

CURRICULUM VITA

- 1) Name : Dr. Sachin Babasaheb Kulkarni
2) Educational Qualification :M.Sc., Ph.D. Post Doc.
3) Present Designation :Assistant Professor
4) Date of Birth : 21/05/1985
5) Contact No. :7588019118
6) Email ID :sachinbkul@gmail.com, sachinkulkarni21@gmail.com
7) Date of Appointment :31/12/2014
8) Teaching Experience :09 Years
9) Date of joining in present college:27/01/2015

10) Educational Qualification:

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject(s)	Class/ Grade
1	B. Sc.	Shivaji University	2006	Physics	Dist.
2	M. Sc.	Shivaji University	2008	Physics	Dist.
3	Ph.D.	Shivaji University	2012	Physics	NA

11) Total Research Publications :28

a. Ph.D.

Sr. No.	Ph.D.Thesis Title	Name of The Univ.	Year of award	Name of Guide
1	Nanostructured $\text{Co}_{1-x}\text{Ni}_x$ Layered Double Hydroxides as Electrode Material for Redox Supercapacitors	Shivaji University	2012	Prof. C. D. Lokhande

Research

Sr. No.	Designation	Name of the Institute/college	Total period
1	JRF	Rajaram College Kolhapur (Shivaji University)	2 Years
	SRF		1 Year
2	Post doc.	Yonsei University, South Korea	2 Years

b. Book: Nil

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
-	-	-	-	-

c. Chapter in Book:

Sr. No.	Title of Book & Name of Editor	Title of the Chapter	Year of publication	ISBN	Name & Place of Publisher
1	Silk Fibroin: Advances in Applications and Research	Chapter 6: Silk Fibroin-Based Systems for Conversion and Storage of Energy	2023	979-8-88697-402-7	USA Nova Science Publication

d. Research Paper:**Google Scholar Link:**

<https://scholar.google.co.in/citations?hl=en&user=C-XrGbUAAAAJ>

Sr. No.	Title of the Paper	Name of Journal	Year of publication	ISSN	Impact Factor
1	Cavity structured S-NiO with Improved Energy Density for Aqueous Asymmetric Hybrid Supercapacitor by CDA mechanism	Materials Advances (RSC)	Sept 2023	26335409	5.36
2	Modified Structural, Optical and Electrochemical Properties of Nickel Sulphide for Superior Supercapacitor Electrode	International Research Journal of Science and Engineering	March 2023	2322-0015	6.70
3	Binder free cobalt iron phosphate thin films as efficient electrocatalysts for overall water splitting	Journal of Colloid and Interface Science	Jan 2022	1095-7103	9.965
4	Synthesis and Electrochemical Performance of Mesoporous NiMn ₂ O ₄ Nanoparticles as an Anode for Lithium-Ion Battery	Journal of Composites Science	2021	2504-477X	3.3
5	A Methodical Review On Antiulcer Potential Of Herbal Medicines From Natural Origin	World Journal of Pharmaceutical Research	2021	2277-7105	8.08
6	A comprehensive synopsis on cognizance of Regulatory Affairs in different sectors of Pharmacy	International Journal of Drug Regulatory Affairs	2021	2321-6794,	5.967
7	Sensitivity Enhancement in Nickel Hydroxide/3D-Graphene as Enzymeless Glucose Detection	Electroanalysis	2015	1521-4109	3.077
8	Nanostructured pseudocapacitive materials decorated 3D graphene foam electrodes for next generation	Nanoscale (RSC)	2015	2040-3372	8.3

	supercapacitors				
9	Modified physico-chemical properties and supercapacitive performance via DMSO inducement to PEDOT: PSS active layer	Organic Electronics	2014	1566-1199	3.2
10	Enhanced symmetric supercapacitive performance of Co (OH) 2 nanorods decorated conducting porous graphene foam electrodes	Electrochimica Acta (Elsevier)	2014	0013-4686	6.9
11	A facile synthesis of hierarchical α -MnO ₂ nanofibers on 3D-graphene foam for supercapacitor application	Materials Letters	2014	0167-577X	3.42
12	Enhanced supercapacitive performance of chemically grown cobalt-nickel hydroxides on three-dimensional graphene foam electrodes	ACS applied materials & interfaces	2014	1944-8244	9.5
13	ZnO/PANI nanocomposite thin films: room temperature LPG sensor	J. Shivaji University (Science & Technology)	2014	0250-5347	NA
14	Post-heating effects on the physical and electrochemical capacitive properties of reduced graphene oxide paper	Journal of Materials Chemistry A	2014	2050-7488	11.9
15	High-performance supercapacitor electrode based on a polyaniline nanofibers/3D graphene framework as an efficient charge transporter	Journal of Materials Chemistry A	2014	2050-7488	11.9
16	Controlled electrochemical growth of Co (OH) 2 flakes on 3D multilayered graphene foam for high performance supercapacitors	Journal of Materials Chemistry A	2014	2050-7488	11.9
17	Potentiodynamic deposition of composition influenced Co _{1-x} Ni _x LDHs thin film electrode for redox supercapacitors	International Journal of Hydrogen Energy	2013	0360-3199	7.1
18	Chemically deposited TiO ₂ /CdS bilayer system for photoelectrochemical properties	Bulletin of Materials Science	2012	0973-7669	1.8
19	Photosensitive nanostructured TiO ₂ grown at room temperature by novel "bottom-up" approached CBD method	Journal of Alloys and Compounds	2011	0925-8388	6.37
20	Temperature impact on morphological evolution of ZnO and its consequent effect on physico-chemical properties	Journal of alloys and Compounds	2011	0925-8388	6.37
21	Chemically synthesized hydrous RuO ₂ thin films for supercapacitor application	Journal of Alloys and Compounds	2011	0925-8388	6.37
22	Synthesis and characterization of β -Ni (OH) ₂ up grown nanoflakes by SILAR method	Applied Surface Science	2009	0169-4332	7.39

Patent:

Sr. No.	Title	Country & Numbet	Status	Year
1	Three-dimensional graphene composite, preparation method for the same, and supercapacitor comprising the same	US Patent US9959984B2	GRANT	2018
2	Three-dimensional graphene complex, manufacture method thereof, and super capacity using the same	KR Patent KR101490693B1	GRANT	2015
3	Supercapacitor based on polyaniline film electrodes deposited by lucrative SILAR method	IN Patent 2720/MUM/2009	Publish	2013

e. Research Project:

Sr. No.	Name of Funding Agency	Project Title	Funds Sanction	Month, Year of sanction	Duration of Project	Status of Project
1	SERB New Delhi (ECRA) scheme	Two Dimensional Transition Metal Sulfides@ Co-Ni Layered Double-Hydroxide Composites as Highly Efficient Supercapacitor Electrodes	35.87	Sept2018	03 Years	Ongoing

f. Papers presented in Seminar / Conference:

Sr. No.	Name of the Conference/ Seminar	Title of the paper	Year	Level (State/ National/ Internatio nal)	Name of the Organizer
1	KSME (II)-2014	Fabrication of nickel hydroxide pore structure for Enhancing the supercapacitor properties	2014	National	Korean Society of Mechanical Engineers
2	KSME (II)-2014	Enhanced Supercapacitive Performance by using Porous Multilayered Graphene and Co (OH) ₂ flakes for Renewable energy.	2014	National	Korean Society of Mechanical Engineers

g. Patents published:03**12) Research Guidance:****a) Research Guidance**

Project fellow (JRF) on SERB Major Research Project :01

13) Professional recognition / award/ fellowship etc.

Sr. No.	Name of Award/ Recognition	Awarding Agency	Date
1	Early Career Research Award (ECRA) Scheme	SERB New Delhi	Sept 2018

14) Work Experience on Academic Bodies and other:

Sr.No.	Designation/ Position	Duration	Name of Institute / University	Details
1	Assistant Professor	9 Years	Tuljaram Chaturchand College, Baramati	2015 onwards

15) Life Membership of Profession Bodies:

Sr.No.	Name of Professional Body
1	The International Nanoscience Community, nanopaprika.eu (Hungaria)

16) Any other Attainment:

Reviewer for Research Journals:

1. Journal of Colloid and Interface Science,
2. Journal of Alloys and Compound
3. International Journal of Hydrogen Energy,
4. Materials Letters
5. Journal of Nanomaterials (Hindawi Publishing Corporation)

Scholarships, Medals, Fellowships, Awards, Distinctions or Honors received during your University/academic carrier

- ❖ M.Sc. Physics Gold Medal-April 2008 (Shivaji University, Kolhapur)
- ❖ Smt. Gangabai Dattatraya Kulkarni Prize 2008 (Shivaji University, Kolhapur)
- ❖ Shivaji University Merit Scholarship 2007
- ❖ Shivaji University “Ekalavya Scholarship” 2007-2008
- ❖ World Scientist and University Ranking Recognition by AD Scientific Index for Years 2021, 2022, 2023 Sachin Babasaheb Kulkarni - AD Scientific Index 2023