


Biodata

Name	Dr. Stanly Jacob K. 
Designation	Scientist C
Educational qualification	M.Sc from Calicut University Ph.D from Calicut University
Research area	Lithium Ion Capacitor, Carbon aerogel based Super Capacitor, Biomass based electrodes materials for energy storage applications, Inorganic and Organic Aerogels for energy applications.
Recognised Awards/Honors/ Fellow	Nil
Projects	<p>Ongoing:</p> <ol style="list-style-type: none"> “Development of high energy density lithium ion capacitor with graphite/carbon aerogel” (TH/SP/069) Sponsored by DST Govt. of India, Out lay 78.62 Lakhs, DoS:25.09.2019 DoC: 24.05.2022 “Development aerogel super capacitor based power module for application in VVPAT of EVM” (TH/SP/065) Sponsored by MeitY Govt. of India, Out lay 660.36 Lakhs DoS 25.10.2018 DoC 25.10.2021 <p>Completed:</p> <ol style="list-style-type: none"> “Development of titania aerogel photoanode for dye sensitized solar cell application” (TH/SP/046) Sponsored by DST Govt. of India, Outlay38.82 Lakhs, Dos 30.12.2012 DoC 30.06.2016
Publications/Patents	<p>Patent</p> <ol style="list-style-type: none"> “Ceramic filler, method of preparing the ceramic filler and applications as resonator and laminate thereof”, Ratheesh Raveendran, Stanly Jacob Kollanoor, K.P. Murali, P.R. Haunurker, A.K. Jain US patent No 9505902B Nov 2016 “Carbon aerogel, process of preparation and application thereof” by N. C. Pramanik, P. A. Abraham, Rani Panicker N and K. Stanly Jacob, Indian Patent No-326298 dated 29.11.2019 “Carbon aerogel, compositions, process of preparation and uses thereof” by N.C. Pramanik, P. A. Abraham, Rani Panicker N and K. Stanly Jacob, Indian Patent No-312066 dated 30.04.19 “Carbon aerogel based electrode, Aerocapacitors, Process and applications thereof”, N. C. Pramanik, P A Abraham, Rani Panicker N

	<p>and K. Stanly Jacob, Indian Patent (Appl. No. 440/DEL/2015, dt. 16.02.2015; Ref. No. IP27253, dt. 18.11.2013)</p> <p>5. “Carbon aerogel and process for preparation thereof”, N. C. Pramanik, P A Abraham, Rani Panicker N and K. Stanly Jacob, Indian Patent (Appl. No. 118/DEL/2015, dt. 14.01.2015; Ref. No. IP27429, dr. 13.11.2013)</p> <p>Publications</p> <ol style="list-style-type: none"> 1. “Preparation and nitrogen sorption characteristics of silica aerogel suitable for sensor applications” K. Stanly Jacob, P A Abrham, N. Rani Panicker, and N C Pramanik IEEE (2012), pp. 96-97 2. “Role of catalyst on formation of resorcinol-furfural based carbon aerogels and its physical properties” –) K. S. Rejitha, P. A. Abraham, N. Rani Panicker, K. Stanly Jacob and N. C. Pramanik, Advances in Nanoparticles, 2 (2013) pp. 99-103 3. “Role of catalyst on formation of resorcinol-furfural based carbon aerogels and its physical properties” K. S. Rejitha, P. A. Abraham, N. Rani Panicker, K. Stanly Jacob and N. C. Pramanik, – Advances in Nanoparticles, 2 (2013) pp. 99-103 4. “Preparation of mesoporous nanocrystalline anatase TiO₂ for dye sensitized solar cell application”, K. Stanly Jacob, P. A. Abraham, N. Rani Panicker and N. C. Pramanik, AIP Conf. Proc. 1576 (2014) pp. 63-66 5, “Nanostructured anatase Titania spheres as light scattering layers in Dye Sensitized Solar Cells”, Swathy KS, P A Abraham, N. Rani Panicker, N. C. Pramanik and K. Stanly Jacob Procedia Technology 24 (2016) pp.767 – 773
<p>Google scholar link</p>	<p>https://scholar.google.com/citations?hl=en&user=t5A1wbkAAAAJ&view_op=list_works&sortby=title</p>