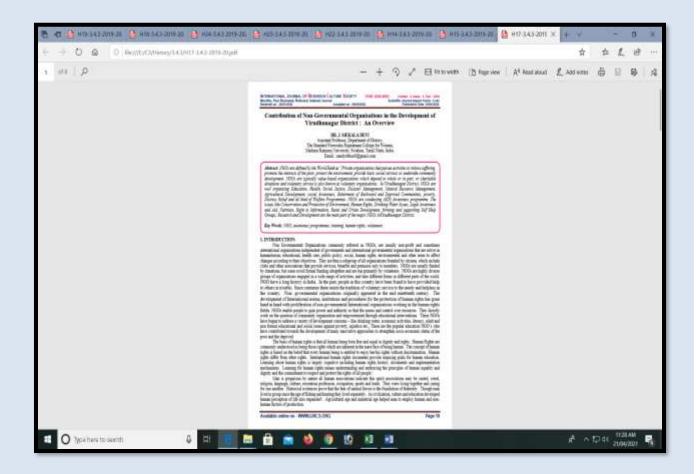


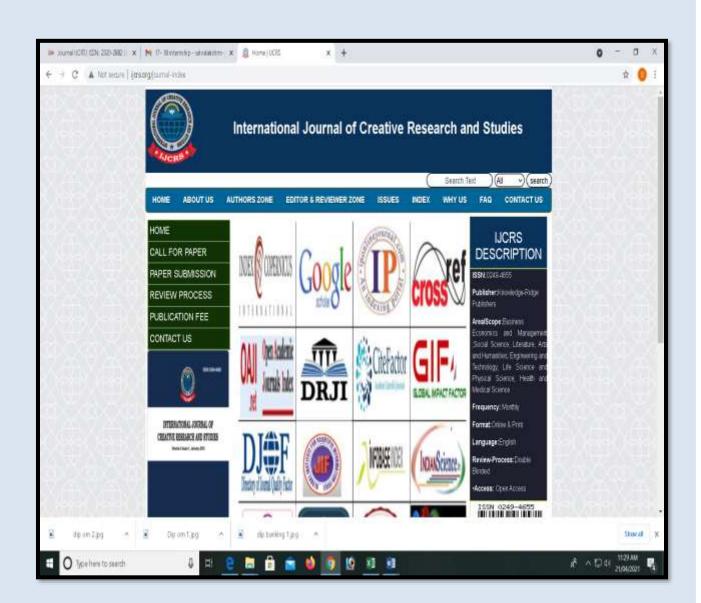
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Name of the Author : Dr.J.Mekala Devi

Title of the Paper : Contribution of Non-Governmental Organizations in the

development of Virudhunagar District: An Overview



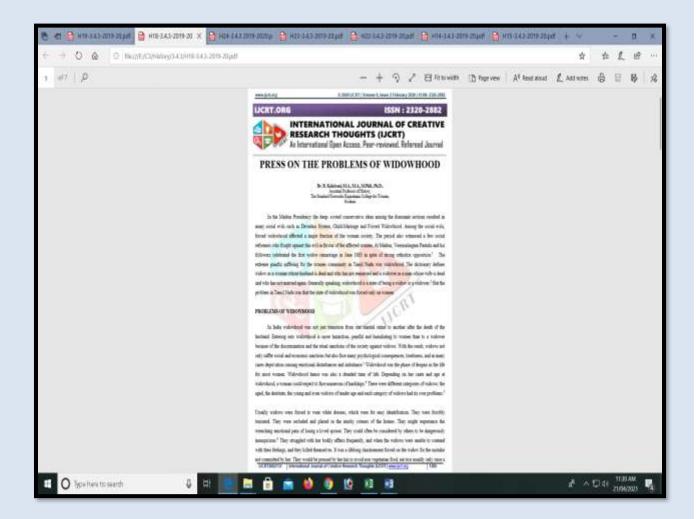


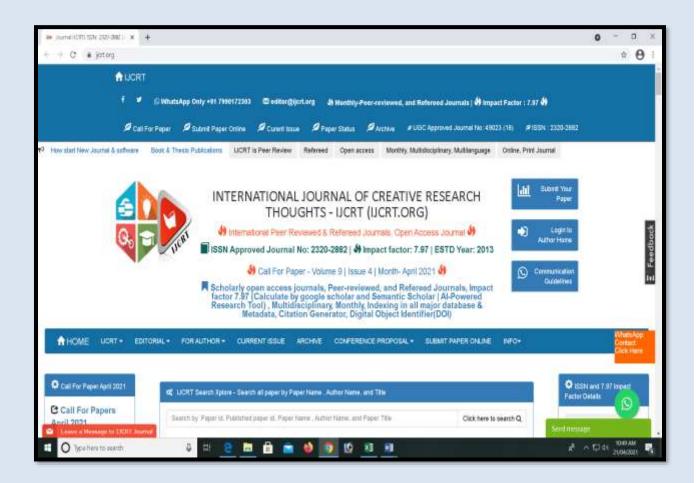


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Name of the Author : Dr.R.Kalaivani

Title of the Paper : Press on the problems of Widowhood







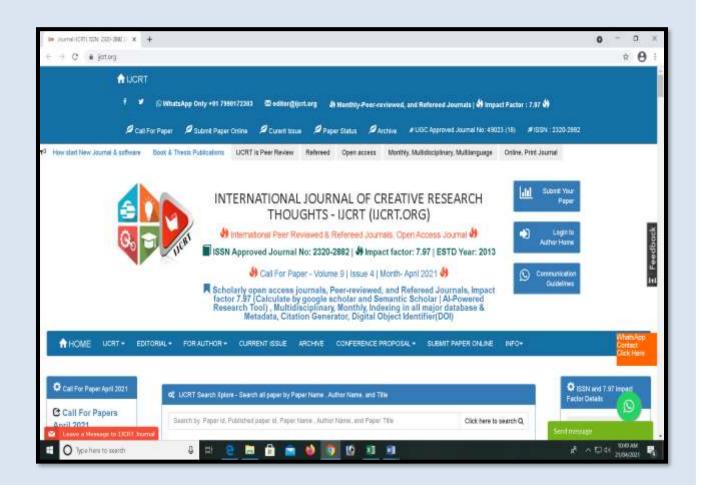
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Name of the Author : Dr.J.Mekala Devi

Title of the Paper : Pasumpon's Humanism and Humanitarianism - An

**Overview** 





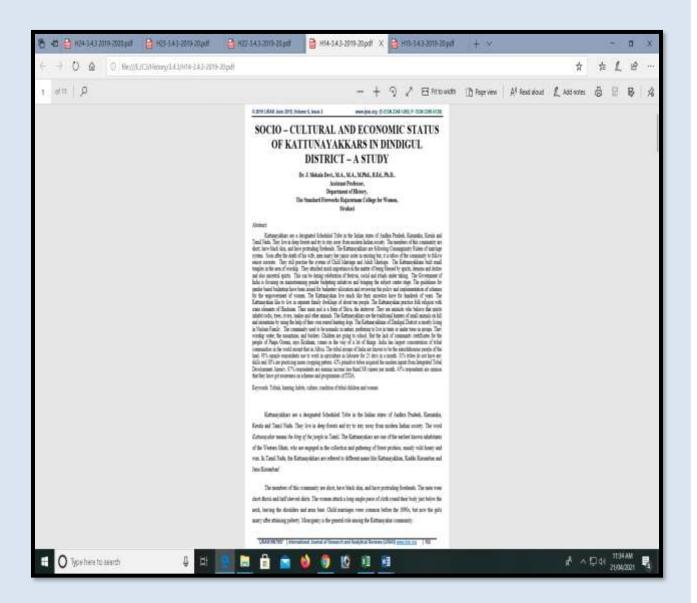


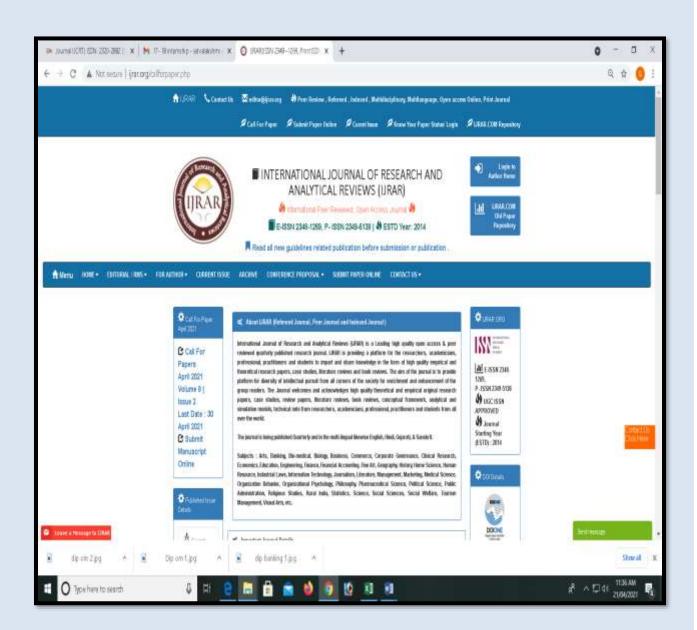
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Name of the Author : Dr.J.Mekala Devi

Title of the Paper : Socio-Cultural and Economic Status of Kattunayakkars in

**Dindugal District - A Study** 







(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author Title of the Paper : Mrs.S.Rengeswari & Dr.T.Palaneeswari

: Driving force behind the buying behavior of consumers

towards organic food

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

### DRIVING FORCE BEHIND THE BUYING BEHAVIOUR OF CONSUMERS TOWARDS ORGANIC FOOD

Mrs. S. Rengeswari, M.Com. M.Phil. B.Ed and Dr.T.Palaneeswari, M.Com. M.Phil. Ph.D.

<sup>1</sup>Assistant Professor in Commerce, <sup>2</sup> Principal and Associate Professor of Commerce

<sup>3</sup>Research Centre in Commerce, The Standard Fireworks Rajaratnam College for Women, Sivakasi

Abstract: In last few decades, organic food sector is growing rapidly. Consumers have a great interest in their food habits. The objective of this paper is to gain knowledge about driving force behind buying behavior towards organic food. The paper investigated the perception of the respondents towards organic food such as Environmental Friendly and Quality, Convenience, Economy, Health, Safety and Tasty, Price, Labeling and Promotion. The weighted average method is used to the importance purchase consider towards the factors that influence them to buy the organic products Correlation analysis has been used to find the significant relationship between driving force behind the purchase of organic food. It was concluded that concluded that factors and driving forces behind purchasing and consumption of organic food provided by the present study will offer guidelines to the marketers for understanding the attitude and preferences of the consumers towards organic food.

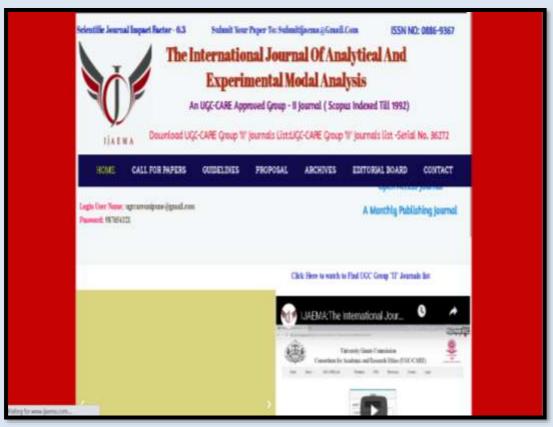
### INTRODUCTION

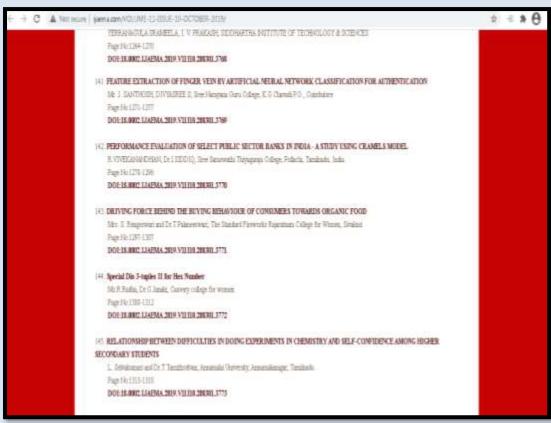
The demand for organic food in India has been growing significantly for the past five years. Consumers are willing to pay more for organic goods. The increasing number of consumers who prefer and are willing to buy these products are subjected to the buying process<sup>1</sup>. Consumers have different buying behaviours and these behaviours are constantly changing the availability of best alternatives to choose from. Products are chosen for numerous reasons. Overall, the buying process is extremely fast-paced today.

Consumer behaviour is a complex pattern and sophisticated understanding for marketing researches, but simply defined it is a psychological, social and physical actions

Volume XI, Issue X, October/2019

<sup>&</sup>lt;sup>3</sup>Padmathy, J., Saraswathy, R., (2016) "A Study on Consumers' Buying Behavior towards Organic Food Products in Thanjavur District", Intercontinental Journal of Marketing Research, 4 (2), 42-49.







(Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH)

Name of the Author Title of the Paper

: Dr.N.Rajathilagam

: A Study On Occupational Hazards Associated To Workers

**In Fireworks Industries** 

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

### A STUDY ON OCCUPATIONAL HAZARDS ASSOCIATED TO WORKERS IN FIREWORKS INDUSTRIES

Ms.N.Rajathilagam, Assistant Professor of Commerce, S.F.R. College for Women, Sivakasi.

#### Abstract

Hazardous industry can be defined as an enterprises engaged in hazardous process which may cause adverse effects on the health of the people and the environment unless special care is taken in relation to its raw material, by products, waste materials and the effluent thereof result in accident. In hazardous industry, most of the accidents have occurred due the lack of awareness on the safety systems.

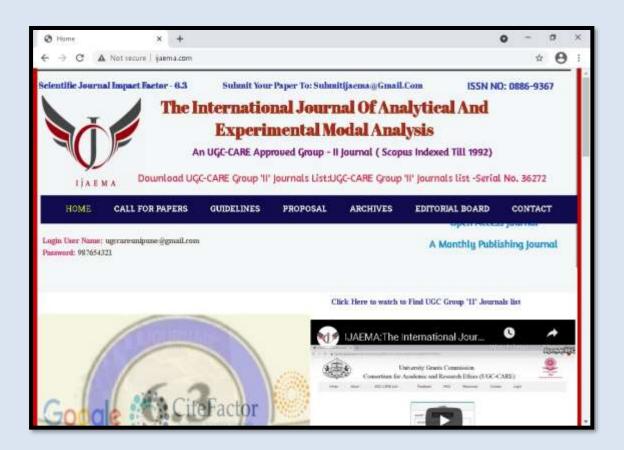
Fireworks industry is well known to be a hazardous industry. Right from the initialphase of manufacturing till the transportation and storage of fireworks in the stores, risk to life and property is high. The manufacturing process, type of storage and handling are some of the important factors which bear the likeliness of an explosive event taking place.90 percent of Indian fireworks industries are situated in Sivakasi, Tamil Nadu and hence the workers there are the most susceptible to injuries. There are around 750factories and 80000workers are employed in them. The manufacturing process of assembly is a critical phase where workers come in direct contact with hazardous substances leading to greater like risk.

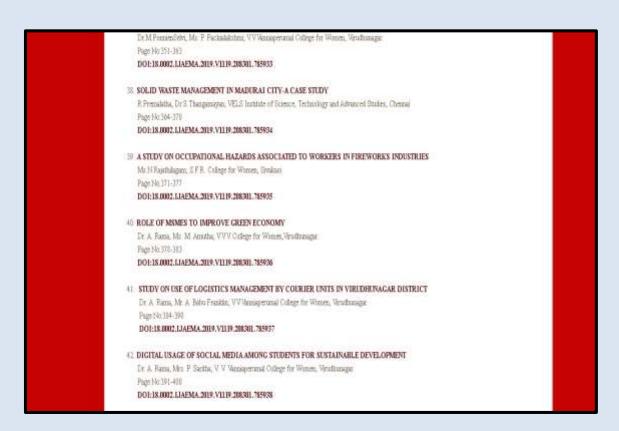
The aim of the study is to find out the occupational Hazards faced by workers during Manufacturing process and providessome mitigation strategies through which these hazards could be reduced. A pretested structured interview guide and checklist was used to collect data on demographic characteristics, work experience and occupational hazards, awareness of PPE and hazards, use of PPE and acute health effects experienced. Chi square tests were used for comparing study variables to derive relative risks.

Keywords: Occupational Hazardous, Fireworks, Environment

"Conference on Futuristic Vision in Functional Management for Global Green Economy - Dr. A. Rama, Head, Commerce Research Contro, VVV College for Womes, VMR

Volume XI, Issue IX, September/2019







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Name of the Author : Dr.S.Grahalakshmi

Title of the Paper : An Empirical Study On Banking Capital Flows Into India

**During The Post Liberalisation Period** 

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

### An Empirical Study on Banking Capital Flows into India during the Post Liberalisation Period

S. Grahalakshmi, Research Centre in Commerce, The Standard Fireworks Rajaratnam College for Women, Sivakasi, sgrahalakshmis⊛gmail.com

#### ABSTRACT

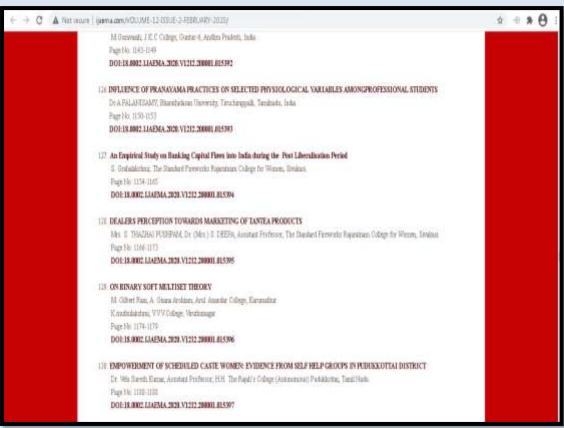
Since the beginning of economic reforms in 1991, major reform initiatives have been undertaken in the fields of investment, trade, financial sector, exchange control simplification of procedures, enactment of competition and amendments in the intellectual property rights laws. The transformation from regulation to liberalisation, from protection to integration with the international market, and from planned economy to a market economy has witnessed a vigorous expansion of India's External Sector. . Since India liberalised its capital account, capital flows into India in the form of [a] Non-Debt creating Capital Flows namely Foreign Direct Investments and Foreign Portfolio Investments and [b] Debt creating Capital Flows namely External Assistances, External Commercial Borrowings, Short term borrowings and Banking Capital. The literature in Foreign Direct Investments, Foreign Direct Investments, External Assistances and External Commercial Borrowings are enormous and hence this research work studies the growth and trend of Banking Capital during the Post Liberalisation Period : 1990-91 to 2018-19. Both capital inflows and outflows moves in the same direction throughout the study period and its compound annual growth rate, or its overall return, is 8.59 percent, even if the inflows were extremely volatile and fluctuating a great deal, from year to year. Non-resident Deposits under Banking Liabilities constitute the major portion of Banking Capital and thus the increase or decrease in banking capital is mainly due to the rise or fall in its important component NRI Deposits. Thus the trend in Banking Capital was studied by analyzing the trend of NRI Deposits during the study period of 29 years. With interest rates in India continuing to remain quite high as compared with developed nations, Non-resident Indian deposits play a significant role in bolstering overall banking capital inflows and the capital account surplus.

Key words: Capital Flows in India, Post Liberalisation Period, Banking Capital, Non-resident Deposists, NRI Deposit Schemes.

1

Volume XII, Issue II, February/2020







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Name of the Teacher : Dr.A.Vijaya Shree

Title of the Paper : Dimensions of Quality of Work Life: A Review of Literature

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

## Dimensions of Quality of Work Life: A Review of Literature

Dr. A. Vijaya Shree

Assistant Professor in Commerce, Research Centre in Commerce, The Standard Fireworks Rajarathanam College for Women, Sivakasi. vijayashree3678gma11.com

Abstract — This paper describes the literature on quality of work life. The paper starts up with an investigation of the concepts related with quality of work life and its extent towards organizational commitment and self-determination. It informs about the origining developments in the literature about a topic, helps in filling gaps and extending prior studies. It provides a framework for establishing the importance of the study us well as benchmarks for comparing the results of a study with other findings. In the light of earlier researchers, the problem can be viewed in different perspectives and hence can identify the factors determining the quality of work life.

Keywords—Quality of work life, work environment, work stress, working conditions, job satisfaction, organizational commitment and self-determination.

#### I. INTRODUCTION

Quality of work life is a philosophy, a set of principles, which holds that people are the most important resource in the organizations. They are trustworthy, responsible and capable of making valuable contribution and they should be treated with dignity and respect (Straw and Heckscher, 1984).[1] The expression of quality of work life was probably coined originally at the first international conference on Quality of work life at Arden house in 1972 (Davis and Cherns 1975)[2]. Mills (1978)[3] probably coined the term quality of working life and suggested that it had moved permanently into the vocabulary of unions and management, even if for of people using it were not exactly sure what territory it covered. During twentieth century social science conceptualizations regarding work have been labeled scientific management, human relations, social-technical system theory, and now possible holistic learning organizations. The elements that are relevant to an individual's quality of work life include the task, the physical work environment, social environment within the organization, administrative system and relationship between life on and off the job (Cunningham and Eberle, 1990).[4]

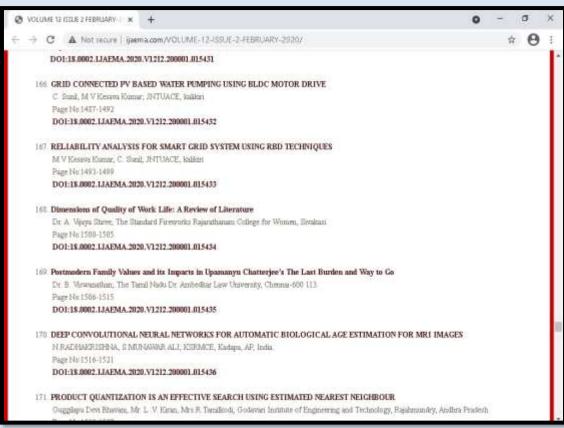
It is evident from history that, work occupies an important place in the life of human beings. Quality of work life has attracted an ever increasing interest over the past two decades not only in the areas of health, rehabilitation, disabilities and social services but also in medicine and education. Quality of work life is a comprehensive department, wide program designated to improve employee satisfaction strengthening work place learning and helping employees to manage change and transition. Dissatisfaction with Quality of work life is a problem, which affects almost all workers regardless of position or status. This is a complex problem, because it is difficult to isolate and identifies all of attributes which affect the Quality of work life.

#### II. REVIEW OF LITERATURE: QUALITY OF WORK LIFE

Tri Suyantiningsih et.al (2018) highlighted QWL positively affect job satisfaction of community health centre paramedic staffs. To improve job satisfaction it is recommended to improve QWL dimensions: job enrichment, supervision system, opportunities for self development and environmental comfort. Organization Citizenship Behaviour (OCB) positively affects job satisfaction and job performance of community health centre paramedic staffs. Effort of improving and can be done by improving OCB dimensions: altruism, conscientiousness, civic virtue, courtesy and sportsmanship. Job satisfaction positively affects job performance of Community Health Centre Paramedical staff. Effort of improving job performance can be done by improving job suitisfaction dimensions: work outcome, discipline, creativity and responsibility.[5]

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Name of the Teacher : Dr.R.Jeyalakshmi

Title of the Paper : Role of Entrepreneurs in Building a Global Green Economy

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

#### ROLE OF ENTREPRENEURS IN BUILDING A GLOBAL GREEN ECONOMY

Dr. R. Jeyalakshmi, Assistant Professor of Commerce, The Standard FireworksRajaratnam College for Women, Thiruthangal Road, Sivakasi.

#### Abstract

There has been a growing interest in the development of a "green" or "low curbon" economy as a means of reconciling economic development and the environment. The entrepreneurs have to focus on Global Green Economy by reducing environmental risks and ecological scarcities without degrading the environment.

The creation of new organisations that includes certain innovation is called Entrepreneurship. Green Entrepreneurs are the entrepreneurs making use of opportunities and starting business for sustainable development which is structure transforming, socially devoted and technologically advanced generally based on eco-friendly process and environmental product.

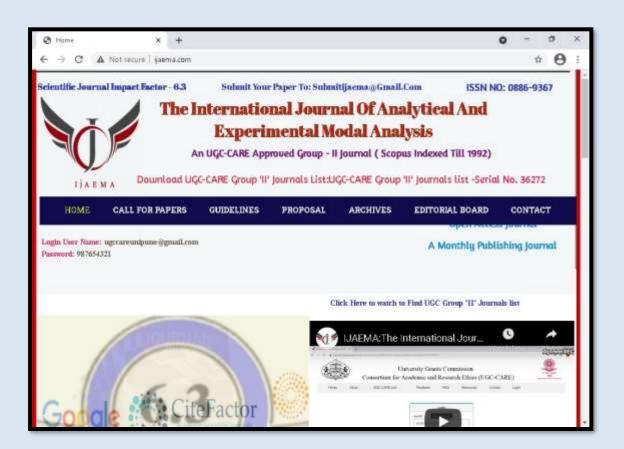
Green Entrepreneurship is generally taken as technological innovation that mitigates the human impact on environment and addresses the problems regarding environment in the present scenario such as global warming, biodiversity loss, etc. Green Entrepreneurship is a process of pursuing a business with a new innovation mandatory to address the problem of the society and solve it completely or up to a certain extent along with taking care of environmental condition and its maintenance. This type of business basically does not only seek for profit but tends to conserve and improve the present condition of the environment and also providing something new and eco-friendly to the society.

The entrepreneurs and the members in the self help group engage in the business activities which does not degrade the environment. The Government sanctions a grant to the entrepreneurs for their eco-friendly projects under a Support to Training and Employment Programme for Women (STEP). Hence, this study brings to the forefront the recent developments in the entrepreneurship to attain the global green economy.

Keywords: Green Entrepreneurs, Green Entrepreneurship and Global Green Economy

Conference on Futurbitis Vision in Functional Management for Global Green Economy - Dr. A. Ranta, Head, Consenses Resourch Contre, VVV College for Women, VNR

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### $16\,$ A STUDY ON CONSUMERS' PERCEPTION TOWARDS THE GREEN TECHNOLOGY IN TELECOM SECTOR -WITH SPECIAL

### REFERENCE TO VIRIOHUNAGAR DISTRICT

Ms. J. Jasmine Bhastina, Sn Kalleswari College (Autonomous), Sorakasi

Dr. J. Mahanayi, W.V.Vannaperunal College, Verudiunagar

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### 17 REVITALIZATION OF VILLAGES TO SMART VILLAGES — A MARCH TOWARDS A GREEN ECONOMY

Dr.J.Jaya Lakshni, VH.M.S.N.College, Virudhonagar

Page No.129-138

DOI:18.0002.1JAEMA.2019.VILI9.208301.785913

### 18 ROLE OF ENTREPRENEURS IN BUILDING A GLOBAL GREEN ECONOMY

Dr. R. Jeyaldschmir, The Standard Frewniks-Papartnam College for Women, Thirothangal Road, Sirakani

Page No.139-146

DOI:18.0002.1JAEMA.2019.VII.IV.208301.785914

### 19 GREEN INTIATIVES AND SUSTAINABILITY - A STUDY ON MICRO, SMALL AND MEDIUM INDUSTRIAL UNITS (MSME) IN VIRUDHUNAGAR.

Dr.R. Jeyardhi, VHHXSN College, Virudhoragar

Ms M Nirmala, Jain (Deamed-to-be) University Bangalore

Page No.147-155

DOI:18.0002.1JAEMA.2019.VILI9.208301.285915

### 20. STRESS AMONG WOMEN EMPLOYEES IN PARAMAKTOI TALLIK

Ms. N.Kakisani, Dr.G. Karosonithi, Government Arts College, Paramakudi, Ramanathapuram Dist.

Page No.156-165

DOE-18.0002.1JAEMA.2019.VII.19.208301.785916

THE CORES OF ACTIONS OF DESTAIN ANTS IN VIBRISH NAC A



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Name of the Teacher : Ms.S.Subalakshmi

Title of the Paper : An Study on HRM Practices of Employees on

**Printing Industry in Sivakasi** 

International Journal of Scientific Research and Engineering Development - Volume 2 Issue 6, Nov-Dec 2019

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RESEARCH ARTICLE

OPEN ACCESS

# Industry in Sivakasi M.Rifaya Meera\*, M.Manikandan\*, S.Subalakshmi\*\*, R.Padmaja\*\*\*

M.Rifaya Meera\*, M.Manikandan\*, S.Subalakshmi\*\*, R.Padmaja\*\*\*

\*Department of Commerce, Ayya Nadar Janaki Ammal College, Sivakasi E – Mait: <u>rdayabathu@gmail.com</u>

\*\*Department of Commerce, Standard Fireworks Rajarathan College for women, Sivakasi

\*\*\*Department of Commerce, Ayya Nadar Janaki Anunal College, Sivakasi E-mail: padmaja.r.b.com@gmail.com

A Study on HRM Practices of Employees on Printing

### Abstract:

HRM practices are becoming popular in all the sectors in India. Printing and fireworks are the two major industries in the study area. There are about 351 printing industries are actively in working in the study area. They are regularly following some Human resource management practices. Hence this paper reveals about the HRM practices of employees on printing industry in Sivukasi.

Keywords: HRM, HRM Practices, Printing industries

#### L INTRODUCTION

The development of our nation is mostly depending upon its industrial development. The growth of industries in a country provides the way for the effective utilization of its abundant resources such as men, material, capital and organization. Hence it will lead to increasing productivity and in turn results in more foreign exchange reserves. The industrial development makes the state of infrastructure by its wide spread, which indirectly awaken the rural people, illiteracy, poverty and so on. The growth of industries in India contributes the rural upliffmen's. In broader sense, industries are divided into two ways namely large scale industries and small scale industries.

A small scale industry requires small outlay. The development of small scale sector becomes more essential, because it can provide more employment opportunities than the large scale industries. At the same time, it does not require highly sophisticated technology. Sivakasi is one of the "Industrial Towns" in Tamii Nadu which is having many small scale industries and as large scale industries, in the industrial map of Sivakasi, Match industries, Fire Works, Printing Industries are more popular.

### IL STATEMENT OF THE PROBLEM

Managing people is definite a challenge both at strategic or even organization levels. Thus, human resources are one well managed and developed in alignment with the organizational goals and strategies. Defining improvement human resources management effectiveness is to be cultivated in order to encounter that exist on environment.

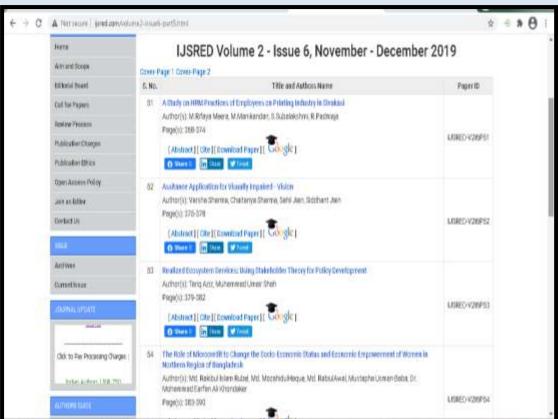
Productivity of any industry depends upon the Human Resource Management. Printing industry is a labour incentive of industry. So, the industry requires best human resource practices. The employees feel that human resource planning increases their workload and regulates them through productivity planning bargaining. Employers also resist human resource planning feeling that it increases the cost of manpower.

The employee turnover in Sivakasi printing industry is high. It can be kept minimum following by Human Resource polices.

In these circumstances the researcher has felt that there is a need for studying burnan resources management in printing industry of Sivukasi.

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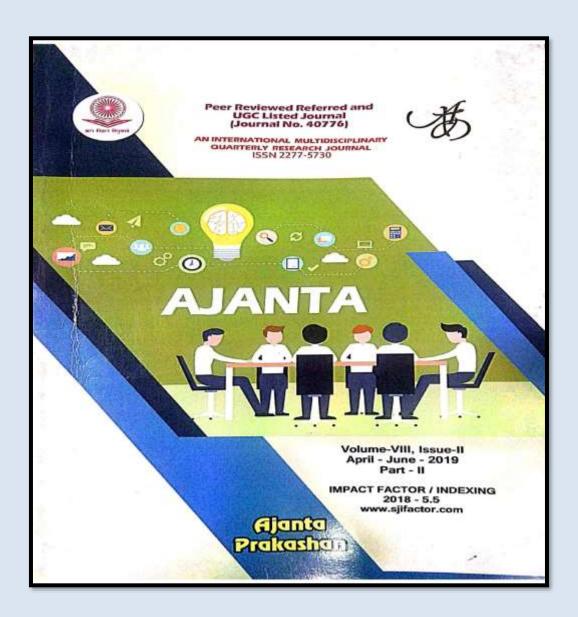


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Name of the Teacher : Mrs.S.Thazhai Pushpam

Title of the Paper : A Study on Passengers Satisfaction Towards Railway

**Services** 



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# 1. A Study on Passengers Satisfication towards Railway Services

### Mrs. S. Thazhi Pushpam

(Part Time Ph.D Scholar), Research Centre in Commerce, the Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### G. Kowsalya

Research Centre in Commerce, the Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### Abstract

In India railways were introduced in 1953 Mumbai to Thane. Indian Railways owned a total route length of 64000 kilometers, 2, 16,717 Wagons, 39,263 Couches, 7,739 Locomotives and runs about a total of 12000 Passenger trains and 7000 Freight drains daily. Sivakasi is India's fireworks club 90% of India's fireworks are produced in Sivakasi. Railway is the cheapest and low cost transportation, It's providing various services to the peoples. Hence an attempt is made by the researcher to study on passenger satisfaction towards railway services in Sivakasi railway station.

### Introduction

In India Railways were introduced in 1853 from Mumbai to Thane, Indian Railways is the second largest Railways in Asia. Indian Railways carries about 13 million passengers every day. Indian Railways runs about a total of 12000 passenger trains and 7000 freight trains daily. Indian Railways controlled by the ministry of railways. The head quarters of Indian Railways in New Delhi. At present there are 17 Zones and 68 divisions in Indian Railways. Southern Railways is one of the 17 Zones of Indian Railways. The Southern Railways Zonal head quarters located at Chennai central. Southern Railways divided into five divisions. The divisions are Chennai, Madurai, pal hat, Trichy, and Trivandrum.

## Statement of the Problem

Sivakasi is a business town in the map of India. Indian Railways is providing only limited services for the Sivakasi station. The Railways must provide some improvement in services like platform, train time announcement, rest room facilities, availability of porter, shelter and better maintenance of station. Apart from this when passengers traveled the expected facilities like



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Name of the Teacher : Dr.A.Josephine Stella

Title of the Paper : Quality of Worklife of Teachers working in Colleges of

**Eductaion in Tamil Nadu** 

ARTICLE/30

## Quality of Work Life of Teachers Working in Colleges of Education in Tamil Nadu

A. Joseph Xavier & A. Josephine Stella Mary

#### INTRODUCTION

Quality of Work Life (QWL) has emerged as one of the most important aspects of Job that ensures long term association of the employees with the organization. Quality of work life of college teachers of self-financing, government-aided and government college of Education is considered to be the most critical aspect. In general, few facilities are provided by the institutions to maintain and retain the employees as well the high productivity of the institution. But some facilities are unsatisfactory for the employees. Hence the management has to look upon the facilities that are not available and employees are dissatisfied with unavailability of the facility. Because of the facilities that are unavailable will lead to low involvement, stress, dissatisfaction, etc. At the same time it is observed that when the employees are provided with internal, personal, physical, spiritual working environments, will lead to higher productivity of the institution. Therefore, educational institutions are required to adopt a strategy to improve the employees 'Quality of Work Life' (QWL) to satisfy the needs of the employees. The present study is attempted to understand and compare the QWL of college teachers of government, government-aided and self-financing colleges of Education in Tamil Nadu. This case lets discuss the importance of having effective quality of work-life practices in Government, Government aided and Self-financing colleges of Education in Tamil Nadu and their impact on the performance of the teachers.

### METHODOLOGY

For the purpose of the study, researcher has selected 1200 teachers of education colleges functioning in the major five districts of Tamil Nadu namely, Chennai, Thiruchirappalli, Madurai, Virudhunagar and Kanyakumari. The sample size required for the study is determined by using Gpower 3.1.5 for the generalisation of result for 95 per cent for various statistical tools. There are 1555 teachers are working in the education colleges of these five districts. Out these 1555 population the researcher has selected 1200 teachers i.e. form government colleges 31 teachers (100 per cent of the population), from government-aided colleges 83 teachers (100 per cent of the population) for the reason of that the total population is small in size. From the self-financing education colleges the researcher has selected 1086 teachers

Assistant Professor of Commerce, Ayya Nadar Januki Ammal College, Siyakasi, Lamil Nadu



# The Indian Economic Journal

JOURNAL OF THE INDIAN ECONOMIC ASSOCIATION

Special Issue, December 2019

LIVELIHOODS AND SOCIAL PROTECTION: JOBS UNIVERSAL BASIC INCOME ETC.

## The Indian Economic Journal

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Name of the Teachers : Dr.K.Sounthara Priya & Dr.A.Josephine Stella

Title of the Paper : A Study on Customer Perception towards PayTM

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

#### A STUDY ON CUSTOMER PERCEPTION TOWARDS PAYTM

DR.(Mrs.) K. Sounthara Priya, Assistant Professor of Commerce, The Standard Fireworks Rajaratuam College for Women, Sivakasi.

Dr.A.Josephine Stella, Assistant Professor of Commerce, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### 1.1 INTRODUCTION

Information Technology Sector in India is making progress at rates way beyond what was expected 30 years back. The new India is educated and everybody in the nation needs the best and most upgraded methodologies for their self-business. Paytm was launched as a mobile website but today it is India's leader in e-commerce. There are various other payment platforms like Paytm has managed to dominate the market with its high security features, it is highly secured because it is approved wallet by Reserve Bank of India.

India has the second-largest user base in theworld however the presentation of ecommerce is quite low. The Indian e-commerce market till 2015had home-grown giants like FLIPKART and SNAPDEAL along with American major Amazon. When Paytm was just in its initial stages these giants had their roots deep in the India market. Theyhad already invested millions of dollars into building the supply chain, if back-end logistics and customer support. It has done well to rise in these environment however, if Paytm wants to remain as its position its strategy of offering zero commission to vendors may not be enough, it will have to build strong backend logistics to facilities fast and smooth delivery for minimal consumer complaints. Also interest shown by giants such as Alibaba in the Indian market may threaten Paytm's position in the future.

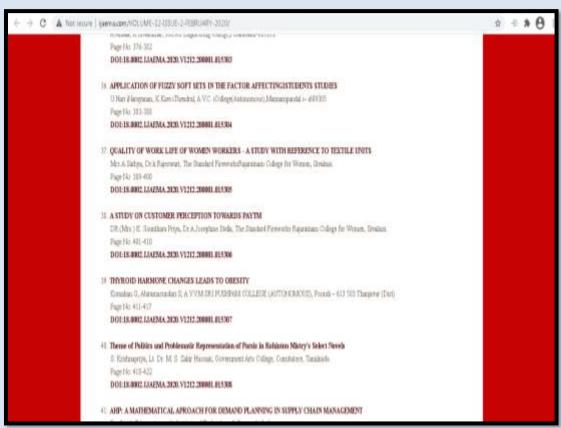
### 1.2. PAYTM IN INDIA'S DEVELOPMENT

The e-commerce has been mentioned earlier has seen an outstanding growth in 20142016. The growth was because of the high rate of technology adoption led by the increasing use
of devices such as smartphones, tablets and notebooks, and access to the internet. Because of
ecommerce companies like Paytm this sector in India has grown by a compound annual growth
rate (CAGR) of 34% since 2009. That is why to get the maximum benefit, public sector firms
like "Delhi Jal Board", "South Bihar Power Distribution, "BSNL", etc, have adopted e-commerce
by partnering themselves with Paytm. A company like Paytm Is making India digital nation with
an approach towards corruption less society. The number of middlemen involved when you buy
a product is reduced as companies like Paytm have a transparent system of knowing the seller.
Government can ensure right taxes on every product. It becomes difficult for one to evade taxes
with all the transaction data available online.

Paytm is not only used online but offline as well. Most of the people are using their mobile app of Paytm as it is very convenient an easy to use others are using various other electronic devices. Paytm has to work on its problems and it can even grow better after solving

Volume XII, Issue II, February/2020







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Name of the Teachers : Mrs.R.Maheswari & Mrs.R.Suriya Devi

Title of the Paper : Attitude of the Policy holders towards Child Life Insurance

**Plans in Sivakasi** 

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

# ATTITUDE OF THE POLICYHOLDERS TOWARDS CHILD LIFE INSURANCE PLANS IN SIVAKASI

R.Suriya Devi, Assistant Professor of Commerce, The Standard Fireworks
Rajaratnam College for Women, Sivakasi
R.Maheswari, Assistant Professor of Commerce, The Standard Fireworks
Rajaratnam College for Women, Sivakasi

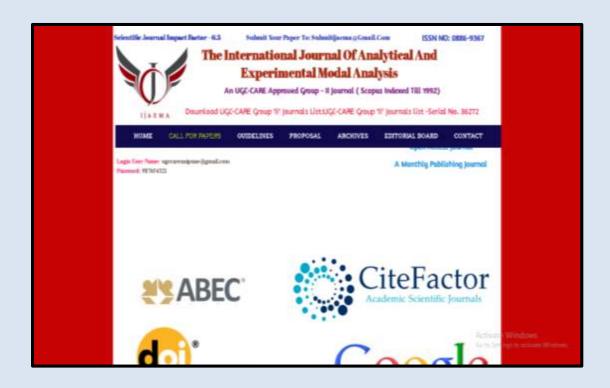
#### ABSTRACT

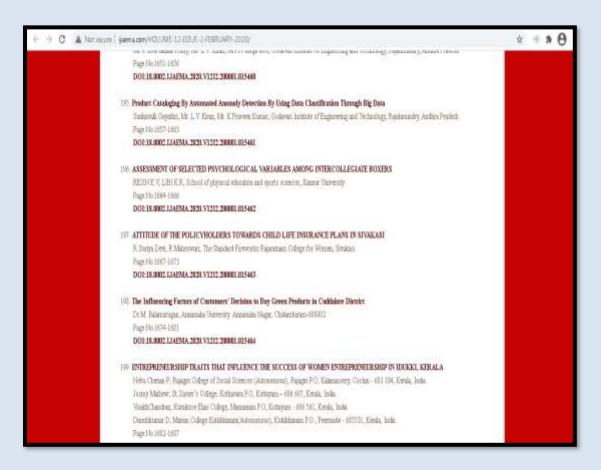
Children are the blooming flowers in the garden of the society. Most of the people are familiar with the policies of Life Insurance Corporation of India than that of children policies. So the researcher researches the children's policies in such a way that what are the policies available and what their properties are and benefits for the children through these policies. There is a relationship between income level and the number of policies taken by the policyholders, the proposers are given more importance to their children educational benefits than other benefits, t is the responsibility of the parents to "Shape their future". This would make the children proud of their parent's effort and call them the best parents.

### Keywords: Child life plans, private insurance companies, premium, policyholders I. INTRODUCTION

Human beings are searching for security and for finding out ways and means of ameliorating the evil consequences of sudden calamities. The modern set-up of industrialization has rendered man and his property most vulnerable to different types of risks and uncertainties of life. The uncertainties are death, unemployment, sickness and are constantly staring at the face of a man and also his properties are exposed to risks which may arise from fire, water, accident, wind storm, sea perils, earth quakes and flood etc. The total annual losses to humanity from ultimately death and to business man from these risks are too much to be calculated. Thus, arise the need of insurance in a planned way where by the above risks are minimized as explained above with the growth of industrialization and rapid increase in the number of situations in which the luman life and property—get exposed to risks. Thus the effective solution of reducing the burden of these risks/losses has been devised by shifting these risks to agencies or people' calling to share them is known as Insurance.

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Name of the Teacher : Dr.J.Jeeva Priya

Title of the Paper : A Study on Performance Evaluation of Growth of SIDCO

**Industrial Estates in Virudhunagar District** 

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

### A STUDY ON PERFORMANCE EVALUATION OF GROWTH OF SIDCO INDUSTRIAL ESTATES IN VIRUDHUNAGAR DISTRICT

Dr.J.JEEVA PRIYA.

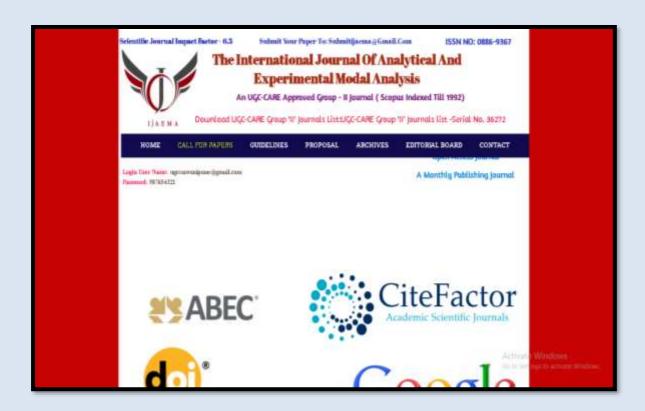
Assistant Professor of Commerce, The Standard Fireworks Rajaratnam college for Women, Sivakasi.

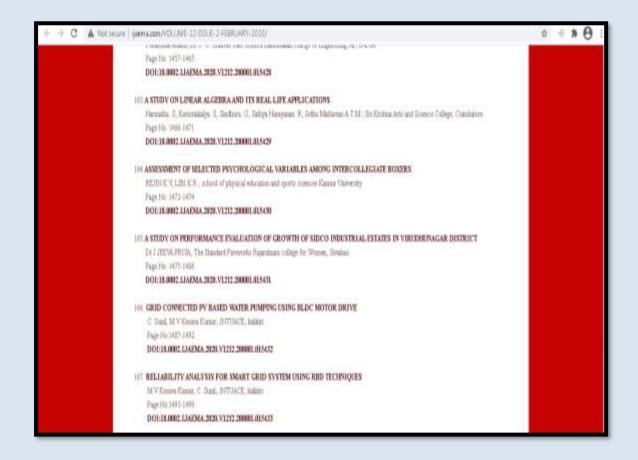
The primary objective of developing countries like India is to achieve rapid, balanced and sustained rate of economic growth. Industrial estates use modern services, such as information and telecommunications as well as extension services that are critical for innovation, technological learning and company growth. Firms located in industrial estates often use the services of local companies, creating not only backward and forward linkages, but also diffusing economic learning to the wider business community. The ultimate goal of this paper is to share knowledge on growth of industrial units in terms of production, turnover and exports in SIDCO industrial estates. Industrial Estates are the self-activated tool of the Government to enhance balanced economic development of a nation. The present study is an evidence for the better performance of the industrial units in industrial estates of Virudhungar District. The study concludes that the industrial units are satisfied with the promotional role played by the industrial estates in the study area.

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Volume XII, Issue II, February/2020







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Name of the Teachers : Mrs.A.Sathya & Dr. K.Rajeswari

Title of the Paper : Quality of Work life of Women Workers - A Study With

**Reference to Textile Units** 

The International journal of analytical and experimental modal analysis

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### QUALITY OF WORK LIFE OF WOMEN WORKERS - A STUDY WITH REFERENCE TO TEXTILE UNITS

<sup>1</sup>Mrs.A.Sathya- Part-Time Ph.DScholar, Research Centre in Commerce,

The Standard Fireworks Rajaratnam College forWomen, Sivakasi,

<sup>2</sup>Dr.k.Rajeswari- Head and Associate Professor(Retried),

Research Centre in Commerce,

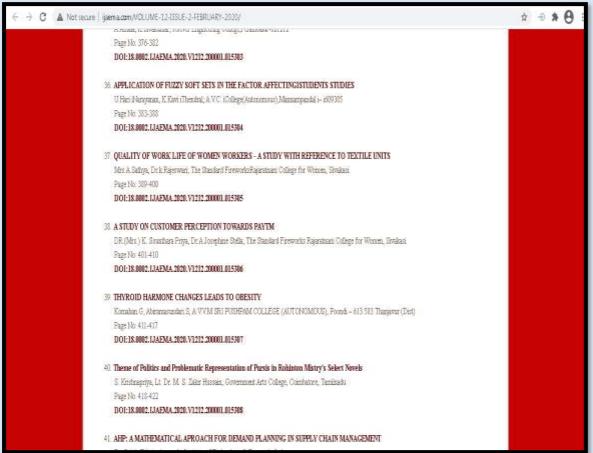
The Standard FireworksRajaratnam College for Women, Sivakasi.

#### INTRODUCTION

Working Life is a process of work organizations which enables its members at all levels to actively participate in shaping the organization environment, methods and outcomes. Conceptual categories which together make up the quality of working life are adequate and fair compensation, safe and healthy working conditions, immediate opportunity to use and develop human capacities, opportunity for continued growth andsecurity, social integration in the work organization and the social relevance of work life. Quality of work life also refers to the favorableness or unfavourableness of a job environment for people. It is a generic phase that covers person's feelings about every dimension of work including economic rewards and benefits, security, working conditions, organization and interpersonal relationship and its intrinsic meaning in a person's life. The basic purpose of quality of work life is to develop work environment that are excellent for people as well as for production. It aims at healthier, more satisfied and more productive employees and more efficient, adaptive and profitable organization. Quality of work life is a subset of the quality of life which contains the relationship between employees and their total working environment with human dimension. Quality of work life is the degree to which members of an organization are able to satisfy their personal needs through their experience in the organization. Its focus is on the problem of creating a human work environment where employees work co-operatively and contributes to organizational objectives. Quality of work life is important for job performance, job satisfaction, labour turnover, labour management relations and such other factors which play an important part in determining the overall well being of any industrial organization. The quality of work life

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Name of the Teachers : Dr. S.Deepa & Mrs. S.Thazhai Pushpam

Title of the Paper :Dealers Perception Towards Marketing of TANTEA

**Products** 

The International journal of analytical and experimental modal analysis

ISSN NO: 0886-9367

## DEALERS PERCEPTION TOWARDS MARKETING OF TANTEA PRODUCTS

Mrs. S. THAZHAI PUSHPAM, Assistant Professor of Commerce, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

Dr. (Mrs.) S. DEEPA, Assistant Professor of Commerce, The Standard Fireworks Rajaratnam College for Women, Sivakasi.

#### ABSTRACT

Dealers perception analysis aims to ultimately improve husiness performance through an understanding of past and present dealers so as to determine and identify future dealers and their perception. Perception is defined as "the process by which people select, organize and interpret information to form a meaningful picture of the world". In this paper, results relating to dealers purception towards marketing of Tamilnadu Tea Plantation Corporation Limited (TANTEA) products in respect of various elements of marketing mix includes product, price, place/physical distribution and promotion are discussed.

Rowms - Marketing, TANTEA, Dealers Perception, Marketing Mix

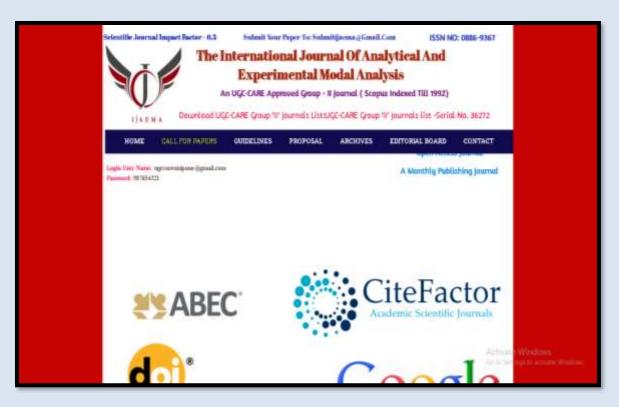
#### L INTRODUCTION

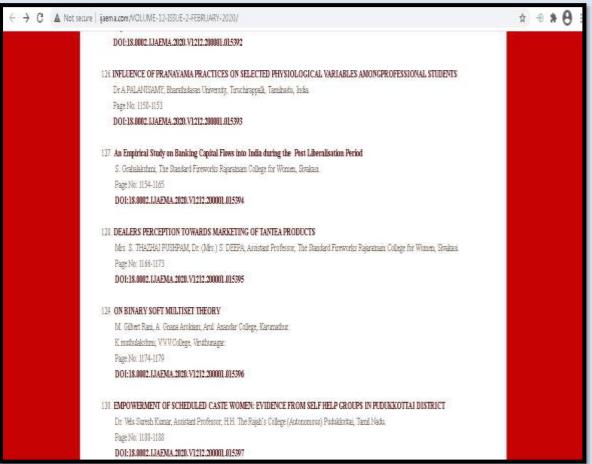
Tamilnadu. Tea Plantation Corporation Limited - TANTEA is an undertaking of the State Government of Tamilnadu, India. A Vision that took root in 1968, to rehabilitate Sri Lankan repatriates trained in the fine art of tea culture. TANTEA is one of the biggest black tea producers in India with high quality cloud tea plantations spread over nearly 4500 ha. in Nilgiris and Coimbatore districts of Tamilnadu.

Dealers are the key players in any form of business. The role of dealers in tea marketing is highly significant and they are the real distributors of the product. Cultivation of tea requires some specific type of soil, climate and water. It is grown in specific areas. Distribution is done only by the dealers to a maximum extent as the product has to reach billions of people.

TANTEA uses two main marketing channels namely auction and retail sales. As per government of India's direction, 75 per cent of the tea production has to be sold only through auction sales. TANTEA is sending its tea to various auction centers, namely Cochin, Coimbatore and Coonoor. Apart from selling the tea in auction centers, TANTEA has entered into the retail sale marketing in 1980 and its tea has been gaining popularity in the domestic market. While over 98 per cent of tea produced is sold through e-auctions, efforts are now on to make garden fresh tea available in packets and pouches to the domestic consumer through more extensive retail sale. Inspite of several desirable features of TANTEA's retail presence is not to the desired level due to inadequate publicity and retail network. The small dealers are unable to invest heavily. Hence, it has been decided by TANTEA to appoint District Wholesale Dealers in

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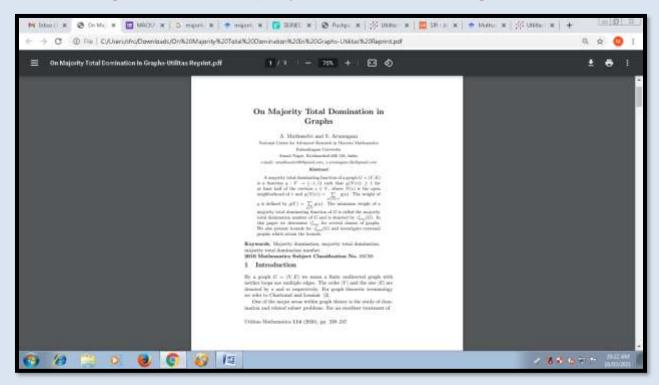


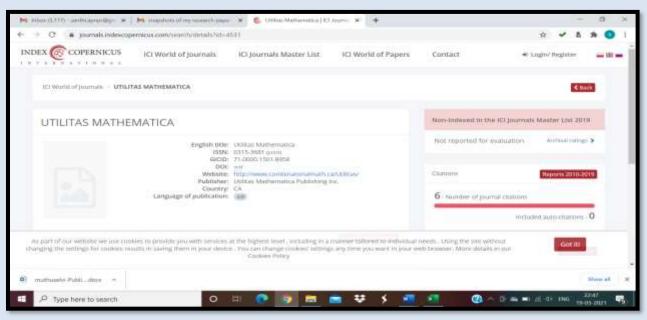


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Name of the Teachers : Dr.A.Muthuselvi

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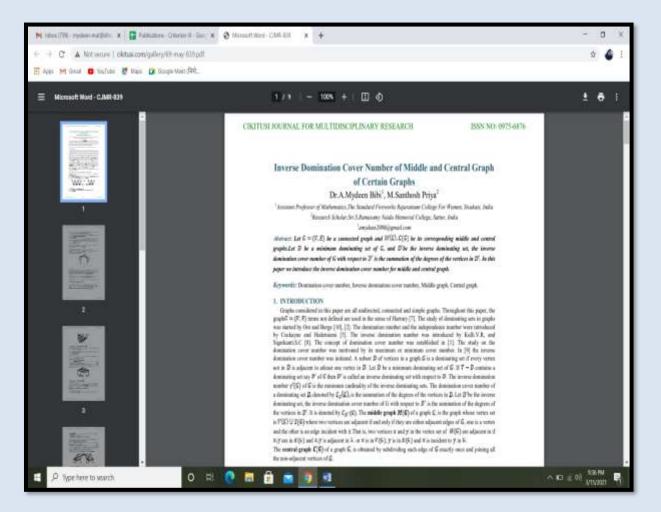
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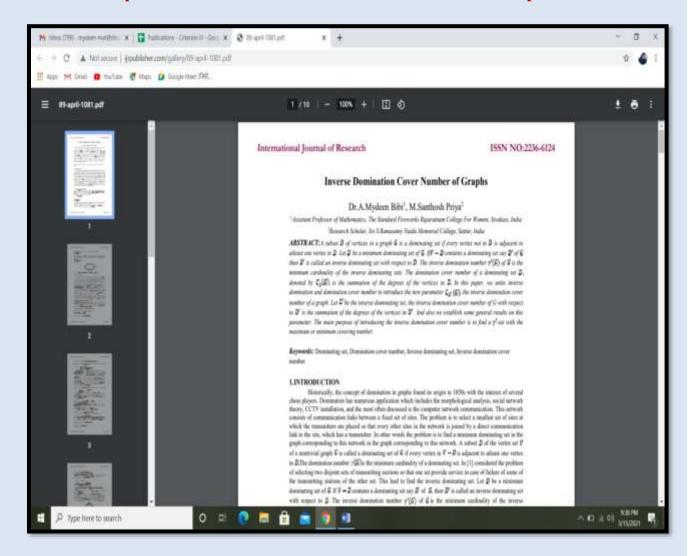




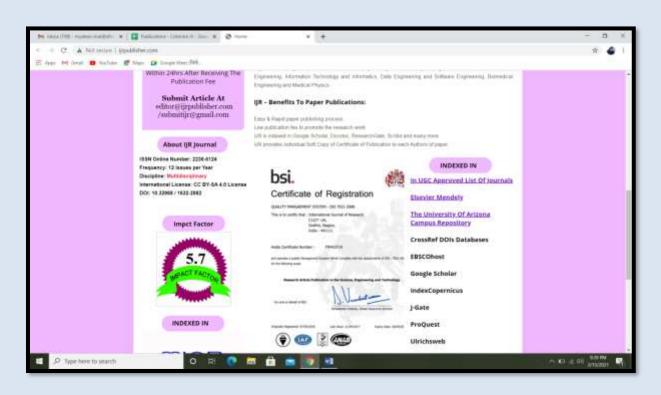
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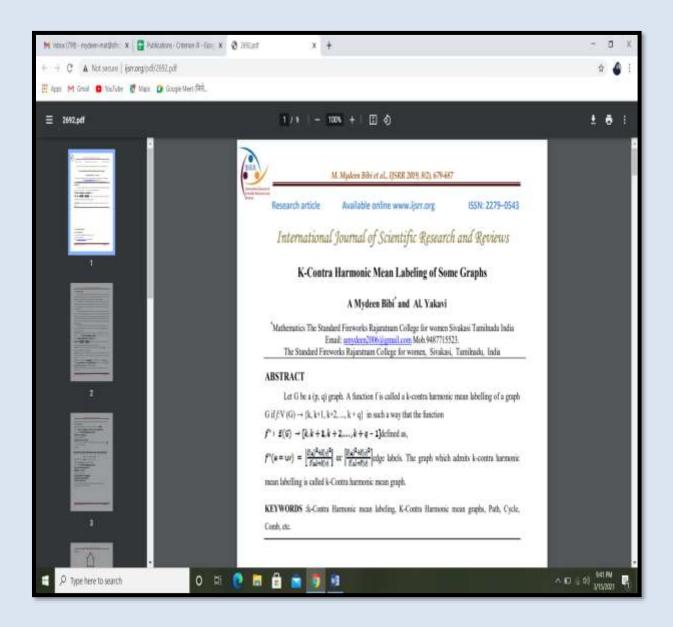




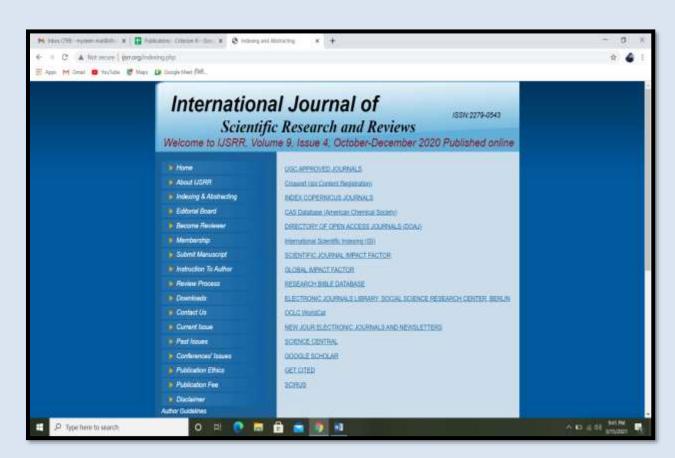
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Name of the Teachers : Dr.P.Santhi

Title of the Paper : A study of Almost Contra (b, mu)-Continuous Functions in

**Generalized Topological Spaces** 

Journal of Information and Computational Science

ISSN: 1548-7741

### A study of Almost Contra (b, μ)-Continuous Functions in Generalized Topological spaces

#### 1 S. Vijaya and 2 P. Santhi

Department of Mathematics, Thiagarajar College, Kamarajar Salai, Madurai District, Tamil Nadu, India. E-mail:viviphd.11@gmail.com Department of Mathematics, SFR College for Women, Sivakasi,

Virudhunagar District, Tamil Nadu, India. E-mail:saayphd.11@gmail.com

#### Abstract

The purpose of this paper is to introduce the notion of almost contra  $(b, \mu)$ continuous function. Also the relationships between almost contra  $(b, \mu)$ -continuous
functions and the other forms are investigated.

#### 2010 Mathematics Subject Classification: 57C10, 57C08, 57C05

Keywords and phrases: contra  $(b,\mu)$ -continuity, almost contra  $(b,\mu)$ -continuity, strongly contra  $\lambda$ -b-closed,  $\lambda$ -b-closed compact.

#### 1. Introduction

In [2, 3, 4], Cs\(\partial\) continuous functions of generalized topological spaces, and studied the extremely elementary character of these classes. Especially he introduced the notions of continuous functions on generalized topological spaces, and investigated characterizations of generalized continuous functions (= (\hat{\ell}, \mu)-continuous functions in [4]). In [7, 8, 9], Min introduced the notions of weak (\hat{\ell}, \mu)-continuity, almost (\hat{\ell}, \mu)-continuity, (\alpha, \mu)-continuity and (\beta, \mu)-continuity on generalized topological spaces. In [6], Jayanthi introduced the notion of contra continuous functions on generalized topological spaces.

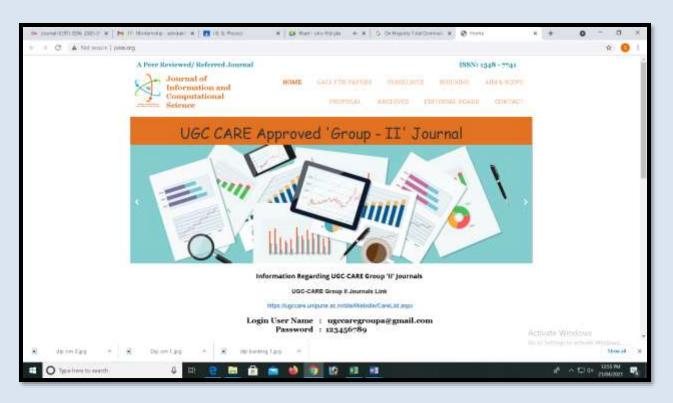
The purpose of this paper is to introduce the notion of almost contra  $(b, \mu)$ -continuous function. Also the relationships between almost contra  $(b, \mu)$ -continuous functions and the other forms are investigated.

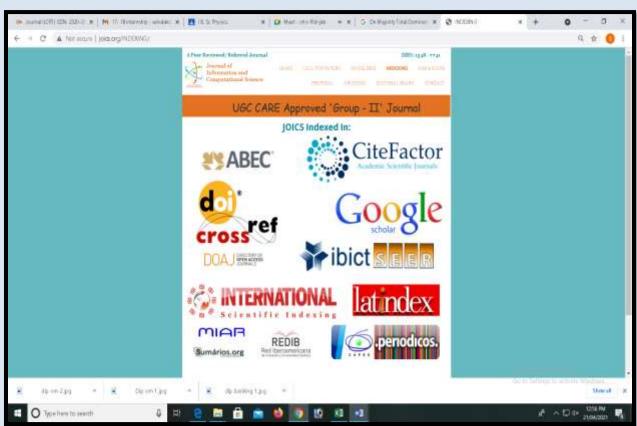
#### 2. Preliminaries

#### Definition 2.1 [4]

Let X be a nonempty set and  $\lambda$  be a collection of subsets of X. Then  $\lambda$  is called a generalized topology (briefly GT) on X if  $\phi \in \lambda$  and  $G_i \in \lambda$  for  $i \in I \neq \emptyset$  implies  $G = \bigcup_{i \in I} G_i \in \lambda$ . We say  $\lambda$  is strong if  $X \in \lambda$ , and we call the pair  $(X, \lambda)$  a generalized topological space (briefly GTS) on X.

The elements of  $\lambda$  are called  $\lambda$ -open sets and their complements are called  $\lambda$ -closed sets. The generalized closure of a subset S of X, denoted





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P. Santhi, Department of Mathematics, SFR College for Women, Sivakasi, Virudhunagar District, Tamil Nadu, India.

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24. Review on Automatic Detection of Tuberculosis on Sputum Smear Images (gallery/ics-1366.pdf)

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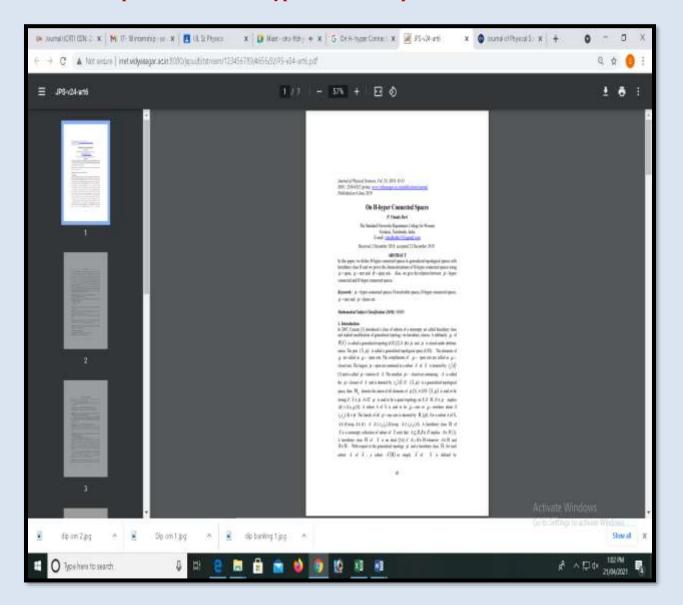
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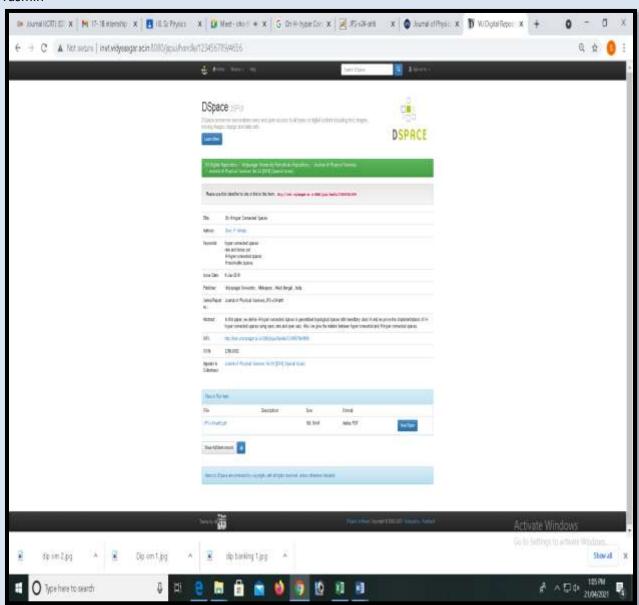
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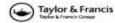
Name of the Teachers Title of the Paper sol-gel

: Dr.R. Sudha Periathai

: Investigation on synthesis of SnO<sub>2</sub> nano-particles using

process for energy storage application





#### Investigation on synthesis of SnO<sub>2</sub> nano-particles using sol-gel process for energy storage application

Sudha Perlathai R.\*, Pon Vengatesh R.b, Jeyakumaran N.S and Prithivikumaran N.S

\*Department of Physics, The Standard Fireworks Rajaratnam College for Women, Sivakasi, India; \*Department of Electrical and Electron Engineering, Mepco Schlenk Engineering College (Autonomous), Sivakasi, India; \*Department of Physics, V.H.N. Senthikumara Nadar College, Virudhunagar, India

ABSTRACT

One of the greatest challenges in the twenty-first century is unquestionably energy storage. It is now essential that new, low-cost and environmentally friendly energy conversion and storage systems are to be found. Metals that store Lithium are the most appealing and competitive candidates for new types of anode (negative electrodes) in Lithium ion rechargeable batteries. SnO<sub>2</sub> has been demonstrated to be one of the most promising anode materials for high performance Lithium-ion batteries (LIBs) due to its high theoretical specific storage capacity (782 mAh/g) as compared with the commercially used graphite. In the present work, secondary Li-ion battery was fabricated using SnO<sub>2</sub> nanoparticles synthesised by Sol-gel process as anode material without any surface modification. TEM analysis confirmed the nanometric size of the synthesised SnO<sub>2</sub> nanoparticles. Electrochemical impedance study has been carried out for the restant without any surface modification. 1EM analysis confirmed the nanometric size of the synthesised SnO<sub>2</sub> nanoparticles. Electrochemical impedance study has been carried out for the assembled cell of configuration SnO<sub>2</sub> electrode sheet/ 1 M LIPF6 PCLDME 1:1/ LI metal. The ohmic resistance (R<sub>cl</sub>) and the charge-transfer resistance (R<sub>cl</sub>) are found to be 2.28 $\Omega$  and 52 $\Omega$  respectively. The Galvanostatic charge/discharge profile was studied at three current rates such as 0.44 $\Omega$ , 0.88 $\Omega$  and 1Cin the potential window between 0.1 V to 1.2 Vand their coulombic efficiencies were analysed.

### KEYWORDS

#### 1. Introduction

Nanostructured materials are becoming an important candidate in the field of electrochemical energy storage due to their unusual optical and electrical properties (Zhao et al. 2015). Due to the remarkable properties of secondary LIBs such as high power, high energy density, better discharge rate and less weight (Lim 2019; Andrzej 2018; Zhou, Xue, and Fu 2013), they draw more attention towards energy storage devices. Being attracted towards the highest theoretical specific storage capacity of SnO<sub>2</sub> (782 mAh/g) than the conventional graphite (372mAh/g), SnO2 is suggested as suitable anode material for meeting out the requirement of LIBs in energy storage application (Ying and Han 2017; Fattakhova-Rohlfing et al. 2019; Seong et al. 2019; Gurunathan, Masthanaiah Ette, and Ramesh 2014; Demir Cakan, Hu, and Antonietti 2008; lian-hua et al. 2007; Kyu et al. 2003; Lou et al. 2006; Wang and Rogach 2014; Andrzej, 2018). The preference of electrode material is an important factor for the effectiveness of LIBs and it helps to enhance the overall performance of the battery.

The intrinsic-driving force (i.e. alloying and dealloying processes) for the electro-chemical action is also most important for SnO2 as anode in LIBs (Jin et al. 2011; Wang et al. 2002; Li et al. 2018a; Seong et al.

2019). Intense research work has been carried out to make use of the notable properties of SnO2. Some of the challenging issues to be considered while using SnO2 as anode material are volume expansion during lithium insertion/exertion, pulverisation of active material and loss of lithium source (Ying and Han 2017; Fattakhova-Rohlfing et al. 2019; Li et al. 2018a; Han et al. 2018; Weeks, Mullins, and HellerNovel 2019). In order to neutralise these challenges, several strategies are followed, such as synthesising nanoporous materials (Cook et al. 2017; Lim 2019; Fattakhova-Rohlfing et al. 2019), developing SnO2-C (Weeks, Mullins, and HellerNovel 2019; Li et al. 2018a; Zhang et al. 2008; Huang, Cui, and Chang 2015; Andrzej 2018), SnO2-graphene (Han et al. 2018; Zoller et al. 2018; Zhao, Li, and Yan 2015; Zhang et al. 2017) composite networks and Sn-based alloys (Li et al. 2018b; Youn, Heller, and Mullins 2016; Zhang et al. 2016).

In the present work, SnO2 nanoparticles were synthesised without any surface modification using ol-gel process. TEM analysis was carried out to confirm the size of synthesised nanoparticle. An effect has been taken to fabricate secondary Li-ion battery (LIB) using the synthesised SnO<sub>2</sub> nanoparticles as anode material. Electrochemical impedance study was carried out to find the ohmic resistance and charge-

CONTACT Pon Vengatesh R. Opponvengatesh@gmail.com Department of Electrical and Electronics Engineering, Mepco Schlenk Engineering College (Autonomous), Sevakasi, Tamil Nadu 626005, India © 2020 Engineers Australia

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Name of the Teachers Title of the Paper

: Dr.S.Jayanthi

: Influence of nano SrTiO3 and ultrasonic irradiation on the

properties of polymer blend electrolytes



#### 1. Introduction

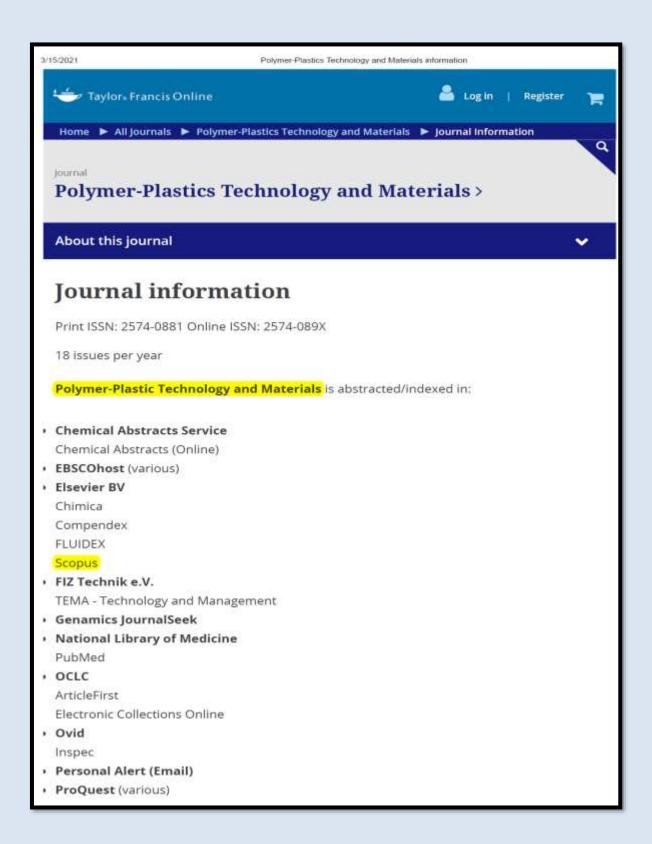
Solid polymer electrolytes (SPEs) act as a potential candidate in advanced applications such as rechargeable supercapacitors,[2] electrochromic devices, 31 dye-sensitized solar cells (DSSCs)14 and so on. Though several polymer electrolytes based on the polymers such as poly (vinyl chloride) (PVC), poly (methyl methacrylate) (PMMA), poly(ethyl methacrylate) (PEMA), poly (vinylidene fluoride) (PVDF), etc., were prepared and characterized, the polymer poly (ethylene oxide) (PEO) is an extensively studied one. This is because i) the coordination efficiency with alkali metal salts is high, ii) its optimal distance and orientation of the ether oxygen atoms in polymer chains. [5] It is to be well known that for an effective ion transport, the i) segmental motions and ii) local relaxations of the ion carrier polymer chains are fundamental characteristics. But the above said factors are pronounced more only at the amorphous phase. However, the polymer, PEO possesses a crystalline phase hence maximum conductivity can be achieved only at higher

temperatures (i.e., greater than 60°C). This limits the possible use of these SPEs as separators for energy storage applications.

To decrease the crystallinity of PEO and hence the conductivity at ambient temperature, many modifications have been carried out. They are i) blending of polymers, [8] ii) addition of plasticizers, [9] iii) incorporation of nanofillers[10, 11] etc. Of these, the strategy of polymer blending has received great attention. It is the most promising and feasible technique because of simple preparation and easy control of physical properties within the compositional regime. [13] Further improvement in ionic conductivity and their mechanical properties have been made by the addition of nanofillers into the polymer blend matrix. [.13,14] Due to these appealing properties of polymer blending and inclusion of nanofillers, we have made an attempt to prepare PEO/P(VdF-HFP)/LiClO<sub>4</sub>/SrTiO<sub>3</sub> polymer blend electrolytes.

The individual properties of the materials used here are listed as follows. Poly(ethylene oxide) (PEO) has a high dielectric constant (-4-5) which makes easy

CONTACT Jayanthi S. 🔘 jayanthi-physisficollege.edu.in 🔘 Department of Physica, The Standard Fireworks Rajarotnam College for Women, Sivakasi, Tam



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Name of the Teachers Title of the Paper : Dr.R.Sudha Periathai

:Structural, Electrical, and Electrochemical

 $Characterization \qquad of \qquad Li_{1.2}Ni_{0.6} - xMg_xCo_{0.3}O_2 \qquad Cathode$ 

**Materials for Application in Lithium-Ion Batteries** 

Aurusi of KLECTRONIC MATERIALS https://doi.org/10.1007/s11864-020-08445-8 © 2020 The Minerals, Metals & Materials Society



Structural, Electrical, and Electrochemical Characterization of Li<sub>1.2</sub>Ni<sub>0.6-x</sub>Mg<sub>x</sub>Co<sub>0.3</sub>O<sub>2</sub> Cathode Materials for Application in Lithium-Ion Batteries

S. ABARNA, <sup>1</sup> R. SUDHA PERIATHAL, <sup>2</sup> R. PON VENGATESH, <sup>3,5</sup> and N. PRITHIVIKUMARAN <sup>4</sup>

1.—Department of Physics, Ayya Nadar Janaki Ammal College, Sivakasi, India. 2.—Department of Physics, The Standard Presentle Rajaratnam College For Womes, Sivakasi, India. 3.—Department of Electrical and Electronics Engineering, AAA College of Engineering and Technology, Sivakasi, Tamil Nadu, India. 4.—Department of Physics, V.H.N. Senthikumara Nadar College, Viradhunagar, India. 6.—e-mail: porvengate-she@mail.com.

Lithium-rich nickel cobalt magnesium oxide cathode materials with varying concentrations of nickel and magnesium have been synthesized using a solid-state reaction (SSR) method. The structural properties of the as-synthesized cathode materials were analyzed by x-ray diffraction (XRD), confirming their x-NaFeO<sub>2</sub> layered structure in space group R3m. Scanning electron microscopy (SEM) study revealed the cube-like hexagonal structure of the prepared materials. Electrochemical impedance spectroscopy (EIS) was carried out in the frequency range from 1 Hz to 7 MHz with a voltage amplitude of 10 mV. At ambient temperature, the direct-current (DC) conductivity was found to be the highest for the Li<sub>1.2</sub>Ni<sub>0.3</sub>Co<sub>0.3</sub>O<sub>2</sub> cathode material with a value of 3.64 × 10  $^{-4}$  S/cm. Various conducting mechanisms are proposed for the prepared cathode materials based on Jonscher's power law. The activation energy is seen to increase with increasing Mg concentration, which helps to produce a defect-less or ordered homogeneous structure. Furthermore, the value of the power-law exponent n is found to decrease with increasing Mg concentration. For the Li<sub>1.2</sub>Ni<sub>0.3</sub>Mg<sub>0.3</sub>Co<sub>0.3</sub>O<sub>2</sub> sample, the n value decreases with increasing temperature and is found to be less than 1 at higher temperatures, indicating the orderliness of the system. Cyclic voltammetry (CV) measurements confirmed that Mg substitution delayed the oxidation and reduction processes, thus enhancing the operating voltage of the electrochemical cell.

Key words: Cathode material, layered structure, electrical conductivity, transport mechanism, cyclic voltammetry

#### INTRODUCTION

In recent years, the need for portable power has increased due to the miniaturization of electronic appliances, where in some cases the battery system may account for as much as half the weight and volume of the powered device. A battery is made up of one or more interconnected electrochemical cells.

The energy density and cost of such cells mainly depend on the cathode material used. Hence, a great volume of research on cathode materials has been carried out. Based on their structure, cathode materials for use in lithium batteries can be classified into layered type (LiMO<sub>2</sub>), spinel type (LiMO<sub>2</sub>), olivine type (LiMPO<sub>4</sub>), and tavorite type (LiMSO<sub>4</sub>F). Among the layered-type cathode materials several materials such as LiCoO<sub>2</sub> (LCO), LiNi<sub>0.8</sub> Co<sub>0.12</sub>Al<sub>0.00</sub>O<sub>2</sub> (LCA), and LiNi<sub>0.30</sub>Co<sub>0.33</sub>Mn<sub>0.30</sub>O<sub>2</sub> (NMC) are commercialized. The main drawback of layered-type materials is their structural instability

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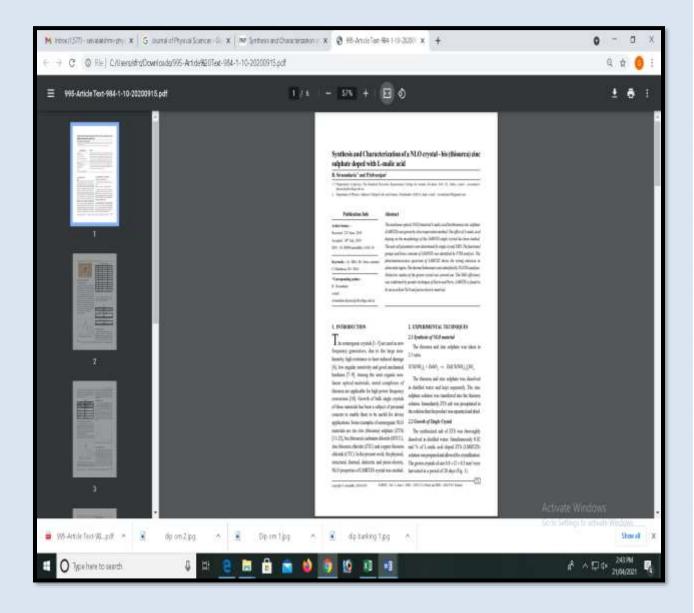


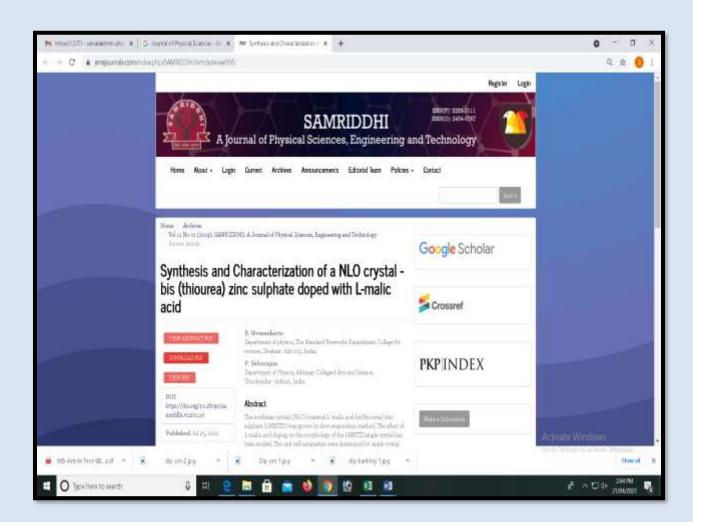
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: Synthesis and Characterization of a NLO crystal-bis

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Name of the Teachers : Mrs.M.Nithya

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application in energy saving battery

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Eco-friendly Biopolymer kappa Carrageenan with NH<sub>4</sub>Br Application in Energy Saving Battery

M. Nithya, M. Alagar, B. Sundaresan

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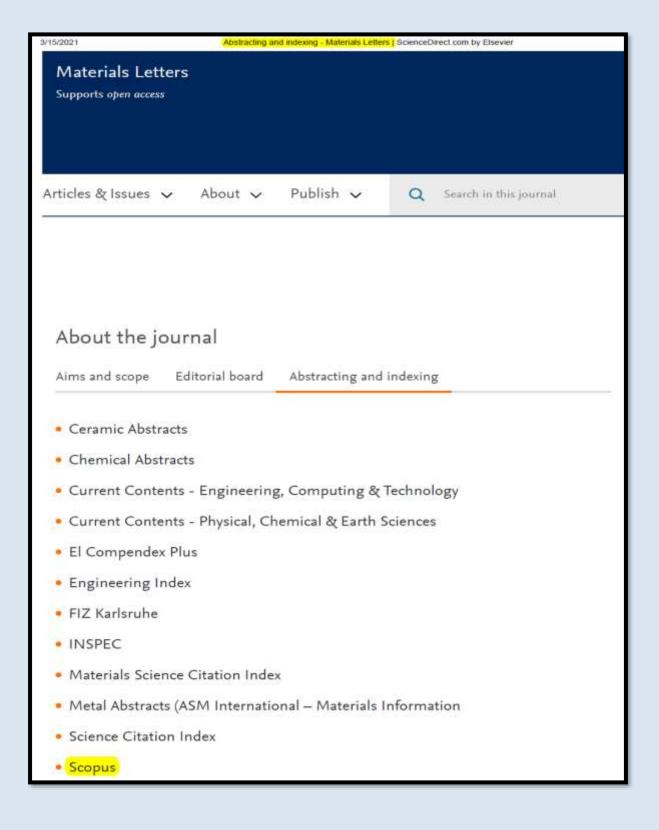
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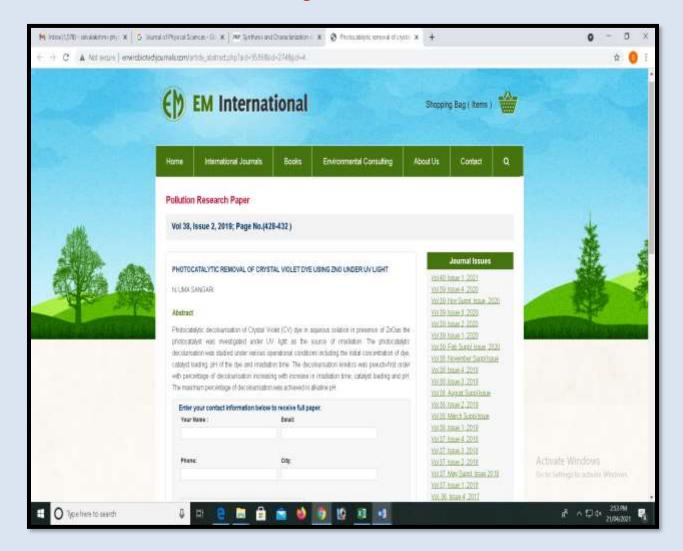


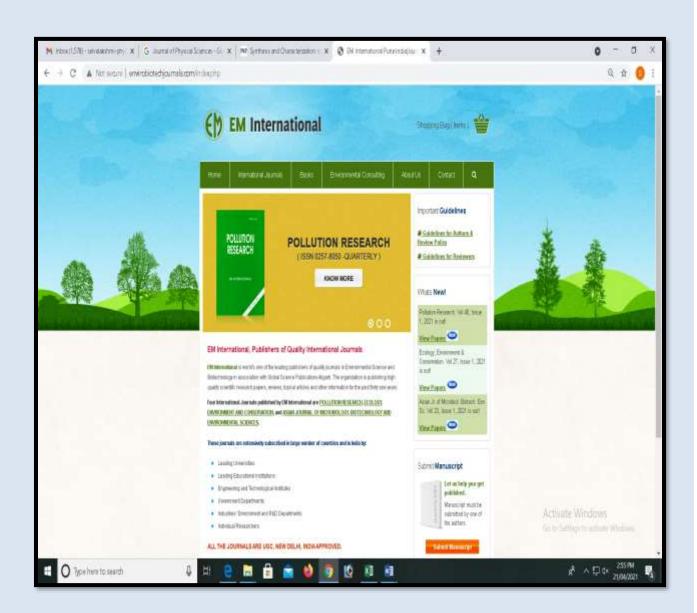
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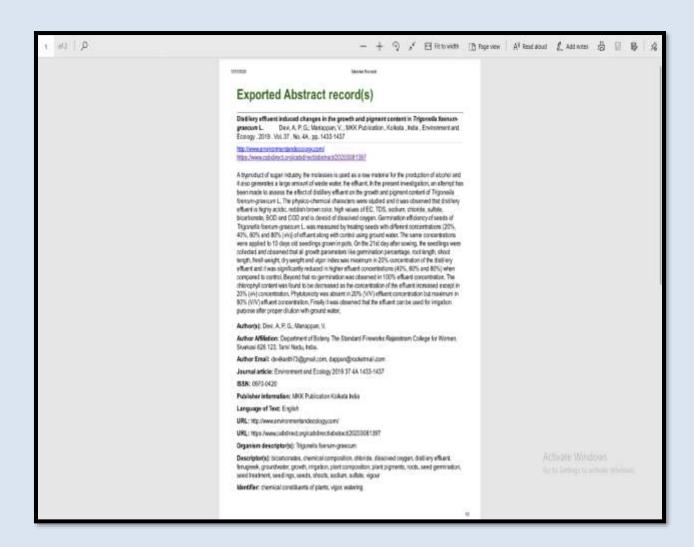
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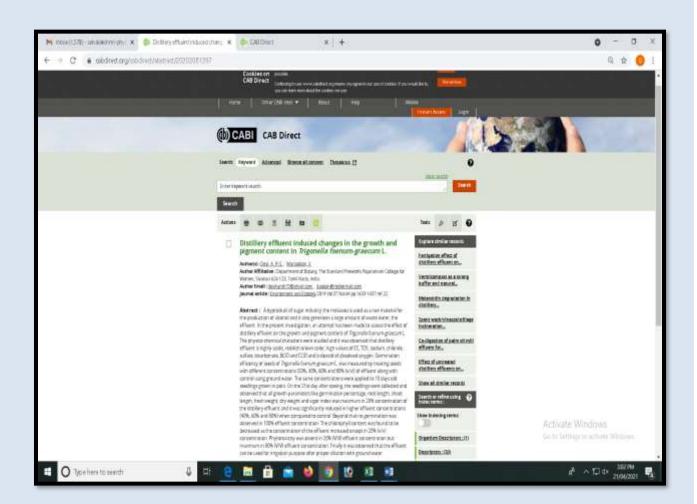
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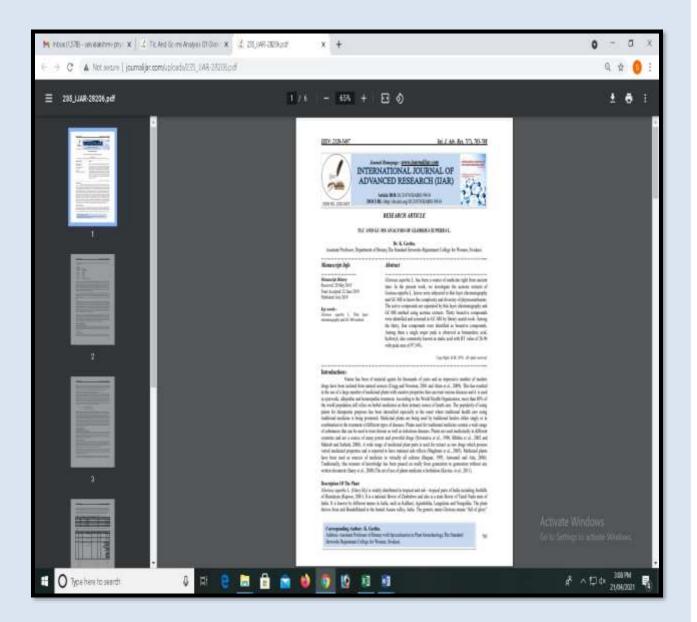


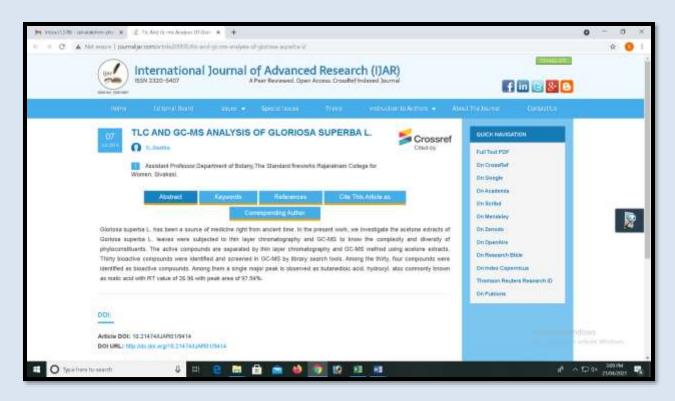


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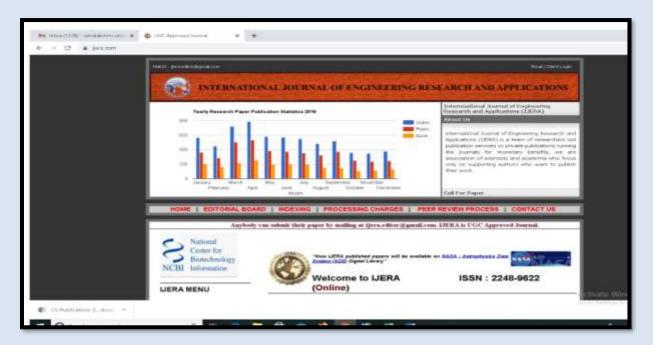


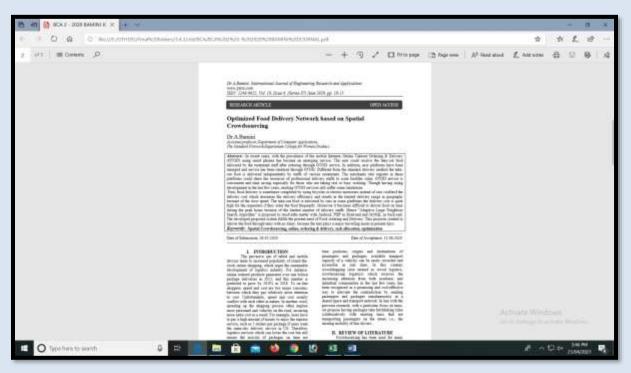
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Name of the Teachers Title of the Paper

: Dr.S.Radha

: Optimized parameters using Box-Behnken design

Methodology facilitate Enhanced Phenol degradation of **Bacillus cereus PB1 by Immobilization and Adsorption** 

DOI: 10.1002/tqem.21708

#### RESEARCH ARTICLE

WILEY

Optimized parameters using Box-Behnken design methodology facilitate enhanced phenol degradation of Bacillus cereus PB1 by immobilization and adsorption

Selvaraj Radhathirumalaiarasu 🔾 📗 Graham Karthikeyan Mahalakshmi

Selvarai Radhathirumalai arasu. Department of Microbiology, The Standard fireworks Rajaratnam College for Women, Sivakasi 626-123, Tamil Nadu India.

#### Abstract

Phenolic compounds are toxic organic pollutants that are released into the environment through wastewater discharged from several industries. Biodegradation is considered as a most suitable ecofriendly approach for the removal of phenolic waste. Experiments were conducted based on response surface methodology in the batch system to evaluate the requirement of optimum inoculum density, phenol concentration, and incubation period for degradation phenol by strain Bacillus cereus PB1 isolated from polluted site. Box-Behnken design used to analyze the interactions among variables for maximum phenol degradation. Results show optimized parameters of 1% (v/v) initial inoculums, 650 mg L-1 of phenol concentration, and 36 hours of incubation period enhance phenol degradation (402 mg L-1). Analysis of variance (ANOVA) was conducted, and the F-value was 302.77, which implies that the model is significant. The predicted R-squared of 0.9590 is close to the adjusted R-squared of 0.9941, and the P value gives the significance of the coefficient and also indicates the pattern of interactions between the coefficients. Further immobilization experiments performed under an optimized condition infer improved phenol degradation by immobilized cells (464.52 mg L-1). An attempt to investigate the supplementation of culture for increasing adsorption efficiency along with thermally treated rice straw proven about 96.56% of phenol removal.

Bacillus cereus, Box-Behnken, immobilized, phenol degradation, rice straw

#### 1 INTRODUCTION

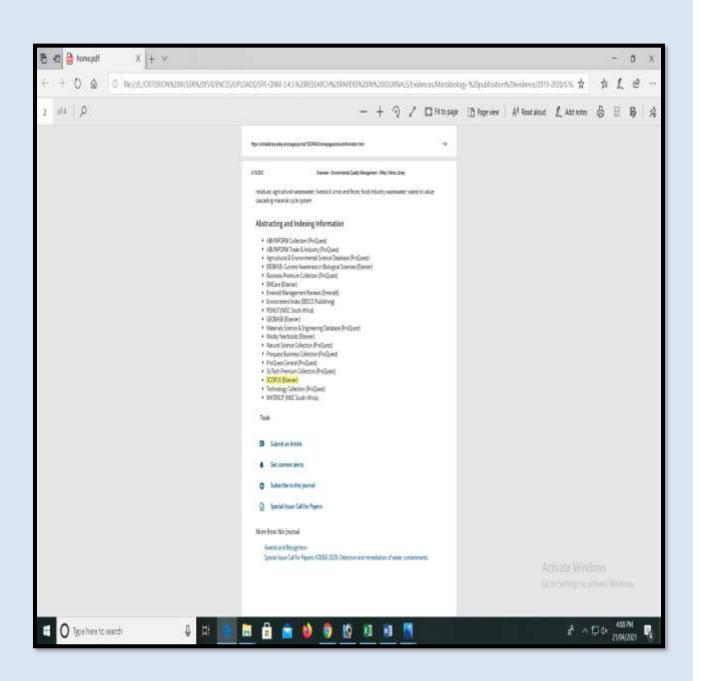
Phenolic compounds are harmful pollutants that are released into the environment through wastewater discharged from a variety of industries such as leather, phenol-formaldehyde resin, oil refinery, coking plant, pharmaceutical and coal conversion (Arutchelvan et al., 2006), A small quantity of phenol is added during UV irradiation (sunlight) from amino acids in plant hemicellulose and on tyrosine transformation in directive track. As phenol is stable, resistant to self-degradation in liquid state, it accumulates in soil and groundwater. Hence, phenol

can also be detected in rainwater, surface water, and drinking water (Filipowicz et al. 2017). The oboto-oxidation of aromatic bydrocarbons. in the atmosphere produces nitrated phenols such as 2-nitrophenol (2-NP), 4-nitrophenol (4-NP), and methyl nitro-phenols (Yuan et al., 2016). Phenol and its derivatives are toxic and carcinogenic relatively at low levels of 5-25 me L-1 (El-Naas, Al-Muhtaseb, & Makhlouf, 2009). To reduce environmental pollution, proper treatment and removal of phenol is prerequisite before the discharge of wastewater from chemical and petroleum industries. The conventional treatment strategies using activated carbon adsorption, ion exchange, solvent

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Name of the Teachers Title of the Paper

: Dr.A.Karthika

: Cellulolytic Bacteria Isolation, Screening and Optimization of enzyme Production from Vermicompost of Paper cup waste

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Cellulolytic bacteria isolation, screening and optimization of enzyme production from vermicompost of paper cup waste



A. Karthika 4.1, R. Seenivasagan 4.6, R. Kasimani 4, O.O. Babalola 4, M. Vasanthy

- Department of Missphiology, Sondard Fireworks Reparaman College for Viennes, Sevidori (2012), Tamil Noda, India

   Department of Perioammental Biotechnology, Bhandidskoan University, Trachinappali (2002), Tamil Noda, India

   Department of Biotechnology, Kalaudingun Academy of Research and Education, Krishnanhail (2012), Tamil Noda, India

   Department of Microbiology, Nodria Arts and Science College, Combatore (2011), Tamil Noda, India

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Acinetobacter baumannii Microbial consortia oglucanase and #-glucosidase

In the current scenario, used paper cups are disposed of without any proper treatment, thereby damaging the environment. Hence, the vermicomposting technique is preferred for managing these wastes. The ability of hacterial strains on cellulase enzyme (Endoglucanase, exoglucanase and §-glucosidase) producasonity of naterial analysis of remains entryine (Enough natice; capacitates and psychothese; protection at altered pH and temperatures were focused in this study. Among nine bacterial strains Aciastobacter haumanni was found to have high entryme activity. HPLC analysis confirms that about 45% of cellulose degradation occurred due to the action of bacterial consortia at 37°C with pH 7. The overall period required for degradation takes only three months with the help of bacterial consortia while comparing to our previous study, which takes six months. The intilico study on three cellulose-degrading enzymes sequence were retrieved from NCIII, and analysed for multiple sequence alignment and pibly genetic tree construction. From the analysis, the endoglucanase SVR40132 (Arietobacter baumannii) sequence got docked with cellopentaose with a high score value -11.07. Thereby we confirm that organ-ism Acinetobacter humannii was effective in paper cup degradation.

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Currently, the amount of solid waste produced by Indian cities is 600 M tons per day. By the year 2021, this amount is expected to increase up to 1150 M ton solid waste (Vijay and Pandit, 2013). Another alarming fact is the amount of solid waste produced by the ubliquitous throwaway paper cups. Paper cups were reported to generate about 253 million pounds of solid waste per year (Whirley, 2008). Waste management by landfill and open dumps would cause aesthetic pollution to the environment. In tuning would case actious, pointuint to the errindinnent in the present study, vermicomposting of paper cup wastes was examined. Vermicompost technology is one of the eco-friendly methods for transforming waste into a nutrient-rich fertilizer, through the joint action of earthworms and microorganisms. Paper cups (Folypaper) are made up of 95% of high strength paper with 5% thin coating of Low-density polyethylene (LDPE). The polypaper present in the paper cup contains about 90% of cellulosic fibres.

\* Corresponding author at: Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, teda.

E-mail addresses: drawaranthy(12-0-gmail.com, drawwoih9-gmail.com)

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Cellulase is the common enzyme degrading cellulose. Endo-β-glucanase, Exo-β-glucanase and β-glucosidase are three main components comprising in cellulase enzyme which have been shown to act synergistically in the hydrolysis of cellulose to glucose (Emert et al., 1974; Baipai, 2018). This enzyme is produced by several microorganisms, especially by bacteria and fungi (Immanuel et al., 2006; Bansal et al., 2012; Meneses et al., 2016). Insilico techer al., 2006; Hansal et al., 2012; Meneses et al., 2016). Insuico tech-nique is one of the simplest and time-saving techniques to screen inque is often in estimptes and nine-saving termingors to Settempors to plex cellulosic waste materials such as bagasse (Kanosh et al., 1999; Michelin et al., 2015), coir waste (Nagasathya, 2014) have been already reported. No investigations are carried out both in analytical & insilico study regarding the bacterial cellulolytic activity present in the vermicomposting of paper cup waste. In this research, cellulolytic bacterial isolation, screening and optimization of enzyme production was done. The insilico studies were performed to test cellulose-degrading enzyme sequence, by multiple

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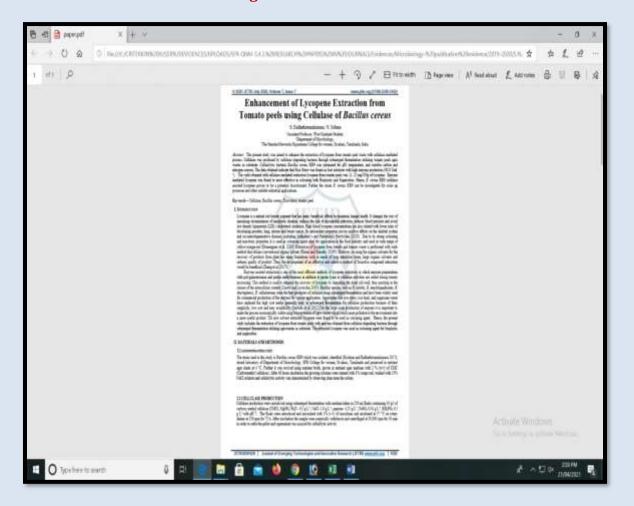


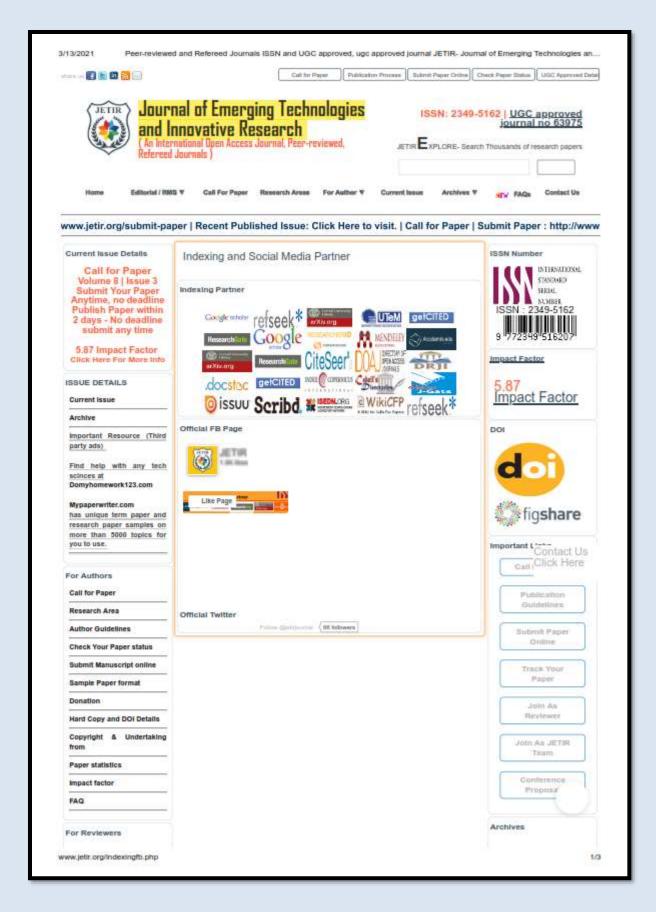
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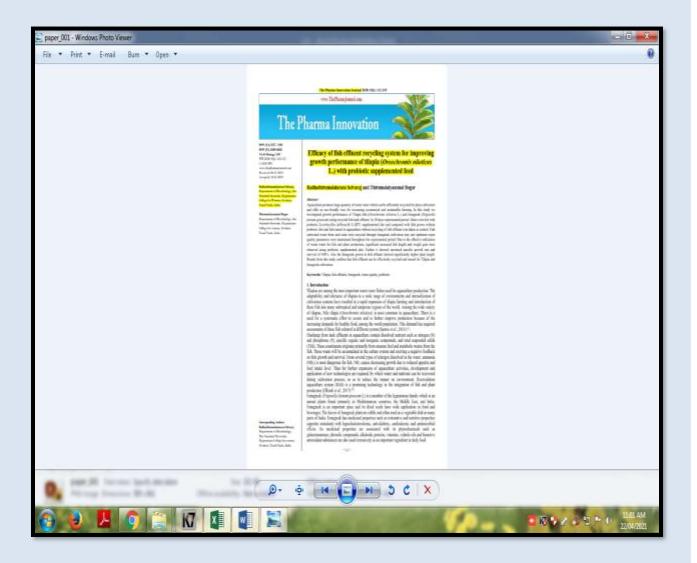
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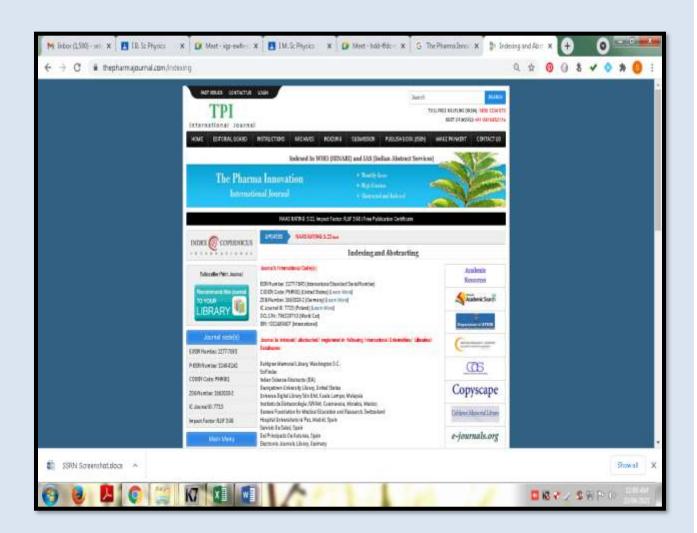
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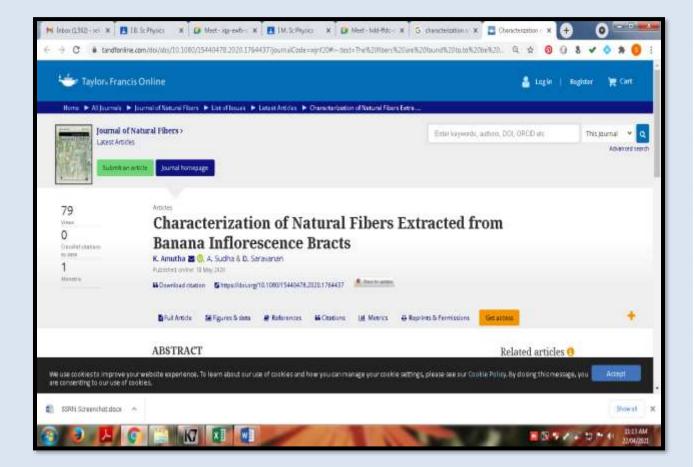


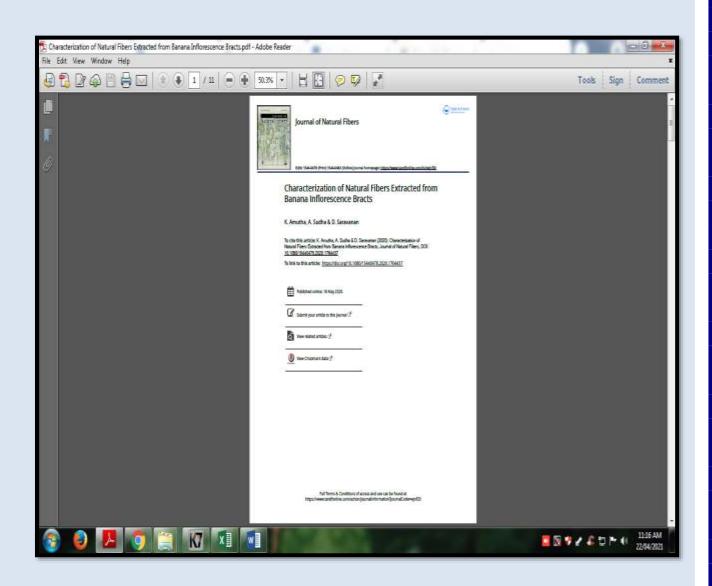
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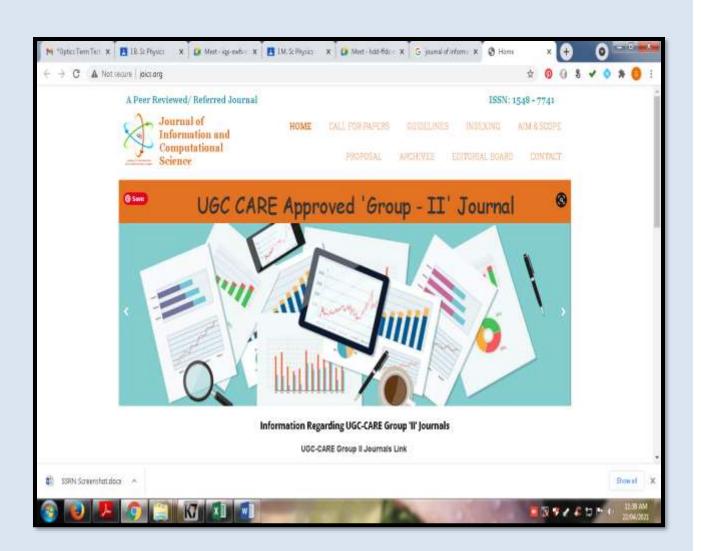
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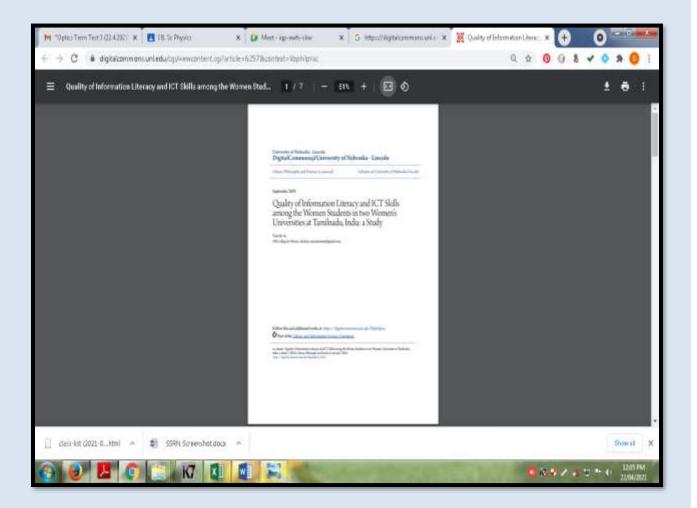
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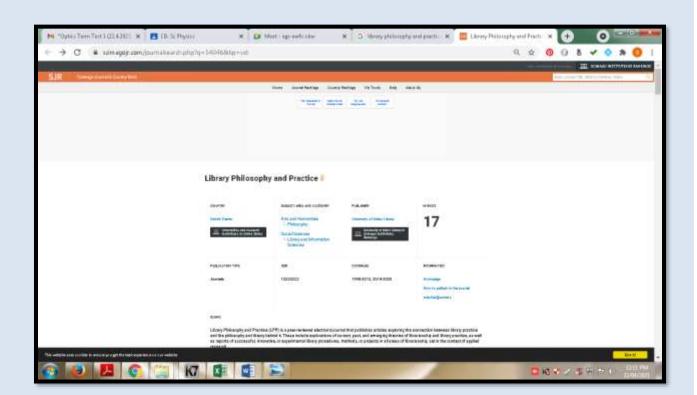
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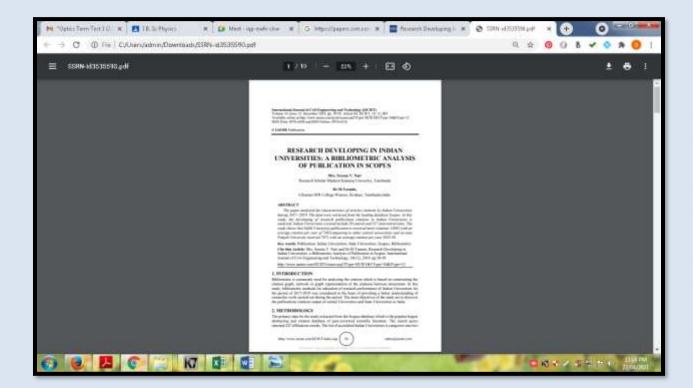


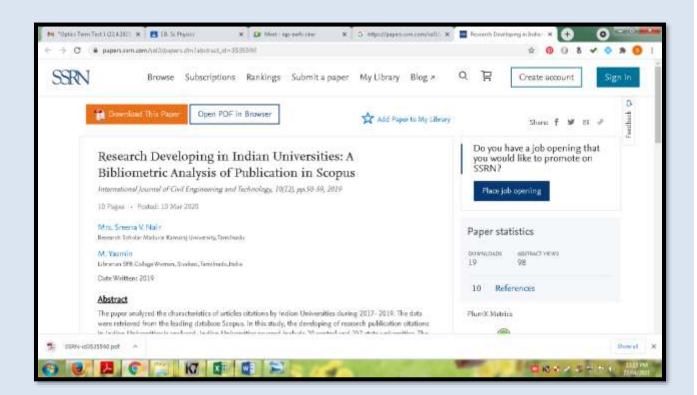
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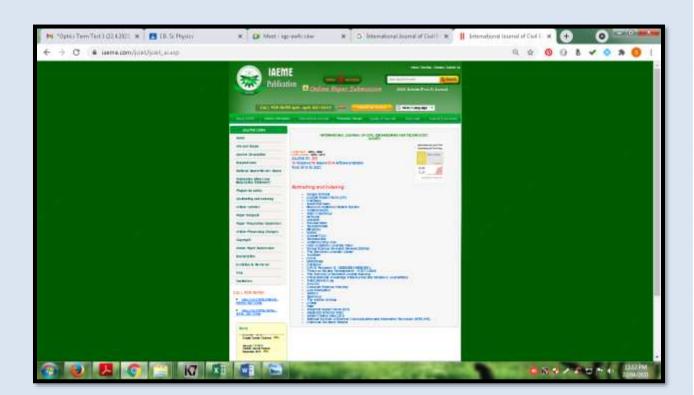
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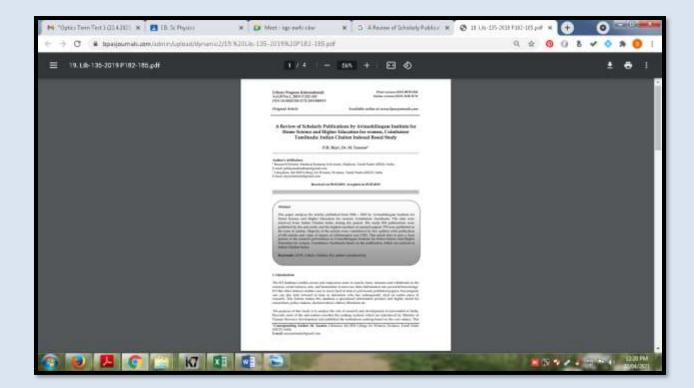
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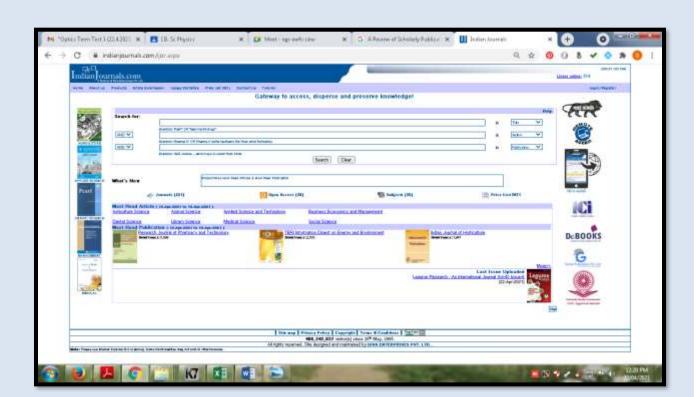
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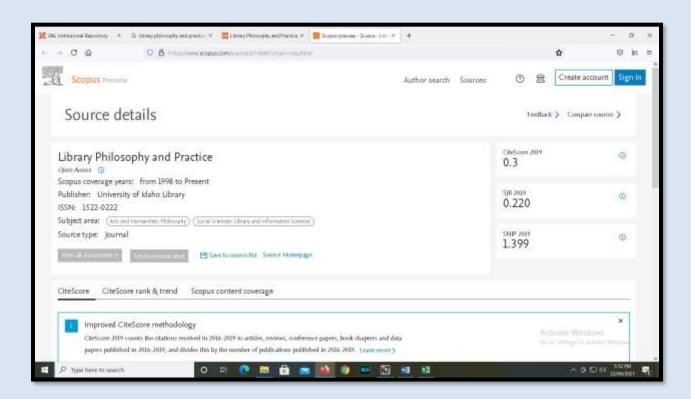
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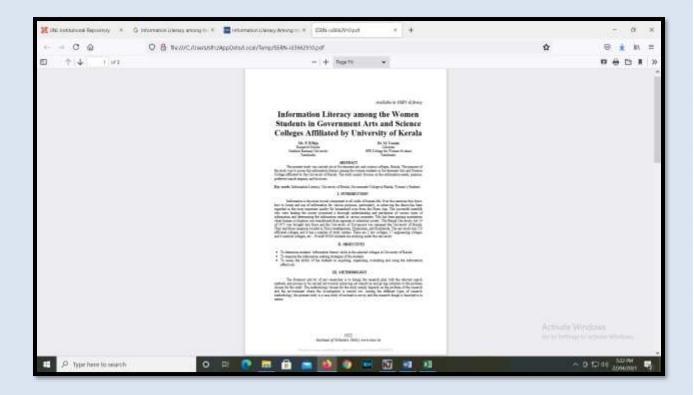


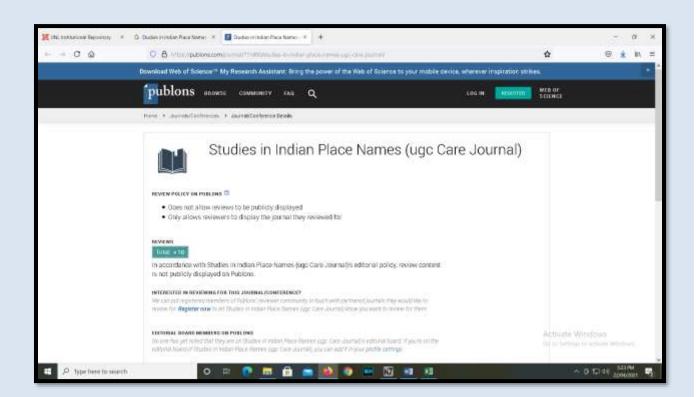
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