

Brief Biodata

	<p>Name: Rajendrakumar Sharma, MSc-Physics, MMS-Finance, Ph.D., FMAcS Proprietor- Surya Powertech Electronics. Pune Director- Spel Technologies Pvt. Ltd. Pune WG-Member @ Ministry of Electronics & Information Technology. Member Technology Advisory Group (TAG) for eMobility @ CG-STI., Ministry of Science & Technology Member : Scientists Promotion/Assessment/Selection Committee @ Ministry of Electronics & Information Technology.</p> <p>Industry Partner –</p> <ul style="list-style-type: none">• Centre of Excellence in Rechargeable Battery Technology, under Ministry of Electronics & Information Technology @ C-MET Pune• Centre of Excellence for Additive Material under Ministry of Electronics & Information Technology @ CMET Pune <p>Scientific Advisory Board –</p> <ul style="list-style-type: none">• Neutrino Energy Group Gmbh, Germany <p>SP Pune University (Maharashtra State Government) –</p> <ul style="list-style-type: none">• Co-opted Member BOS (Electrical Engineering)
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About:

Rajendrakumar Sharma has been in the Energy Storage/Capacitor manufacturing field Since 1986, and owner of **India's first Supercapacitor manufacturing facility**.

Google Search: Search Key Word “Father of Supercapacitor” on google results displays **Dr. Rajendrakumar Sharma** in **Snippet form** worldwide.

Working Area/Domain:

- **Products** – Capacitors, Supercapacitors, Lithium-Ion Capacitors, Hybrid Supercapacitors, Graphene Supercapacitors, Lithium-Ion Batteries, Sodium-Ion Batteries, Aluminum-Ion Batteries.
- **Integration/System Support** – PF Correction, Harmonic Mitigation, Renewable Energy, Electric Mobility
- **Materials** – Activated Carbon, MXene, Graphene, and Active Material for Batteries
- **Electronics** – System Integration, BMS, PMS, etc.
- **Special Purpose Machine Development** – for Capacitors, Supercapacitors & Ion batteries

Activities & Achievements in Capacitors/Supercapacitors/Energy Storage/EVs:

- ➔ **Intellectual Properties:** 7 US Patents, 1 PCT Patent, and 14 in Process
- ➔ Developed **India's first Ultra Low ESR** Plastic Film Capacitor, (2010)
- ➔ Developed **India's first Activated Carbon Supercapacitor**, (2012)
- ➔ Fabricated **India's first rGO based high performance Supercapacitor**, (2019)
- ➔ Developed **India's first Lithium-Ion Capacitor**, (2020)
- ➔ Developed **India's first Lithium-Ion Hybrid Supercapacitor**, (2022)
- ➔ Developed **India's first Advance Lithium-Ion Battery** (2023)
- ➔ With CMET Pune @ CoE-RBT **India's first Indigenous Scalable Lithium-Ion Battery**
- ➔ With CMET Pune @ CoE-RBT demonstrated **India's first Indigenous Sodium-Ion Battery**
- ➔ Developed complete Indigenous Supercapacitor based Electric 2-wheeler
- ➔ Developed complete Indigenous Supercapacitor based Electric SUV
- ➔ Dr. Rajendrakumar Sharma International Published Paper Citationsover 1024

AWARDS:

- ◆ Vijayashree Award,
- ◆ Rashtriya Udyog Ratna Award,
- ◆ Times Quality brand Award,
- ◆ Entrepreneur of the year Award,
- ◆ India 5000 best MSME Award,
- ◆ Indian Achiever's Award for quality Excellence,
- ◆ Achiever's world leadership award (**Moscow**),
- ◆ Rashtriya Nirman Ratna Award,
- ◆ SKOCH Order of Merit Award,
- ◆ SKOCH- NSA MSME Excellence Award,
- ◆ National Innovation Leadership Award,
- ◆ Fellow of Maharashtra Academy of Sciences
- ◆ ICONIC Brand of Year 2021
- ◆ IAF-AtmaNirbhar Bharat Award-2021
- ◆ Green Energy Award-2022
- ◆ The Super Indian Brand-People's Choice Award-2022
- ◆ World Leadership Award-2023, House of Commons, London, UK

Honorable Prime Minister appreciated work on RGO based supercapacitors

Affiliations & Engagements:

- Indian Science Congress (**Life Member**)
- **Fellow of Maharashtra Academy of Sciences**
- SMC-@Bhabha Atomic Research Centre (**Life Member**)
- National Mission for Electric Mobility (Member)
- Mission Innovation (**DBT-DST**): High level stake holder
- **DST's Advanced Materials and Energy Storage Technology Program**- Drafting member
- Expert Panel Member 2nd Level Evaluation @ **DST** for IC-MAP
- **TIFAC-DST** (EV & Energy Storage) (Member)
- Panel Member for **DST's** EV Energy Storage Policy drafting
- Validating Panel member for Energy Storage@ **TIFAC** for AAAN (Action Agenda for Atma Nirbhar Bharat)
- International Publications- 3
- Board of Studies for – **6** Autonomous Educational Institutes
- Syllabus committees: **4** Autonomous Government Universities,
- Academic Auditor: **1** Eminent National autonomous Institute.
- Industrial Collaborator for DST Research Projects for –
12- Government Research Institutes,
11- Government /Private, Eminent Educational autonomous institutes.
- Energy Storage application/integration Co-operation for EVs/stationery
8 - Corporates, **3**-Public Sector, **3**-Government Sector
- Ph.D. Viva Examiner Panel member- **2** Occasion
- Foreign Joint Co-operation- **1** Russia, **2** USA.

Discourse/Invitee Speaker:

- ◆ National Seminar/Workshop on **Electric Vehicles /Advance Energy Storage** by Universities/Institutes- **24**
- ◆ International Seminar on Energy Storage/ Energy Storage Materials – **6**
- ◆ MEITY/DST/DBT/TIFAC/DRDO/ISRO/IEEMA/CII/IEEE Seminars on Energy Storage/Supercapacitors/Clean Energy/Materials for Energy Storage- **14**
- ◆ Indian Science Congress Seminar Conference on Energy Storage/Materials- **3**
- ◆ Invitee Panelist-**7**
- ◆ National Webinar on Climate Change, Energy Storage, EVs, Motors, FDP – **12**
- ◆ International Webinar across **15 Countries** on Challenges Electric Vehicles - **1**
- ◆ Faculty Development Webinar -**20 plus**