

**Name:** Dr. Aditya Sankar Sengupta

**Designation:** Assistant Professor

**Branch:** EEE



**Educational Qualification(s):**

Qualification(s)	University
B.Tech (Electrical Engineering)	NIT Agartala
M.Tech (Power Electronics & Drives)	NIT Agartala
Ph.D (Electrical Engineering)	NIT Agartala

**Experience in years:**

Academic: Nil

Industrial: Nil

**Other Information:**

a) Publication details.

1.Supercapacitor Module Solely Powering DC–DC Buck Converter for Hand-Held Applications.

Authors: Aditya Sankar Sengupta, A. K. Chakraborty and B. K. Bhattacharyya

Volume: 66, Issue: 1, Page(s): 115-123,

DOI: 10.1080/03772063.2018.1466733, 11 Jun 2018

Journal: IETE Journal of Research (SCIE)

2.DC-DC Buck Converter Solely Powered by Supercapacitors for Efficiently Powering the Hand-Held Devices.

Authors: Aditya Sankar Sengupta, Saraju P. Mohanty and B. K. Bhattacharyya

Volume: 11, Issue: 12, Page(s): 1946 – 1954, 01 October 2018.

DOI: doi: 10.1049/iet-pel.2017.0488

Journal: IET Power Electronics (SCIE)

3.Supercapacitors Outperform Conventional Battery.

Authors : Aditya Sankar Sengupta, Sambit Satpathy, Saraju P. Mohanty, Debasis Baral, and Bidyut K. Bhattacharyya.

Volume: 7, Issue: 5, Page(s): 50 – 53, Sept. 2018

DOI: 10.1109/MCE.2018.2835958

Journal: IEEE Consumer Electronics Magazine (SCIE)

4. Controlled DC-DC Converter System With Boost Supercapacitor Backup.

Authors: Aditya Sankar Sengupta, A. K. Chakraborty, Sambit Satpathy, and B. K. Bhattacharyya

Issue No. :17 (2017) Pages : 1722-1729

Journal: Journal of Advanced Research in Dynamical and Control Systems (SCOPUS)

5. Modelling of Super-Capacitor Discharge Characteristic Using Power Supply.

Authors : Aditya Sankar Sengupta, A. K. Chakraborty and B. K. Bhattacharyya

Volume : 9 Issue No. :18 Page(s): 8853-8857, (2016)

Journal: International Journal of Control Theory and Applications (SCOPUS)

6. Design a FPGA, fuzzy based, insolent method for prediction of multi-diseases in rural area.

Authors : Sambit Satpathy, M.Prakash, Swapan Debbarma, Aditya Sankar Sengupta, and B.K.

Bhattacharyya Volume: 37, Issue No:05 Page(s): 7039-7046, 22 November 2019

DOI: 10.3233/JIFS-181577

Journal: Journal of Intelligent & Fuzzy Systems (SCIE)

7. Buck Topology Powered Exclusively by Supercapacitor Modules A Battery-Less Design Concept.

Authors : Sambit Satpathy, B. K. Bhattacharyya, Munesh Chandra Trivedi, Aditya Sankar Sengupta,

Volume: 09, Page(s): 25758 - 25767, 01 February 2021

DOI: 10.1109/ACCESS.2021.3056213

Journal: IEEE Access (SCIE)

(b) Details of Seminar/Workshop/Conference.

1. 1st IEEE International Conference on Power Electronics Intelligent Control and Energy Systems (ICPEICES-2016) , 4 to 6 July 2016
2. 2016 International Conference on Energy Efficient Technologies for Sustainability (ICEETS), 7-8 April 2016

