Project Scientist C biodata:

a. **Name:**
Pavan Srinivas Veluri

b. **Qualifications:**
B.Sc (Chemistry, PCU), M.Sc. (IITB), Ph.D in Lithium-ion batteries (IITB)

c. **Designation:**
Project Scientist C

d. **Contact information:**
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e. **Experience:**
7 years of research experience broadly in the avenues of material synthesis, electrode preparation, cell fabrication and electrochemical analysis in the field of Lithium-ion batteries. Worked as a project engineer at National Centre for Photovoltaic Research and Education (NCPRE) at IIT-Bombay, India from February-July 2017.
I have been attached to International Advanced Research centre for Powder Metallurgy and New Materials (ARCI) Hyderabad, India as a project scientist (Middle level) since August 2017.

f. **Research areas of interest:**
- Lithium-ion batteries
- Nanostructured materials for energy storage
- Advanced materials for lithium and sodium-ion batteries
- Supercapacitors and Lithium-ion capacitors

g. **List of journal publications:**

1. P. M. Pratheeksha, **P. S. Veluri,** P. J. Danial, T. N. Rao, and S. Anandan, Solid state synthesis of LiNi0.5Mn0.3Co0.2O2 as a high energy density cathode for high energy lithium-ion battery application" (Manuscript under review in **Chemistry Letters**, **2019**).
2. **P. S. Veluri** and S. Mitra, "Enhanced high rate performance of α-Fe_2O_3 nanotubes with alginate binder as a conversion anode", **RSC Advances, 2013, 3, 15132-15138.**
3. SN Beznosov, **PS Veluri,** MG Pyatibratov, A Chatterjee, DR MacFarlane, O. Fedorov and S, Mitra, "Flagellar filament bio-templated inorganic oxide materials-towards an efficient lithium battery anode", **Scientific Reports, 2015, 5, 7736.**

4. **P. S. Veluri,** A. Shaligram and S. Mitra, "Porous α-Fe_2O_3 nanostructures and their lithium storage properties as full cell configuration against $LiFePO_4$", **Journal of Power Sources, 2015, 293, 213-220.**
5. **P. S. Veluri** and S. Mitra "Iron phosphide (FeP) synthesis, and full cell lithium-ion battery study with a [Li (NiMnCo) O 2] cathode", **RSC Advances, 2016, 6, 87675-87679.**
6. **P. S. Veluri** and S. Mitra "Conversion Anode and Intercalation Cathode Based High Rate Capable Full cell for Practical Lithium-ion Battery Applications", **ChemElectroChem, 2017, 4, 686-691.**
7. Sergei N. Beznosov, Michael G. Pyatibratov, **Pavan Srinivas Veluri**, Sagar Mitra, and Oleg V. Fedorov, "A way to identify archaellins in halobacterium salinarum by flagella tagging", **Central European Journal of Biology, 2013, 8(9), 828-834.**
8. Uttam Kumar Sen, Sudeep Sarkar, **Pavan Srinivas Veluri**, Shivani and Sagar Mitra, "Nano Dimensionality: A way towards better Li-ion storage", **Nanoscience and Nanotechnology Asia, 2013 [Invited Review article]**
9. S. Mitra, **P. S. Veluri**, A. Chakraborthy and R. K. Petla, "Electrochemical Properties of Spinel Cobalt Ferrite Nanoparticles with Sodium Alginate as Interactive Binder", **ChemElectroChem, 2014, 1, 1068-1074.**
10. S. Sarkar, **P. S. Veluri**, and Sagar Mitra, "Morphology controlled synthesis of layered $NH_4V_4O_{10}$ and the impact of binder on stable high rate electrochemical performance", **Electrochimica Acta, 2014, 132, 448-456.**

h. List of patents:

1. **Pavan S. Veluri** and Sagar Mitra, "Conversion anode and intercalation cathode based high rate capable full cell for lithium ion battery", **Indian Patent (Application No.201621027395) dt. 11 August 2016.**

i. Conferences:

1. **Pavan Srinivas Veluri**, K Nanaji, Srinivasan Anadan, Tata N. Rao, "Increasing the energy density of supercapacitor using a battery electrode'', 4th International Meeting on Carbon MEMS: New Horizons, **December 5-7, 2018, IIT Hyderabad, India.**

2. **Pavan Srinivas Veluri** and Sagar Mitra, 4th International Symposium on Energy and Environment: ACCESS [MAGEEP], **December 9-12, 2012, Mumbai, India.**
3. S. Mitra, U. K. Sen, A. M. Tripathi, **P. S. Veluri**, Lithium-ion storage: Advanced High Rate and Energy Anode materials, 37th International Conference and Exposition on Advanced Ceramic and Composites **(ICACC), 2013, FL, USA, 27 January-1st February, 2013.**
4. **Pavan Srinivas Veluri** and Sagar Mitra, International conference on Nanotechnology, Nanomaterials and thin films for energy applications (NANOENERGY), **February 19-21, 2014, London, UK.**

j. Photograph: