



# St. Martin's Engineering College

(UGC Autonomous)

NBA & NAAC A+ Accredited  
Dhulapally, Secunderabad-500 100  
www.smeec.ac.in



## Department: Science and Humanities

### Academic Year:2019-2020

IJ

Total number of research publications in international journals  
(SCI/SCOPUS/UGC Care II)

72

#### Details of research publications:

| S. No. | Name of Authors                 | Title of the Research Article   | Journal Detail<br>(Name, vol., issue./no., pp,<br>ISSN, IF/Cite_Score)                              | Month and<br>Year | Link  |
|--------|---------------------------------|---|---|-------------------|---|
| 1      | A. Sarveswara Reddy, K. Sathish | Comparison between Rural and Urban Socio-Economic Indicators in India   | International Journal of Engineering Science and Computing, vol.9, PP. 21863-21867, ISSN: 2229-5518 | May, 2019         | <a href="https://drive.google.com/file/d/1X19pQs0UxgkuR5QEFOIRjHLVWkWiSNEz/view?usp=sharing">https://drive.google.com/file/d/1X19pQs0UxgkuR5QEFOIRjHLVWkWiSNEz/view?usp=sharing</a> |
| 2      | T Vamshi Prasad                 | Relaxation dynamics of L-alanine in water medium investigated by dielectric relaxation spectroscopy   | Journal of Spectrochimica Acta, vol. 222, PP. 117274-117279,  | June, 2019        | <a href="https://drive.google.com/file/d/1NqUpi5X6Khv60g9MOYG_uNuswExvRBm/view?usp=sharing">https://drive.google.com/file/d/1NqUpi5X6Khv60g9MOYG_uNuswExvRBm/view?usp=sharing</a>   |
| 3      | T.Vamshi Prasad                 | Dielectric relaxation studies of aqueous L-glutamine-ethanol mixtures in the frequency range  | Elsevier-Journal of Molecular Liquids, vol. 293, PP. 111506-111516                                  | Aug, 2019         | <a href="https://drive.google.com/file/d/1RWgmAKVdAgV0I9-JfECP5EshXv8UJzTb/view?usp=sharing">https://drive.google.com/file/d/1RWgmAKVdAgV0I9-JfECP5EshXv8UJzTb/view?usp=sharing</a> |
| 4      | K Venkanna                      | Role of chamber pressure on crystallinity and composition of silicon films using silane and Methane as precursors in hot wire chemical vapour deposition technique. | Thin Solid Films, vol.682, PP. 126-130  | Nov, 2019         | <a href="https://drive.google.com/file/d/1-9ExOmPF-5huojZodHcSykBlz4A4762R/view?usp=sharing">https://drive.google.com/file/d/1-9ExOmPF-5huojZodHcSykBlz4A4762R/view?usp=sharing</a> |
| 5      | T. Vamshi Prasad                | Investigation of temperature dependent dielectric relaxation studies of 1,4-Butanediol/DMSO binary mixtures at the microwave frequency                              | Journal of Molecular Liquids, vol . 299, pp. 112190-112203  | Nov, 2019         | <a href="https://drive.google.com/file/d/1x21sH0KO K18vkMoygi82YHslHTiLU7in/">https://drive.google.com/file/d/1x21sH0KO K18vkMoygi82YHslHTiLU7in/</a>                               |

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|    |                  |   |   |           | <a href="#">view?usp=sharing</a>  |
| 6  | Kumara Raja      | Nd <sup>3+</sup> and Nb <sup>5+</sup> Co-Substitution Inducing a Large Electrocaloric Response in Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> Lead-Free Ceramics | Physica Status Solidi, vol .142, PP. 1900001- 1900008   | Nov, 2019 | <a href="https://drive.google.com/file/d/1iGYkfy-4weQsbLpJVCNhqp_dewWqnpZf/view?usp=sharing">https://drive.google.com/file/d/1iGYkfy-4weQsbLpJVCNhqp_dewWqnpZf/view?usp=sharing</a> |
| 7  | Kumara Raja      | Co-substitution of Er/Yb on structural and electrical properties of NKBT-BCZT solid solutions   | SN Applied Sciences, vol .1, pp. 1-8  | Nov,2019  | <a href="https://drive.google.com/file/d/1xDVmYqS4fLa10dkOqqYdP1dg4pzdEn/view?usp=sharing">https://drive.google.com/file/d/1xDVmYqS4fLa10dkOqqYdP1dg4pzdEn/view?usp=sharing</a>     |
| 8  | Randheer Donthi  | A Comparative Study Between Multi Queue Multi Server And Single Queue Multi Server Queuing System   | International Journal of Scientific & Technology Research, vol - 8, pp. 1821-1824, ISSN 2277-8616 | Dec, 2019 | <a href="https://drive.google.com/file/d/1yWhRGKVotc1qX7z0lhOYr-0GZOZOAMie/view?usp=sharing">https://drive.google.com/file/d/1yWhRGKVotc1qX7z0lhOYr-0GZOZOAMie/view?usp=sharing</a> |
| 9  | Ranadheer Donthi | A glans on the estimation of cobb-douglas production functional model   | Journal of Applied Physics , vol - 2177, pp. 20067-1-4  | Dec,2019  | <a href="https://drive.google.com/file/d/1xCB7YsfTCtuOczCUtbWtu4anlWiQS_WK/view?usp=sharing">https://drive.google.com/file/d/1xCB7YsfTCtuOczCUtbWtu4anlWiQS_WK/view?usp=sharing</a> |
| 10 | Ranadheer Donthi | Estimation methods of nonlinear regression models   | AIP Conference Proceedings, vol . 2177, pp. 200811-5  | Dec,2019  | <a href="https://drive.google.com/file/d/1U-skm6XpGzpaNvvYwAULoyJI5nefddaz/view?usp=sharing">https://drive.google.com/file/d/1U-skm6XpGzpaNvvYwAULoyJI5nefddaz/view?usp=sharing</a> |
| 11 | Ranadheer Donthi | Numerical techniques of nonlinear regression model estimation   | AIP Conference Proceedings, vol . 2177, PP. 020082-1-6  | Dec,2019  | <a href="https://drive.google.com/file/d/1IQIk3J5sEJvReoNcdpbc00NE4qmee091/view?usp=sharing">https://drive.google.com/file/d/1IQIk3J5sEJvReoNcdpbc00NE4qmee091/view?usp=sharing</a> |
| 12 | Ranadheer Donthi | On stochastic Linear regression model selection   | AIP Conference Proceedings, vol. 2177, pp. 20068-1-4  | Dec,2019  | <a href="https://drive.google.com/file/d/1xijNIL5YzTYKlru9pWxBkuWBV6eXvWPU">https://drive.google.com/file/d/1xijNIL5YzTYKlru9pWxBkuWBV6eXvWPU</a>                                   |

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| 13 | Ranadheer Donthi         | On misspecification tests for stochastic linear regression model   | AIP Conference Proceedings, vol. 2177, pp. 020039-1-5   | Dec,2019 | <a href="https://drive.google.com/file/d/1_c3HVdaVPNI0sefKHjDnSJJZyf8icZCr/view?usp=sharing">https://drive.google.com/file/d/1_c3HVdaVPNI0sefKHjDnSJJZyf8icZCr/view?usp=sharing</a>   |
| 14 | Ranadheer Donthi         | Criteria for selection of stochastic linear model selection  | AIP Conference Proceedings vol. 2177, PP. 020041-1-5  | Dec,2019 | <a href="https://drive.google.com/file/d/1cslq8SWlcwWCEb7dD0FgdYH4QSdRAFy0/view?usp=sharing">https://drive.google.com/file/d/1cslq8SWlcwWCEb7dD0FgdYH4QSdRAFy0/view?usp=sharing</a>   |
| 15 | S. Malli Babu, K.Sathish | Using Free and Open Source Software in the Selected Organizations in India: No budget, No Worries                                      | Pramana Research Journal, vol - 9, pp 618-631 ISSN NO: 2249-2976  | Dec,2019 | <a href="https://drive.google.com/file/d/1azcszq3sL8zwQ0xWcjuL2hZgVtWEAhJ1/view?usp=sharing">https://drive.google.com/file/d/1azcszq3sL8zwQ0xWcjuL2hZgVtWEAhJ1/view?usp=sharing</a>   |
| 16 | Ranadheer Donthi         | A Concise Study and Analysis on Service Cost and Waiting Cost of the Multi Server Queuing Model  | International Journal of Disaster Recovery and Business Continuity, vol - 11, pp.1075-1081 ISSN: 2005-4289  | Jan,2020 | <a href="https://drive.google.com/file/d/1nGsNBxJT44EkXvht9gDBGJas6wRgFEB5/view?usp=sharing">https://drive.google.com/file/d/1nGsNBxJT44EkXvht9gDBGJas6wRgFEB5/view?usp=sharing</a>   |
| 17 | T. Vamshi Prasad         | Frequency and temperature dependent dielectric studies of propylene glycol-sulfolane binary mixtures in the microwave frequency region | Elsevier - Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol - 233, pp 1-10<br><a href="https://doi.org/10.1016/j.saa.2020.118189">https://doi.org/10.1016/j.saa.2020.118189</a> | Feb,2020 | <a href="https://drive.google.com/file/d/1QyL0iXULScv7Kv9s0vNXjcbjyjkfxgrcZ/view?usp=sharing">https://drive.google.com/file/d/1QyL0iXULScv7Kv9s0vNXjcbjyjkfxgrcZ/view?usp=sharing</a> |
| 18 | Ranadheer Donthi         | The Design of the Flyover Toll Plaza Model to Minimize the Construction Area of Toll Plaza   | International Journal on Emerging Technologies, vol - 11(2), ISSN No. 2249-3255   | Mar,2020 | <a href="https://drive.google.com/file/d/1pFDRY8cR7WRcHkf8cGYl9dDwE5j1EOK2/view?usp=sharing">https://drive.google.com/file/d/1pFDRY8cR7WRcHkf8cGYl9dDwE5j1EOK2/view?usp=sharing</a>   |
| 19 | T. Vamshi Prasad         | Dielectric relaxation and thermodynamic study of Dimethylformamide/1,4-Butanediol binary mixtures in the temperature range 298K–323K   | Elsevier-Physica B: Physics of Condensed Matter, vol - 588, pp 1 13<br><a href="https://doi.org/10.1016/j.physb.2020.412142">https://doi.org/10.1016/j.physb.2020.412142</a>                            | Mar,2020 | <a href="https://drive.google.com/file/d/1HzZrKkCCfnf_oGxIwZ_ZHeVI6DAUc03b/view?usp=sharing">https://drive.google.com/file/d/1HzZrKkCCfnf_oGxIwZ_ZHeVI6DAUc03b/view?usp=sharing</a>   |

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| 20 | Kandula Kumara Raja  | Structural,microstructural and optical property studies on sol-gel synthesized Cr/Fe-doped CuO nanoparticles | Journal of Physics: Conference Series, IOP, vol - 1495, doi:10.1088/1742-6596/1495/1/012011 | Mar,2020   | <a href="https://drive.google.com/file/d/1N1IPspWby5j6T77YwLiRg-MixIHsvS6v/view?usp=sharing">https://drive.google.com/file/d/1N1IPspWby5j6T77YwLiRg-MixIHsvS6v/view?usp=sharing</a>       |
| 21 | S.Mallibabu          | A Survey on Cloud Computing and Security Applications  | International Journal of Research, vol - 9, pp 7383-7389 ISSN NO:2236-6124                  | Mar,2020   | <a href="https://drive.google.com/file/d/1Ey4HTk1Jx6tITSWVb4Kt0DDygs5mQib9/view?usp=drive_link">https://drive.google.com/file/d/1Ey4HTk1Jx6tITSWVb4Kt0DDygs5mQib9/view?usp=drive_link</a> |
| 22 | Upenderkarka         | Liquid Flow in a Deformable Porous Materials   | Alochana Chakra Journal, vol .9, pp 3776 - 3790 NO:2231-3990                                | April,2020 | <a href="https://drive.google.com/file/d/1ciUr1t04DPJCNdhgKPoJr5ZR6x1_NKc/view?usp=sharing">https://drive.google.com/file/d/1ciUr1t04DPJCNdhgKPoJr5ZR6x1_NKc/view?usp=sharing</a>         |
| 23 | Gajula Chandra Mohan | A Numerical analysis for viscous fluid flow by using differential equation in computation fluid dynamics     | Mukt Shabd Journal, vol - 9, pp 2347-3150 ISSN no:2347-3150                                 | April,2020 | <a href="https://drive.google.com/file/d/1dn14IbKrfSdFjwViNffTLZ3KPJ4e8oHd/view?usp=sharing">https://drive.google.com/file/d/1dn14IbKrfSdFjwViNffTLZ3KPJ4e8oHd/view?usp=sharing</a>       |
| 24 | G. Vanaja            | Graphical theory evaluation by using differential equations  | Mukt Shabd Journal, vol - 9, pp. 3751-3758 ISSN NO: 2347-3150                               | April,2020 | <a href="https://drive.google.com/file/d/1exL0-aL3GQFFVm22dzIHuUvX1TCbVX1J/view?usp=sharing">https://drive.google.com/file/d/1exL0-aL3GQFFVm22dzIHuUvX1TCbVX1J/view?usp=sharing</a>       |
| 25 | M.Jhansi Lakshmi     | Numerical analysis of frequency in aero systems coated with meta materials using transfer matrix method      | Mukt Shabd Journal, vol - 9, pp 82-88 ISSN no:2347-3150                                     | April,2020 | <a href="https://drive.google.com/file/d/1q5Lx5bdzgNlxCNe53c6nXZZS5tMnat6c/view?usp=sharing">https://drive.google.com/file/d/1q5Lx5bdzgNlxCNe53c6nXZZS5tMnat6c/view?usp=sharing</a>       |
| 26 | K.Chandra Kala       | The Efforts of Enlightenment: Disaster and destructive of both art and of the world                          | Tathapi, vol - 6, ISSN 2320-0693  | April,2020 | <a href="https://drive.google.com/file/d/1MzeQYiISkq8NGtgWPD-VGeaiRuo0LjR5/view?usp=sharing">https://drive.google.com/file/d/1MzeQYiISkq8NGtgWPD-VGeaiRuo0LjR5/view?usp=sharing</a>       |

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| 35 | K.Sudha, T.Aruna Rani            | A Feasibility Analysis Of Indian Pharma Sector On Financial Growth  | Mukt Shabd Journal, vol - 9,pp 3352-3360 ISSN NO : 2347-3150   | April,2020 | <a href="https://drive.google.com/file/d/1eYC_Awmx4rA0khiPQIV82Dw9Z1QYqzu/view?usp=sharing">https://drive.google.com/file/d/1eYC_Awmx4rA0khiPQIV82Dw9Z1QYqzu/view?usp=sharing</a>   |
| 36 | K.Sathish,<br>A.Sarveswara Reddy | An Analysis On Consumer Perception Towards Corporate Social Responsibility Practices In India                   | International Journal for Research in Engineering Application & Management, vol - 6,pp494-503 ISSN : 2454-9150 | April,2020 | <a href="https://drive.google.com/file/d/1pYmA050MHCepfZpPtbgV30ICPSQ52wh6/view?usp=sharing">https://drive.google.com/file/d/1pYmA050MHCepfZpPtbgV30ICPSQ52wh6/view?usp=sharing</a> |
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| 38 | Lakshmi.Indukuri                 | COMPARATIVE ANALYSIS OF HEAT TRANSFER ON FIN SURFACE WITH PARTIAL DIFFERENTIAL EQUATIONS                        | Mukt Shabd Journal, vol - 9, pp.3424-3431 ISSN NO : 2347-3150  | April,2020 | <a href="https://drive.google.com/file/d/1focupOu7UhfguN8632LyPv-2phwJhB/view?usp=sharing">https://drive.google.com/file/d/1focupOu7UhfguN8632LyPv-2phwJhB/view?usp=sharing</a>     |
| 39 | Tangi Swathi<br>Jyothsna         | A FEASIBILITY STUDY ON HR MANGEMENT ON RECRUTING MARKETING PEOPLE IN MEDICAL LOGISTICS                          | Mukt Shabd Journal, vol - 9, pp3703-3709 ISSN NO : 2347-3150   | April,2020 | <a href="https://drive.google.com/file/d/1tLdgvzmxRUSDt24VyQO_AeZy-8vCPo-W/view?usp=sharing">https://drive.google.com/file/d/1tLdgvzmxRUSDt24VyQO_AeZy-8vCPo-W/view?usp=sharing</a> |
| 40 | Someshwar Siddi                  | Solving Fuzzy Lpp For Pentagonal Fuzzy Number Using Ranking Approach  | Mukt Shabd Journal, vol - 9, 2675-2679 Issn No : 2347-3150   | May,2020   | <a href="https://drive.google.com/file/d/1rqIb7Tt-Qx_kGnG-vHEpY9ykZYJFdXSe/view?usp=sharing">https://drive.google.com/file/d/1rqIb7Tt-Qx_kGnG-vHEpY9ykZYJFdXSe/view?usp=sharing</a> |

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| 41 | C Vamshi Krishna               | Factors Influencing Academic Achievement Mathematics                                   | Alochana Chakra Journal, vol - 4, pp 2884-2889 ISSN : 2231-3990  | May,2020 | <a href="https://drive.google.com/file/d/1GS7vZrjiFlfZ4y8jbKaUUIIJ4nxKcYs0/view?usp=sharing">https://drive.google.com/file/d/1GS7vZrjiFlfZ4y8jbKaUUIIJ4nxKcYs0/view?usp=sharing</a>     |
| 42 | B.Ramadevi                     | Mathematical equations on kinematic theory for robotic applications                    | The International journal of analytical and experimental modal analysis, vol - 12, pp152-159 ISSN NO:0886-9367 | May,2020 | <a href="https://drive.google.com/file/d/1-GToEO1RllsFuNtUQFWmYzMEzYB3pdvS/viiew?usp=shariing">https://drive.google.com/file/d/1-GToEO1RllsFuNtUQFWmYzMEzYB3pdvS/viiew?usp=shariing</a> |
| 43 | Dr.Nilamadhab Panda            | Teaching EFL to Young Learners in Large Classes: Difficulties Faced by Indian Teachers | Tathapi, vol - 19, pp 226 230 ISSN: 2320-0693  | May,2020 | <a href="https://drive.google.com/file/d/1UHnwk3LWBT9d38WCPhsWUmpdKUHHJyT0/view?usp=sharing">https://drive.google.com/file/d/1UHnwk3LWBT9d38WCPhsWUmpdKUHHJyT0/view?usp=sharing</a>     |
| 44 | GADDAM LAXMIKANTH              | The Kaleidoscopic view of A.K.Ramanujan's Poetry                                       | Tathapi, vol - 19, pp81 85 ISSN: 2320-0693   | May,2020 | <a href="https://drive.google.com/file/d/1SFWdc7SfbyULgPcohs-m86Kw7JOHg-vS/view?usp=sharing">https://drive.google.com/file/d/1SFWdc7SfbyULgPcohs-m86Kw7JOHg-vS/view?usp=sharing</a>     |
| 45 | G.LaxmiKanth                   | Language learning designs and importance of vocabulary                                 | Alochana Chakra Journal, vol - 9, pp 159 162 ISSN NO:2231-3990   | May,2020 | <a href="https://drive.google.com/file/d/14CcrGS7xmvPRvIBNoYUZb_nwRWf5QBQ2/view?usp=sharing">https://drive.google.com/file/d/14CcrGS7xmvPRvIBNoYUZb_nwRWf5QBQ2/view?usp=sharing</a>     |
| 46 | J. Anjaneyalu & K. Chandrakala | Importance of Classroom Communication: Ecoding and Transmitting the Message            | Tathapi, vol - 19, pp 78 80 ISSN: 2320-0693  | May,2020 | <a href="https://drive.google.com/file/d/1li_b8Xh8GzYYX0LXF93yBvYJtWSDSuC/view?usp=sharimg">https://drive.google.com/file/d/1li_b8Xh8GzYYX0LXF93yBvYJtWSDSuC/view?usp=sharimg</a>       |
| 47 | Davagni Amani                  | Role of soft skills in shaping an individual's personality                             | Tathapi, vol - 19,pp 199 - 210 ISSN 2320-0693  | May,2020 | <a href="https://drive.google.com/file/d/1tmXP2pa4I6ZT_FC7E-Eno0psd9iBA1rs/view?usp=sharing">https://drive.google.com/file/d/1tmXP2pa4I6ZT_FC7E-Eno0psd9iBA1rs/view?usp=sharing</a>     |
| 48 | Bhaskara Rao Chintha           | Metacognitive Awareness and Motivation for the Development of                          | Tathapi, vol - 19, pp 14-19 ISSN: 2320-0693  | May,2020 | <a href="https://drive.google.com/file">https://drive.google.com/file</a>   |



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| <b>UC II</b>  | <b>Total number of research publications in UGC Care Journal</b> |   |   |                         |   |
|               | <b>Details of research publications</b>                          |   |   |                         |   |
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| 1             | NA   | NA  | NA  | NA                      |   |
| <b>NJ</b>     | <b>Total number of research publications in National Journal</b> |   |   |                         |   |
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