

## BIODATA

NAME & QUALIFICATION: D.MEENAKSHI M.Sc, M.Phil, M.Tech, UGC-NET

DESIGNATION: ASSISTANT PROFESSOR

DEPARTMENT NAME: PHYSICS

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Specialization if any: Digital Electronics & Microcontroller, Nano  
Electronics

Total Teaching Experience: 11 Years 10 Months

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### LIST OF ARTICLES PUBLISHED IN JOURNALS:

1. **“IMPROVED PERFORMANCE IN OFDM SYSTEMS BY PAPR REDUCTION TECHNIQUES”** NR Raajan, S Prabha, D. Meenakshi - 2013 International Conference on Computer Communication and Informatics,1-4, IEEE
2. **“COMPARE THE PERFORMANCE ANALYSIS FOR FFT BASED MIMO-OFDM WITH DWT BASED MIMO-OFDM”**D Meenakshi, S Prabha, NR Raajan - 2013 IEEE International Conference ON Emerging Trends in Computing, Communication and Nanotechnology (ICECCN), 441-445,IEEE.
3. **“DEVELOPING AN ERROR LOGGING FRAMEWORK FOR RUBY ON RAILS APPLICATION USING AOP** M Gomathy, VK Devi, D Meenakshi – 2014 World Congress on Computing and Communication Technologies,44-49,IEEE
4. **“LITERATURE REVIEW OF IMAGE COMPRESSION TECHNIQUE”** D.Meenakshi,VK Devi, International Journal of Computer Science & Engineering Technology (IJCSSET)H- INDEX: 3 ISSN : 2229-3345 Vol. 6 No. 05 May 2015,PPNO 286-288
5. **“SEMANTIC WEB TECHNOLOGIES IN SSLBASED CRYPTOGRAPHY DATA MANAGEMENT”** D.Meenakshi, T.Malathi,VK Devi, International Journal of Engineering Science Invention Research& Development Vol. II Issue IX March 2016 PPNO 596-599

6. **“E-BANKING OPPORTUNITIES AND CHALLENGES IN PRIVATE CLOUD COMPUTING”** on Primax Foundation Journal, Dr.K.Meena, D.Meenakshi, ISSN :2394-2886,4<sup>th</sup> June 2019,PPNO128-131.
7. **“HYBRID CLUSTERING ALGORITHM FOR SEGMENTATION OF NANOPARTICLES”** on AXJournal, D.Meenakshi & Dr.M.Padmavathy, volume IX, Issue V, May 2020.
8. **“NANO FABRICATION PROCESS IN NANOELECTRONICS”** Book entitled **“Advances in Science, Technology and Innovations**, D.Meenakshi &Dr.M.Padmavathy, Feb 2022, ISBN:978-93-93737-59-5
9. **“MOLECULAR STRUCTURE, VIBRATIONAL SPECTRAL STUDIES(UV),HOMO,LUMO ANALYSIS OF DIFLUORODINITROBENZENE BASED ON DENSITY FUNCTIONAL CALCULATIONS”** Book entitled **“Advances in Science, Technology and Innovations**, Dr.M.Padmavathy & D.Meenakshi, Feb 2022, ISBN:978-93-93737-59-5
10. PATENT - Title of Invention: **“DESIGNING A NANOSTRUCTURED PHOTOVOLTAICS ON SOLARPANELS TO INCREASE THE EFFICIENCY OF SOLAR ENERGY UTILIZATION”** JULY 2022

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PARTICIPATION IN WORKSHOP / CONFERENCES / SEMINARS / FDPs :

1. “Material Technology Advancement in Current Scenario -MTACS2020 , one week workshop from 4<sup>th</sup> to 10<sup>th</sup> July 2020,Department of Physics, Sathyabama institute of Science & Technology-Chennai
2. Organic Materials for Solar cell conducted on 3<sup>rd</sup> June 2020,Department of Science & humanities,Narasu’s Sarathy Insitute of Technology Salem.
3. “SOC-FPGA for High Performance Computing conducted on 6<sup>th</sup> June 2020, M.A.M College of Engineering.
4. “Advanced Material & Modern Applications conducted on 1&2rd July 2020, Department of Electronics & Communication Engineering ,SSN College of Engineering-Chennai
5. “Advanced Computational & Experimental Research in Physics-2022, one week online National level Faculty Development Programme from 20<sup>th</sup> to 27<sup>th</sup> June 2022, Department of Physics, SRM institute of Science & Technology-Chennai