

## DEPARTMENT OF PHYSICS

### List of Publications

| S. No | Year | Name of the Faculty | Title of the Paper                                                                                                       | Name of the Journal                                                                                         | PageNo. & volume                 | National/ International | ISSN /ISBN No     |
|-------|------|---------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------|-------------------|
| 1     | 2021 | Smt. TALAT PARVEEN  | Observation Comparison Of Variation in Instability Indices in Different Weather Regions Of India Through Radiosonde Data | Journal Of Emerging Technologies And Innovative Research                                                    | Vol.8&Issue3<br><b>1601-1608</b> | International           | 2349-5162         |
| 2     | 2020 | Dr. M. SARADA       | Patent filing in India                                                                                                   | one day National Seminar on Intellectual property rights – Global Scenario, Paramount Publishing House      | 195-200                          | National                | 978-93-88808-77-4 |
| 3     | 2019 | Smt. TALAT PARVEEN  | Procedure to obtain patent in India                                                                                      | National Seminar proceeding of "Intellectual property rights- Global Scenario" Paramount Publishing House   | 206-207                          | National                | 978-93-88808-77-4 |
| 4     | 2019 | Dr. M. SARADA       | Innovative Pedagogical Practices in Higher Education                                                                     | Proceedings of One Day National Seminar on Role of Pedagogy in Higher Education, Paramount Publishing House | 27-31                            | National                | 978-93-88808-68-2 |

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|----|------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------|-------------------|
| 5  | 2019 | Dr. M. Sarada        | Strategies to Curb Women Trafficking in India                | Proceedings of Two Days International Seminar on International Terrorism and Women Trafficking: Issues and Concern-2019, Paramount publishing house | 447-449                        | National      | 978-81-939248-7-7 |
| 6  | 2019 | Dr. G.MAHABOOB BASHA | Atmospheric Boundary Layer                                   | Review of Research Impact Factor : 5.7631                                                                                                           | 1-7                            | International | 2249-894          |
| 7  | 2018 | Smt. TALAT PARVEEN   | Achieving Gender Equality through Education sector           | Diamond jubilee National seminar on “Changing scenario of women in the Era of Globalization- Issues and concerns”                                   | 188-189                        | National      | 97893-85101-410   |
| 8  | 2018 | Smt. TALAT PARVEEN   | Implementation of IoT based EMS using LoRa technology        | International journal for research innovations and trends                                                                                           | Vol6& Issue2, June2018 727-732 | International | 2456-3315         |
| 9  | 2018 | Smt. TALAT PARVEEN   | Design and Implementation of IoNT based communication system | International journal of creative research thoughts                                                                                                 | Vol3,Issue 8 Aug2018, 103-106  | International | 2320-2882         |
| 10 | 2018 | Dr. M. SARADA        | Empowering Indian Women in Science and Technology            | National Seminar on Changing Scenario of Women in Era of Globalization: Issues and Concerns-2018 , Paramount Publishing house                       | 298-301                        | National      | 978-93-85101-41-0 |

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|----|------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------|---------------|------------------|
| 11 | 2018 | Dr. G.MAHABOOB BASHA | Deployment Of Lightning Sensors For Understanding Of Lightning Thunderstorm Precipitating Systems Over Northeast Region Of India  | Journal of Emerging Technologies and Innovative Research                                                                | 614-622 | International | 2349- 5162       |
| 12 | 2018 | Dr. G.MAHABOOB BASHA | Study Of Microphysical And Thermodynamic Indices In Forecasting Pre-Monsoon Thunderstorm Over Guwahati During STORM-2009 And 2010 | International Journal of Creative Research Thoughts                                                                     | 670-684 | International | 2320-2882        |
| 13 | 2018 | Dr. G.MAHABOOB BASHA | 76 Deployment Of Automatic Weather Station For Village Information Systems Over Kadapa And Nellore                                | Journal of Emerging Technologies and Innovative Research                                                                | 76-83   | International | 2349- 5162       |
| 14 | 2018 | Dr. G.MAHABOOB BASHA | Village Information Systems - Prediction Of Weather For The Benefit Of Farmers                                                    | International Journal for Research in Applied Science & Engineering Technology<br>Impact Factor :6.887                  | 580-590 | International | 2321-9653;       |
| 15 | 2017 | Smt. TALAT PARVEEN   | Achieving Gender Equality- some policies in India                                                                                 | UGC( PBG) Sponsored two day National Seminar on “Human rights with special reference to Women Rights: Issues &Concerns” | 61-65   | National      | 97893-85101-43-4 |
| 16 | 2017 | Dr. G.MAHABOOB BASHA | Optical Properties Fluoroborate Glasses Doped With Praseodymium (Pr 3+)                                                           | Journal of Emerging Technologies and Innovative Research                                                                | 250-254 | International | 2349- 5162       |

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| 17 | 2017 | Dr. G.MAHABOOB<br>BASHA | A Study On Vertical<br>Structure Of Marine<br>Boundary Layer Over Palau<br>In The Tropical Western<br>Pacific | Journal of Emerging<br>Technologies and Innovative<br>Research                                                                                           | 243-249         | International | 2349- 5162            |
| 18 | 2017 | Dr. G.MAHABOOB<br>BASHA | Wind Profiler Observations<br>Of Shallow Convection Over<br>Palau In Tropical Western<br>Pacific              | International Journal for<br>Research in Applied Science<br>& Engineering Technology<br>Impact Factor:6.887                                              | 1551-<br>1558   | International | 2321-9653             |
| 19 | 2017 | Dr. G.MAHABOOB<br>BASHA | A Study On Meiyu Boundary<br>Layer Characterstics Over<br>Dongshan China Using Wind<br>Profiler Radar         | International Journal of<br>Current Research                                                                                                             | 58612-<br>58617 | International | 0975-833X             |
| 20 | 2017 | Dr. G.MAHABOOB<br>BASHA | Characteristics Of Low-<br>Level Jets On Meiyu<br>Precipitation Clouds Over<br>Dongshan, China                | International Journal of<br>Innovative Research in<br>Science, Engineering and<br>Technology (A High Impact<br>Factor & UGC Approved<br>Journal)         | 19237-<br>19249 | International | 2319-8753             |
| 21 | 2017 | Dr. G.MAHABOOB<br>BASHA | Reverse-Bias Leakage<br>Current Mechanisms In<br>Metal /GanSchottky Diodes                                    | Golden Research Thoughts<br>Impact Factor : 4.6052                                                                                                       | 1-11            | International | 2231-5063             |
| 22 | 2016 | Dr. M. SARADA           | Extinction Risk from<br>Climate Change                                                                        | National Seminar on<br>Anthropogenic<br>Environmental Change and<br>Emergence of Infectious<br>Diseases in Wild Life-2016,<br>Paramount Publishing house | 51-53           | National      | 978-93-<br>85100-70-3 |

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|----|------|----------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------|---------------|-------------------|
| 23 | 2016 | Dr. M. SARADA        | Environmental Impact Assessment                                                | National Seminar on Role of Chemistry in Human Health and Environmental Protection-2016, Paramount Publishing house | 161-163 | National      | 978-93-8150-132-8 |
| 24 | 2016 | Dr. M. SARADA        | Green Energy Sources                                                           | National Seminar on Advances in Green Chemistry-2016                                                                | 280-283 | National      | 978-93-85101-06-9 |
| 25 | 2016 | Dr. M. SARADA        | Radiation Therapy for Cancer                                                   | National Seminar on Cancer Biology-2016                                                                             | 173-176 | National      | 978-93-85101-21-2 |
| 26 | 2016 | Dr. M. SARADA        | Women and Globalization                                                        | ICSSR National seminar Proceedings on Globalization: A Strategy Towards Women's Empowerment, 2016                   | 286-288 | National      | 978-93-85101-15-1 |
| 27 | 2016 | Dr. M. SARADA        | Health Assessment of the River Ganga                                           | Jeeva Nadulu                                                                                                        | 194-196 | National      | 978-93-85132-10-0 |
| 28 | 2016 | Smt. S.VASAVI DEVI   | Nanotechnology in Cancer therapy                                               | Cancer Biology                                                                                                      | Vol-1   | National      | 978-93-85101-21-2 |
| 29 | 2016 | Dr. G.MAHABOOB BASHA | Solar Energy Systems – Impact On Environment                                   | Indian Streams Research Journal Impact Factor : 4.1625                                                              | 1-6     | International | 2230-7850         |
| 30 | 2016 | Dr. G.MAHABOOB BASHA | Amorphous Silicon thin-Film Transistors And Solar Cells On Flexible Substrates | Indian Streams Research Journal. Impact Factor : 4.1625                                                             | 1-10    | International | 2230-7850         |
| 31 | 2015 | Smt. TALAT PARVEEN   | Steps to reduce pollution to achieve swachh Bharat                             | UGC&APPCB sponsored one day National seminar on Swachh Bharat- Role of society                                      | 251-253 | National      | 978-93-85100-50-5 |

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| 32 | 2015 | Smt. TALAT PARVEEN | How to reduce daily work stress using yoga                                                     | National Seminar on Sports Nutrition and its impact on Personality Development          | 203-205  | National | 978-81-921580-6-8  |
| 33 | 2015 | Smt. TALAT PARVEEN | An overview of thin various thin film growth techniques                                        | One day National seminar on New trends in Advanced Materials                            | 119-122  | National | 978-93-85101-07-6  |
| 34 | 2015 | Smt. TALAT PARVEEN | Physics Education in 21st century                                                              | National Seminar on Innovations in Science Education- A research oriented Approach      | 133-134  | National | 978-93-82163-92-3  |
| 35 | 2015 | Smt. TALAT PARVEEN | Green Nano Technology                                                                          | National Seminar on Green chemistry-contribution to Environmental Sustainability        | 84-86    | National | 978-93-82163-16-19 |
| 36 | 2015 | Dr. M. SARADA      | An Effective Lecture Method- The Best Pedagogical Practice of Science Education                | National Seminar on Innovations in Science Education- A research oriented Approach      | 209- 211 | National | 978-93-82163-92-3  |
| 37 | 2015 | Dr. M. SARADA      | Yoga and Holistic Health                                                                       | National Seminar on Role of Sports and Nutrition: Its impact on personality development | 286-288  | National | 978-81-921580-6-8  |
| 38 | 2015 | Dr. M. SARADA      | Biodiversity Erosion in response to Global Climate Change                                      | New Horizons in Biotechnology, Paramount Publishing House, India                        | 180-182  | National | 978-93-82163-18-3  |
| 39 | 2015 | Dr. M. SARADA      | Conservation and Management” – A Tool for Environmental Protection and Sustainable Development | National Seminar On Green Chemistry: Contribution to the Environmental Sustainability   | 174-181  | National | 978-93-82163-16-9  |

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| 40 | 2015 | Smt. S. VASAVI DEVI  | Nano Materials in Renewable Energy                                                     | New Trends in advance materials                                         | 50& Vol-1                                  | National      | 978-93-85101-07-6 |
| 41 | 2015 | Smt. S. VASAVI DEVI  | Sanitation                                                                             | Swachh Bharat-Role of Society                                           | Vol-1                                      | National      | 978-93-85100-50-5 |
| 42 | 2015 | Dr. G.MAHABOOB BASHA | Led Sources - Relevance For Visual Signal Detection                                    | Indian Streams Research Impact Factor : 3.1560                          | 1-7                                        | International | 2230-7850         |
| 43 | 2014 | Dr. G.MAHABOOB BASHA | Synthesis and Structure Characterization of ZnTe Doped with Cd Semiconductor Thin film | Indian Journal of Applied Research Impact Factor : 2.1652               | 150-158                                    | International | 249-55x           |
| 44 | 2013 | Dr. M. SARADA        | “Strategies for Strengthening Higher Education System In India”                        | National Seminar on Reforms in Education System at under Graduate Level | 121-125                                    | National      | -                 |
| 45 | 2011 | Dr. M. SARADA        | Ahmad, Study on Microwave Dielectric Properties Of a Nervous Tissue-Brain              | Journal of Pure and Applied Physics                                     | 379-383 & Vol. 23, No. 3, July-Sept, 2011  | National      | 0974 – 8970       |
| 46 | 2011 | Dr. M. SARADA        | Study on Water Content in Biological Tissues                                           | Journal of Pure and Applied Physics                                     | 263-264 & Vol. 23, No. 2, April-June, 2011 | National      | 0974 – 8970       |

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| 47 | 2011 | Dr. M. SARADA | Epithelial Tissue- Study on Microwave Propagation Properties     | Journal of Pure and Applied Physics | 5 to 9 & Vol. 23, No. 1, Jan - March, 2011  | National | 0974 – 8970 |
| 48 | 2010 | Dr. M. SARADA | Microwave Propagation and Dielectric Study of Connective Tissues | Journal of Pure and Applied Physics | 613- 616 & Vol. 22, No. 4, Oct- Dec, 2010   | National | 0974 – 8970 |
| 49 | 2010 | Dr. M. SARADA | Microwave Dielectric Spectroscopy of Contractile Tissues         | Journal of Pure and Applied Physics | 587-592 & Vol. 22, No. 3, July - Sept, 2010 | National | 0974 – 8970 |
| 50 | 2010 | Dr. M. SARADA | Study on Biological Lossy Dielectrics at Microwave Frequencies   | Journal of Pure and Applied Physics | 385-394 & Vol. 22, No. 2, April- June, 2010 | National | 0974 – 8970 |