

**B. V. V. Sangha's**  
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**M. Tech in Energy Science and Technology**

**Research Publications till Date**

**Books:**

- 1) Basanagouda F Ronad, Suresh H Jangamshetti, "Optimum Sizing of SPV Irrigation Systems based on Field Conditions", LAP LAMBERT Academic Publishing, (ISBN 978-3-659-76258-1), August 2018

**Journals:**

- 1) Joshi Sourabha, Basanagouda F. Ronad, Suresh H. Jangamshetti, "Mathematical Model for Performance Prediction of SPV Powered DC Irrigation System", TEST Engineering and Management, ISSN: 0193 – 4120, January - February 2020, Page No. 9000 - 9006
- 2) Basanagouda F Ronad, Suresh H Jangamshetti, "A Critical Approach for Energy Conservation in Irrigation Systems by Optimal Sizing of Pumps", International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-8, Issue-6S3, April 2019, pp.-155-159
- 3) Vani Nadoni, Basanagouda F Ronad, Suresh H Jangamshetti, "Critical Design of SPV AC Lighting Systems–A Case Study at Energy Park, BEC[A], BGK", International Journal of Scientific & Engineering Research, ISSN 2229-5518, Vol 9, Issue 7, July 2018, pp.-2050-2052.
- 4) Raichal Rani, Basanagouda F Ronad, Suresh H Jangamshetti, "Development and Testing of SPV Powered 1HP AC Water Pumping System", International Journal of Scientific & Engineering Research, ISSN 2229-5518, Vol 9, Issue 7, July 2018, pp.-2045-2049.
- 5) Basanagouda F Ronad, Suresh H Jangamshetti, "Optimum Sizing of SPV Powered DC Irrigation Pumps based on Field Conditions", International Journal of Scientific and Engineering Research, ISSN- 2229-5518, Vol 7, Issue 10, October 2016, pp.-1738-1742.
- 6) Basanagouda F Ronad, Suresh H Jangamshetti, "Identification of Suitable Method for Crop Water Assessment by Estimating Evapotranspiration-A

- Case Study”, International Journal of Agriculture Sciences, ISSN: 0975-3710, Volume 8, Issue 48, Dec 2016, pp.-2020-2023.
- 7) Girishkumar Malagond, Basanagouda F. Ronad, Suresh H. Jangamshetti, “Design and Development of Data Logger for Standalone SPV Systems”, International Journal of Emerging Technology and Advanced Engineering”, ISSN: 2250-2459, Volume 5, Issue 5, May 2015, pp-.162-166.
  - 8) Vikas Jainkeri, Santosh raikar “Design & Development of MPPT for Micro Wind Turbine and a review on Wind Fuel cell Hybrid System”, Int. Conf. on Recent Trends & Research in Engineering and Science published in Indian Research Transaction, Vol. 5, No.2, June 2015, pp 57-63, March, 2015.
  - 9) Vireshkumar G. M, Ronad.B.F, Jangamshetti. S. H, “Voltage Control and Stability Enhancement using UPFC”, International Conference on Renewable Energy and Power Quality-14, Renewable Energy & Power Quality Journal, ISSN:2172-038X, No.12, April 2014, ISBN:978-84-616-8196-9, Spain, pp-.671-675.
  - 10) Vireshkumar G. M, Ronad.B.F, Jangamshetti. S. H, “Review on Comparison of FACTS Controllers for Power System Stability Enhancement”, International Journal of Scientific and Research Publications, ISSN:2250-3153, Volume 3, Issue3, March-2013, pp.-1-4.
  - 11) Banakar Basavaraj, Ronad.B.F, Jangamshetti.S.H, “Transmission Loss Minimization using UPFC”, International Journal of Modern Engineering Research, ISSN:2249-6645, Volume 2, Issue 5, Sep-Oct 2012, pp.-3602-3606.
  - 12) Basavaraj Hugar, Sunita S Tambakad, “Implementation and Analysis of Standalone and Grid Connected Solar Photovoltaic System”, E-ISSN:2278-179X, Journal of Environmental Science, Computer Science and Engineering & Technology, Sept-Nov 2013: Vol.2.No.4, 1262-1269.
  - 13) Basaningappa I. Tilaganji, Sunita S Tambakad, “A Novel Nine Switch AC/AC Converter for Wind Turbine Driven Doubly Fed Induction Generator”, e-ISSN: 2278-1676, p-ISSN: 2320-3331, IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE), Volume 6, Issue 1(May-June 2013), pp 54-61.

## Conferences:

- 1) G Pooja, Manjula Gaddi, Rakesh, Sachin Karant, Basanagouda F. Ronad, "Development of Android Application for Optimization of Irrigation System Capacity", Second International Conference on "Research and Innovations in Science, Engineering & Technology" ICRASET-2020, BVM EC Gujarat, 4th-5th September 2020.
- 2) Farhanaz mehamood Mulla, Sunita S Tambakad, Ravindra G Patil "Energy Conservation through Lighting Audit – A Case study of Hostel Building", Proceedings of 3rd International Conference on Recent Developments in Control, ISBN: 978-1-7281-2068-3, Automation and Power Engineering (RDCAPE-2019), 10th-11th Oct,2019, AMITY University UP, Noida, India.
- 3) Basanagouda F Ronad, Suresh H Jangamshetti, "A Critical Approach for Energy Conservation in Irrigation Systems by Optimal Sizing of Pumps", International Conference on Renewable Energy and Sustainability (ICRES-19), ISBN: 978-81-940803-3-6, IFERP, Vizag, 5th-6th April 2019, pp.-7-12.
- 4) Ambika Jotagonda, Basanagouda F Ronad, Suresh H Jangamshetti, "Optimal Sizing of Hybrid Electric Renewable Energy Systems using HOMER-Pro", IEEE Third International Conference on Electrical, Electronics, Communication, Computers and Optimization Techniques (ICEECCOT-2018), ISBN: , GSSS Institute of Engineering and Technology for Women, Mysore, India, 14-15 December 2018, pp.-561-565
- 5) Maruti Naik, Basanagouda F Ronad, Suresh H Jangamshetti, "Performance Analysis of Directly Coupled Solar Photovoltaic Powered Irrigation Pumps", IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, ICRIEECE-2018, ISBN: 978-1-5386-5994-6, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India, 27 -28 July 2018, pp.-
- 6) Shivaleela Konnur, Basanagouda F Ronad, Suresh H Jangamshetti, "Design and Implementation of the MPPT for 1 HP SPV Powered DC Irrigation Pump", IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering, ICRIEECE-2018, ISBN: 978-1-5386-5994-6, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India, 27 -28 July 2018, pp.-
- 7) Vidyashree Hulyal, Basanagouda F Ronad, Suresh H Jangamshetti, "An Effective Simulation Model for Performance Prediction of SPV Powered DC Irrigation Systems-A Case Study for Validation", ISBN:978-1-5386-3242-0,

- IEEE International Conference on Current Trends in Computer, Electrical, Electronics & Communication, ICCTCEEC-2017, 8-9 September 2017 at Mysuru, India, pp.-378-382.
- 8) Vaishali Biradar, Basanagouda F Ronad, Suresh H Jangamshetti, "Development, Testing and Performance Analysis of SPV Powered 0.5HP AC Water Pumping System", ISBN:978-1-5386-3242-0, IEEE International Conference on Current Trends in Computer, Electrical, Electronics & Communication, ICCTCEEC-2017, 8-9 September 2017 at Mysuru, India, pp.-353-357.
  - 9) Basanagouda F Ronad, Suresh H Jangamshetti, "Optimal Cost analysis of Wind-Solar Hybrid System Powered AC and DC Irrigation Pumps using HOMER", 4th International Conference on Renewable Energy Research & Applications, ISBN:978-1-4799-9982-8, 22-25 November 2015 at Palermo, Italy, pp.-1038-1042.
  - 10) Sunita Tambakad, Doddamani, S. S., and Jangamshetti, S.H., "Identification of Optimum Turbine Parameters for Low Wind Speed Regimes", Proceedings of the IASTED International Conference on Modeling, Simulation and Identification (MSI 2009), Beijing, China, October 12-14, 2009, pp 638-151
  - 11) Basanagouda F Ronad, Suresh H. Jangamshetti, "A Novel Method to Determine Optimum Hp Rating of Irrigation Pump based on Water Requirement of Crops", IASTED's, International Conference on Power and Energy Systems, AsiaPES-2013, ISBN: 978-0-88986-959-2, Phuket, Thailand, April 10-13, 2013, pp.-320-325.
  - 12) Priyanka Mankale., Sunita Tambakad, "Operation of Diesel Power Plant", Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.
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  - 14) Vinuta Koluragi., Sunita Tambakad, "Implementation of SCADA in KPTCL", Proceedings of 2nd National Conference on Advanced Technologies in Electrical and Electronic Systems, 17-18 Feb 2012, GIT Belgaum, Karnataka State, India.