



Name : Dr. Shalini Garg.

Date of Birth :31<sup>st</sup> January 1972

Unique ID : 672993804146

Educational Qualifications: B.E (Hons); M.E (Hons); PhD in the field of Solar Photovoltaics with vital outcomes

#### Work experience

- (i) Teaching Experience: 26 years
- (ii) Research: In the field of Solar Photovoltaics discovering for the first time ever the positive effect of high cell temperature on energy yield for a grid connected Multicrystalline Solar PV plant in contrast to literature and research papers.
- (iii) Industry: 6 months
- Others: Officer In-charge-Optical Fibre laboratory; Course coordinator, Entrepreneurship and Management Development Programme, Government Polytechnic College, Jodhpur, 2004; Institute AICTE nodal officer; Officer In-charge - Stationery; Member Mahaila Sexual Harassment Cell; Member Anti-Ragging Committee.
- (iv) Area of Specialization: Digital Electronics; Microprocessor and Solar Photovoltaic.
- (v) Course taught at Diploma Level: Microprocessor; Advance Microprocessor and Microcontroller; Optical Fiber Communication.
- Research guidance (No. of Students) – Not Applicable
  - No. of papers published in National/ International Journals /Conferences :
  - Master (Completed / Ongoing) :
  - Ph.D. (Completed / Ongoing) :
- Project Carried out : Nil
- Patents (Filed & Granted) :Nil
- Technology Transfer : Nil
- Research Publications: 8

#### Publications in International Journal:

1. Bhardwaj, R. Manish Bhardwaj, M. Garg, S. 2011. “Neuropathic Pain Unveiled(NPU) Model for Patient Education.” Special issue of International Journal of Computer Applications (0975-8887) on Electronics, Information and Communication systems Engineering -ICEICE No- 4. December 2011.
2. Garg, S. JB, Arun and Surana, D. C. 2016. Performance of a Multicrystalline Photovoltaic Module in Critical Climatic Conditions of Western Rajasthan, India. Communications on Applied Electronics (CAE) – ISSN: 2394-4714. Foundation of Computer Science FCS, New York, USA, Volume 5, No.4, June 2016. [www.caeaccess.org](http://www.caeaccess.org).
3. Garg, S. and JB, Arun. 2016. High Temperature Effect on Multicrystalline Photovoltaic Module in Western Rajasthan, India. Communications on Applied Electronics (CAE) – ISSN: 2394-4714

Foundation of Computer Science FCS, New York, USA, Volume 4 – No.2, January 2016 – [www.caeaccess.org](http://www.caeaccess.org).

4. Garg, S. and JB, Arun. 2017. Evaluating DC Voltage Temperature Coefficient of a Multicrystalline Module in Actual Environmental Conditions of Western Rajasthan, India Communications on Applied Electronics (CAE) – ISSN: 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 7 – No. 6, September 2017 – [www.caeaccess.org](http://www.caeaccess.org).
5. Garg, S. and JB, Arun. 2018. “Unfolding Extraordinary Positive Effect of High Temperature and High Irradiance on DC Power Output of a Multicrystalline PV Module: A Case Study of Western Rajasthan”. Communications on Applied Electronics (CAE) – ISSN: 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 7 – No. 19, August 2018 – [www.caeaccess.org](http://www.caeaccess.org).
6. Garg, S. and JB, Arun. 2019. “The Defining Positive Role of High Cell Temperature on the Performance of a Multicrystalline Solar Photovoltaic Module.” Communications on Applied Electronics (CAE) – ISSN: 2394-4714 Volume 7– No. 28, May 2019 – [www.caeaccess.org](http://www.caeaccess.org).
7. Garg, S. and JB, Arun. 2019. “The Defining Positive Role of High Cell Temperature on the Efficiency of a Multicrystalline Solar Photovoltaic Array.” Communications on Applied Electronics (CAE) – ISSN: 2394-4714 Foundation of Computer Science FCS, New York, USA Volume 7– No. 32, October 2019 – [www.caeaccess.org](http://www.caeaccess.org).
8. Garg, S. and JB, Arun. 2020. “Computational Evaluation of DC Power Temperature Coefficient of a Multicrystalline Solar Photovoltaic Array for Real Field Conditions of Western Rajasthan, India”, Published in: 2020 International Conference on Computational Performance Evaluation (ComPE), Date of Conference: 2-4 July 2020; Date Added to IEEE Xplore: 18 September 2020; ISBN Information: DOI: 10.1109/ComPE49325.2020.9200115; Publisher: IEEE; Conference Location: Shillong, India, India.

International Conference:2

Paper presented in International Conference:

1. Neuropathic Pain Unveiled (NPU) model for patient education- 25BIAM, 28- 30<sup>th</sup> March 2011 in International conference on Electronics, Information and Communication systems Engineering (ICEICE-2010) organised by M.B.M Engineering College, Jodhpur.
  2. Computational Evaluation of DC Power Temperature Coefficient of a Multicrystalline Solar Photovoltaic Array for Real Field Conditions of Western Rajasthan, India - 2-4 July 2020; Shillong, India,
- No. of Books Published with details (Name of the book, Publisher with ISBN, year of publication, etc) :  
Nil