Curriculum Vitae

Date of Birth:
26/04/1964

Name: Prof. Dr. A. P. Torane

Email id: appasahebtorane@yahoo.in

Mobile No: 9890916766

Designation: **Professor & Director Lifelong Learning & Extension, Karmaveer Bhaurao Patil University, Satara**

Vice Principal and Administrative Dean and Professor & Head, Department of Physics, Yashavantrao Chavan Institute of Science, Satara (Autonomous)

M.Sc. : Physics

Ph.D.: Physics-2004

Ph. D. Thesis Title: **"Studies on Preparation and Characterization of Bi_2Se_3, Sb_2Se_3 and As_2Se_3 thin films"**

Date of Appointment: 03/04/1989

Experience:

UG – 32 Year

PG – 08 Year

Research Area: Material Science, Thin Films, Nanoscience

Academic and Professional Contribution:

1. Currently working as a **Vice Principal and Administrative Dean** in Yashavantrao Chavan Institute of Science, Satara (Autonomous)
2. **Dean of UG studies** from Academic Year 2020 to 2022 in Yashavantrao Chavan Institute of Science, Satara (Autonomous)
3. **Academic Registrar** from Academic Year 2018-19 to 2020 in Yashavantrao Chavan Institute of Science, Satara (Autonomous)
4. **BOS Chairman** from Academic Year 2022-23, Department of Physics, Yashavantrao Chavan Institute of Science, Satara (Autonomous)
5. **BOS member** Arts, Com. Sci. College, A. Nagar (Autonomous). R. Shahu College, Latur (Autonomous)

Awards:

1. Best teacher award from Rayat Shikshan Sanstha's, Yashavantrao Chavan Institute of

Science, Satara (Autonomous) in Year 2019.

Patents: 02

1. Title of the Invention: A method of preparation of lanthanum strontium tungsten oxide composite electrode for supercapacitor application

Application No.: 202221046044

Date of filing of Application: 12/08/2022

Date of Publication: 19/09/2022

2. Title of the Invention: A method of organic red amaranth stems derived activated carbon electrode for supercapacitor application

Application No.: 202221046042

Date of filing of Application: 12/08/2022

Date of Publication: 30/09/2022

Citation & h-Index

Citations: 382

h index: 10

i10 index: 12

Administrative Experience:

No of Students obtained Ph. D. under the guidance: 02 (2019)

No. of students pursuing Ph.D. under the guidance: 05

Research paper Publications in International Journals: 18

Minor Research Project:

Sr. No.	Title of Project	Status	Submission	Date	Funding	Agency
1	Electrodeposition of low bandgap semiconducting Bi_2Se_3 thin films and characterization	Completed	Submitted on 28th Sept. 2011	2011	30000/-	UGC

BOOK Publications: Number of Text Book: 04

Sr. No	Title of the book	Publication	ISBN	YEAR
1	Textbook B.Sc. I	Nirali	978-93-83971-01-5	2014
2	Textbook B.Sc. II	Nirali	978-93-5164-153-7	2014
3	Textbook B.Sc. II	Nirali	978-93-5164-379-1	2015
4	Textbook B.Sc. II	Nirali	978-93-5164-380-7	2015

List of Research Papers published in International Journals:19

Sr. No.	Titles of the Publication	Name of Co-author if any	ISSN number	Impact factor	Name of Journal with volume no. and page no.
1.	Preparation and characterization of Electrodeposited Bi_2Se_3 Thin Films.	A. P. Torane C.D.Lokhande P.S.Patil C.H.Bhosale	0254-0584	4.09	Materials Chemistry and Physics 55 (1998) 51.
2.	Preparation and characterization of Electrodeposited Sb_2Se_3 Thin Films.	A. P. Torane K.Y Rajpure C.H Bhosale	0254-0584	4.09	Materials Chemistry and Physics 61 (1999) 219.
3.	Preparation and characterization of Electrodeposited Bi_2se_3 Thin Films from Non-Aqueous Medium.	A. P. Torane C.H. Bhosale	0025-5408	4.64	Materials Research Bulletin 61 (2001) 1915.
4.	Preparation and characterization of Electrodeposited Sb_2Se_3 Thin Films from Non-Aqueous Medium.	A. P. Torane C.H. Bhosale	0022-3697	3.99	Journal of Physics and Chemistry of Solids 63 (2002) 1849.

5.	Electrodeposition of As_2Se_3Thin Films.	A. P. Torane C.H. Bhosale	0025-5408	4.64	Materials Research Bulletin 38(2003)847.
6.	Hierarchial 3D $NiCo_2O_4$nanoflowers as electrode materials for high performance supercapacitors.	R.B. Waghmode A. P. Torane	0957-4522	2.47	Journal of material science: materials in electronics, 27(6), 2016, pp 6133-6139
7.	Band gap varied cuprous oxide (Cu_2O) thin films as a tool for glucose sensing	P. K. Pagare A. P. Torane	0026-3672	5.83	Microchimica Acta 183, (2016) 2983–2989
8.	Electrodeposition and characterization of pH transformed Cu_2O thin films for electrochemical sensor	P. K. Pagare A. P. Torane	0957-4522	2.47	Journal of material science: materials in electronics,28, (2017) 1386–1392
9.	Role of deposition time on synthesis of high-performance $NiCo_2O_4$ Supercapacitors	R.B. Waghmode A. P. Torane	0957-4522	2.47	Journal of material science: materials in electronics, 28 (2017) 9575–9583
10.	Effect of air and nitrogen annealing on TiO_2/Cu_2O heterojunction photoelectrochemical solar cells	P. K. Pagare K.G. Kanade A. P. Torane	2053-1591	1.62	Material Research Express 4, (2017) 105011-8
11.	Photoelectrochemical study of electrodeposited TiO_2 thin films onto F:SnO_2 substrates	P. K. Pagare K.G. Kanade A. P. Torane	0922-6168	2.91	Research on Chemical Intermediates 44 (2018) 7277–7288
12.	Effect of deposition potential on efficiency of TiO_2/Cu_2O photoelectrochemical cells	P. K. Pagare A. P. Torane	0957-4522	2.47	Journal of material science: materials in electronics 29 (2018) 8473-8479
13.	Morphology controlled synthesis of $NiCo_2O_4$ nanoflowers on stainless steel substrates as high-performance supercapacitors	KG Kanade H S Jadhav, R B Waghmode A. P. Torane	2589-2991	--	Materials Science for Energy Technologies 2 (2019) 556-564
14.	Photocatalytic dye degradation study of TiO_2 material	A. P. Torane A B Ubale, K G Kanade, P K Pagare	2214-7853	1.24	Materials Today-Proceeding 43 (2021) 2738-2741
15.	Synthesis, Characterization ad gas sensing performance of tungsten oxide by hydrothermal method	A. A. Mohite B.M.Babar R.R.Sawant H.D.Shelke A. P. Torane	2214-7853	1.24	Materials Today-Proceeding 43 (2021) 2757-2762
16.	Chemical bath synthesis of $NiCo_2O_4$ nanoflowers with nanorods like thin film for flexible supercapacitor application-effect of urea concentration on structural conversion	RB Waghmode, NC Maile, DS Lee A. P. Torane	0013-4686	6.90	Electrochimica Acta 350 (2020) 136413
17	Studies on Biosensing Properties of Electrodeposited Copper Oxide Films	Pavan K. Pagare, K. G. Kanade, H. S. Jadhav, Appasaheb P.	1521-3900	0.90	Macromol. Symp. 400 (2021) 2100227 (1-4)

		Torane			
18	Effect of Cu4SnS4 Layer Thickness on the Photovoltaic Parameters of Photoelectrochemical Solar Cells	H. D. Shelke, A. A. Mohite, A. P. Torane, K. V. Madhale, C. D. Lokhande	2578-0611		ES Materials & Manufacturing 18 (2022) 66-76
19	Review on Recent Modifications in Nickel Metal-Organic Framework Derived Electrode (Ni-MOF) Materials for Supercapacitors	Amruta D. Salunkhe, P. K. Pagare & A. P. Torane	1574-1451	3.51	J Inorg Organomet Polym (2022). https://doi.org/10.1007/s10904-022-02503-w