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Research Areas of Interest:

- Development of Electro spark coating unit.
 - Technology transfer.
 - Technical support to technology receivers.
- Supervisory maintenance of Telephone exchange
- Supervisory maintenance of servo stabilizers and UPS
- Troubleshooting of imported systems for coating.
- Operation and maintenance of Arc discharge reactor for synthesis of Carbon nano tubes
- Development of Solar applications
- Development of electrodes for super capacitors
- Maintenance of Vacuum furnaces.

List of Journal Presentations/publications

1. [*]Coauthor for a published paper entitled “Automation of Arc Discharge setup for production of carbon nano tubes” *J. Instrument. Soc. India Vol.43, No.1 March 2013 pp.55-57.*
2. [*]Presented/published a paper entitled “Development of an Arduino based Charge Controller for a Solar” at 39th National symposium on Instrumentation held at Gurukul Kangri University, Haridwar, and 18th October, 2014 / in *J. Instrument. Soc. India Vol. 45(3), pp 180-181, September, 2015*

List of patents (ch Sambasiva Rao et al)

1. “A device for controlling the on and off times of a MOSFET, a device for part coating the surfaces of metal work piece incorporating the said control device and a method of coating the metal surfaces using the said device”.
Indian patent application No 1610/DEL/2005 date of filing: 21/06/2005

US Patent application No 2011/0290764 A1, Date of filing 1/12/2011., Pub. No.: US
2014/0203856 A1, Pub. Date: Jul.24, 2014