



## Curriculum vitae of faculty

- 1) Name: POWAR ANIL ANANDRAO
- 2) Date of Birth: 15-07-1972
- 3) Designation: Associate Prof. & **Head of Humanities & Sciences**
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“Yashshree Apt” Flat No-4, 5<sup>th</sup> lane warnaliroad, Vishrambag, Sangli.  
Pin: 416415
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### 7) Degree Obtained

Sr.No	Name and address of Institute	Degree	Subject	Year of passing	University
1	G.K.G. College, Kolhapur	B.Sc	Chemistry	1993	Shivaji University Kolhapur
2	Department of Chemistry Shivaji University Kolhapur	M.Sc	Analytical Chemistry	1995	Shivaji University Kolhapur
3	Shri Jagdishprasad Jhabarmal Tibrewala University	Ph.D. Pursuing	Chemistry	Registration 30 April 2023	Shri Jagdishprasad Jhabarmal Tibrewala University

University	Degree	Year	Field of specialization
Shivaji University Kolhapur	B.Sc	1993	Chemistry
	M.Sc	1995	Analytical Chemistry

### 1) Employment record

University/ College	Designation	Period
Walchand Collage of Engg. Sangli	Lecturer in chemistry	From 1-1-1996 till today

2) Other related experience- Research, Industrial etc.

Organization/Employer	Designation	Period
Nil		

3) Consultancy and Sponsored Research Activities

Year	Organization	Project title	Amount Received
Nil			

- 8) Publications Nil  
 9) Fellowship of Academic bodies & Professional Societies Nil  
 10) Membership of Scientific & Professional Societies ISTE LM21916  
 11) Honors & Awards Nil  
 12) No. of PhD, M Tech guided Nil  
 13) List of Conferences, Short-term courses etc organized / Participated in last five years 04  
 14) ORCID Id: 0009-0006-2201-9054  
 15) Scopus id: 57218828948  
 16) Google Scholar Id: [G-kqG UAAAAJ](#)

## Contribution

### 1. First Year Coordinator: 2006 to 2010

Responsibilities: Reporting of New admitted students- Newly admitted students when report institute are provided all kind of guidance – Filling of Forms, Submission of required documents, Hostel information, Campus introduction with help of different student clubs ( CESA,MESA etc) Providing documents like time table, curriculum etc

Monitoring academic progress of students, solving their needs and problems

### 2. Admission Work:

- a) Worked as members of admission committee from 1996 to 2008. In the institute  
 b) Worked as member of CET form submission committee during 2005 to 2010 at Government Medical College Miraj.  
 c) Worked as Sub Liaison Officer for conducting CET 2007 to 2010 & Sub Nodal officer CET 2013  
 d) Worked as ARC In charge/ counselor/Co-ordinator for F.E,DSE,DSP,ME/M.Tech admission from 2010 till 2024  
 e) 2024 onwards working for ARC/FC/SC/Institutional level admission work.  
 f) For the past 20 years, continuously offering support services related to admission procedures—such as process guidance, document verification, and eligibility clarification—at government-authorized scrutiny centers in Sangli and Kolhapur districts, established by the Government of Maharashtra."  
 g) For the past 29 years, beyond the admission schedule, I have been consistently providing year-round counseling support to students and parents from across India as well as from Gulf countries and NRI communities—responding to their queries at all hours, except during lecture times, without regard for personal convenience."  
 h) To date, I have personally counseled and guided no fewer than 40,000 to 50,000 students and individuals from both within India and abroad. The majority of these students belong to the

**jurisdiction of Shivaji University, primarily from the districts of Sangli, Kolhapur, Satara, and Solapur.**

**3. Exam related Work:** Worked as Examination Coordinator for Autonomous Examinations during 2010-2011

**4. Health Centre:** Established and looking after activities of student health centre from 2008 to 2011 & 2016

**5. Elections:** Worked in different capacities for conducting LMC, WCE employees credit Coop. Society Elections

**6. BOS member:** TKITE, Warnanagar.2020-21  
COE, Karad 2022-23  
KIT Kolhapur 2023-24

**7. Award:**

1. 'Excellent Faculty of the Year Award2023-24' By Saksham Society(A World Record Holder NGO, Jaipur Rajasthan) on 29<sup>th</sup> October 2023.

2. Bhartia Guru Gaurav Samman for the Best Teacher on 21 July 2024 by Uttadhan Foundation Delhi.

3. Maulana Abdul Kalam Azad Education Award-2024 from Ranidanga Yashoda Education Society An ISO 9001:205 certified Organization, Registered by Gov. of West Bengal on 11/11/2024 Outstanding Contribution to Education.

4. Rajstariya Aadersh Pradhapak Bhushan Puraskar 2025 from Sapthayek Vishal kranti News, Maharashtra

5. Rajarshi Shahu Rashtriya Sanman Puraskar- 2025 from Manvtavadi Sanskrutic Chalval Diksha Charitable Trust, Kolkhapur; 873, C ward, Sidhshree Plaza, Rajaram road, Kolhapur- 416002

6. Doctor of Philosophy ( Honour Causa) in Higher Education Support Services was awarded by Utthan Foundation, Delhi, India on 1<sup>st</sup> September 2025.

7. Gopal Kiran Samaj Sevi Sanstha(GKSSS), Gwalior (Madhya Pradesh) Awarded Global Vibuti Sanman award on 12/10/2025, Program was held at Guwahati Assam India

**Social works:**

Tree plantations, Blood donation camp, Member of Rashtriya Din and Mahapursh Jayant at college & Celebrating every Jayanti & Rashtrya Din.

Completed Voter registration of all admitted students from last 5 Years.

**Head Humanities & Sciences:** Handling responsibilities of Non-Technical subjects in Engineering such as Value education, Indian Knowledge system, Entrepreneurship, Biology of Engineers, Engineering Economics, Finance and Accounting, Foreign language: German for current academic year.

**Publication Details**

Sr. No	Paper title	Publication Date	Name of		Status		Authors	DOI
			Journal	Conference	National	International		
1	Ionic liquid	24 Feb	Journal of			Internatio	Ajay P. Khairnar,	<a href="https://doi.org/10.10">https://doi.org/10.10</a>

	mediated synthesis of TiO <sub>2</sub> -ZnO-BMIMBr nanocomposite for electrochemical sensing of neurotransmitter	2023	Materials Science: Materials in Electronics Springer  Impact Factor 2.779 (2021)  2.401 Last Five Years			nal	Anita K. Tawade, Bhagyashri B. Kamble, Hemant S. Khune, <b>Anil A. Powar</b> , Kirankumar K. Sharma, Manohar R. Patil, Shivaji N. Tayade & Vijay S. Patil	<a href="https://doi.org/10.1007/s10854-023-09956-w">07/s10854-023-09956-w</a>
2	The exploration and synthesis of perovskites La <sub>0.2</sub> Sr <sub>0.8</sub> MnO <sub>3</sub> electrode material for supercapacitor application	Feb 2023	International Research Journal of Engineering and Technology (IRJET) Impact Factor 6.7			International	Madhale Kv, Faras MM, Mohite AA Jamadar BN, <b>Powar AA</b> , Vhankhande BB, Sakpal RT, Mane RD, Torane AP, Kulkarni SB	<a href="https://doi.org/10.5281/zenodo.7807209">https://doi.org/10.5281/zenodo.7807209</a>
3	Designing a TiO <sub>2</sub> -MoO <sub>3</sub> -BMIMBr nanocomposite by a solvohydrothermal method using an ionic liquid aqueous mixture: an ultra high sensitive acetaminophen sensor†	14 July 2023	RSC Advances (Royal Society of Chemistry)			International	Anita K. Tawade,#a Ajay P. Khairnar,#b Jayashri V. Kamble,c Akash R. Kadam,c Kiran Kumar K. Sharma,a <b>Anil A. Powar</b> ,d Vijay S. Patil,*b Manohar R. Patil,e Sawanta S. Mali, f Chang Kook Hongf and Shivaji N. Tayade	<a href="https://doi.org/10.1039/d3ra02611f">https://doi.org/10.1039/d3ra02611f</a>
4	Electrochemical detection of dopamine using van der waals-interacted NiO-ZnO-functionalized reduced graphene oxide nanocomposite	06 Feb 2023	Journal of Materials Science: Materials in Electronics Springer			International	Ganesh K. Chougule, Anita K. Tawade, Jayashri V. Kamble, Kiran Kumar K. Sharma, Sawanta S. Mali, Chang Kook Hong, <b>Anil A. Powar</b> , Kishor V. Gaikwad & Shivaji N. Tayade	<a href="https://doi.org/10.1007/s10854-024-11950-9">https://doi.org/10.1007/s10854-024-11950-9</a>
5	Voltage-switchable detection of H <sub>2</sub> O <sub>2</sub> and 4-nitrophenol with reduced graphene oxide titanium dioxide composite	04 April 2025	New Journal of Chemistry (Royal Society of Chemistry)			International	<b>Anil A. Powar</b> , Anita K. Tawade, Shivaji N. Tayade, Kiran Kumar K. Sharma, Dattatray J. Sathe and Vishnu Dev Gupta	<a href="https://doi.org/10.1039/D4NJ05232C">https://doi.org/10.1039/D4NJ05232C</a>
6	Evaluating an Ensemble Machine Learning Based Diabetic Medical Illness Analytics Platform for E-Healthcare	May 2025	Journal of Harbin Engineering University  ISSN: 1006-7043 Vol 46 No.5			International	Dodla S. Rao, Mudra.Narasimharao , Bashir N. Jamadar, <b>Anil A. Powar</b> , B. B. Vhankhande	
7	"Optimized Hydrothermal Synthesis of	19 July 2025	Springer Nature Journal			International	Dr. A. A. Mohite, Prof. A. A. Powar, Dr. K. V. Madhale, Dr. B.	DOI: <a href="https://doi.org/10.1007/s10751-025-5232C">[https://doi.org/10.1007/s10751-025-5232C</a>

	Tungsten Oxide Nanoparticles: Unravelling the Role of Precursor Concentration in NO <sub>2</sub> Gas Sensing"		Interactions (Volume 246, Article 77, 2025)				N. Jamadar, Dr. B. B. Vhankhande et al	02293-w]
8	Electrocatalytic Sensing of Ascorbic Acid with a rGO-ZnO Nanocomposite: Towards Ultra-Trace Detection	Received: 15 June 2025 / Accepted: 14 July 2025	Springer Nature Journal of Inorganic and Organometallic Polymers and Materials			International	Anil A. Powar Anita K. Tawade · Kiran Kumar K. Sharma · Dattatraya J. Sathe Vishnu Dev Gupta · Shivaji N. Tayade	DOI: <a href="https://doi.org/10.1007/s10904-025-03953-8">https://doi.org/10.1007/s10904-025-03953-8</a>
9	Engineering rGO–CuO nanocomposites for enhanced electrochemical detection of dopamine	Received: 15 May 2025 Accepted: 2 August 2025	Springer Nature J Mater Sci: Mater Electron (2025) 36:1487 Volume 36, article number 1487, (2025)			International	Anil A. Powar Anita K. Tawade · Kiran Kumar K. Sharma · Dattatraya J. Sathe Vishnu Dev Gupta · Shivaji N. Tayade	DOI: <a href="https://doi.org/10.1007/s10854-025-15515-2">https://doi.org/10.1007/s10854-025-15515-2</a>
10	Biosurfactant Mediated Silver Nanoparticle (AgNPs) and its Antimicrobial Activity against Bacterial Plant Pathogen	Received: 13 July 2025; Revised: 30 August 2025; Accepted: 30 August 2025	ES Chemistry and Sustainability ES Chem. Sustain., 2025, 4, 1699 Research article.			International	D. V. Deshmukh,1 H. V. Deshmukh,1 Somdutta Sarkar,2 Gourisankar Roymahapatra,2,* Neeraj R. Prasad,3,5,* P. D. Sarvalkar,3 M. N. Padvi,3 P. D. Patil4 and A. A. Powar5	DOI: 10.30919/cs1699
11	A Critical Review on Instrumental Methods of Chemical Analysis	Received Date: 05 Nov 2025 Accepted Date: 12 Nov 2025 Published Date: 14 Nov 2025	WebLog Journal of Analytical and Pharmaceutical Chemistry Review Article Published: 14 Nov, 2025			International	Neeraj R Prasad1*, Anil A Powar1, Rutikesh P Gurav1, S R Dodla1, Sharad Kamble1, B B Vhankhande1 and Saurabh R Prasad2	<a href="https://doi.org/10.5281/zenodo.17685352">https://doi.org/10.5281/zenodo.17685352</a>

### Paper Presentation Details

Sr. No	Paper title	Publication/ Presentation Date	Name of		Status		Authors	DOI
			Journal	Conference	National Conference	International Conference		
1	"A Multidisciplinary Approach Choice-Based Credit System in Higher education"	28th July, 2023			National, Shri Jagdishprasad Jhabarmal Tibrewala University		A.A. Powar	
2	Evaluating an ensemble machine learning	10 March 2025				Walchand College of Engineering	A.A. Powar	

	based diabetic medical illness analytical platform for e-Healthcare							
3	Optimized Hydrothermal Synthesis of Tungsten Oxide nanoparticles: Unravelling the role of precursor concentration in NO <sub>2</sub> Gas Sensing	4 <sup>th</sup> April 2025				Yashwantrao Chavan Institute of Science, Satara (M.S. India)	A.A. Powar	
4	Synthesis and Characterisation of MnO <sub>2</sub> for Gas sensor application	22 March 2025				Anandibai Raorane Art, Commerce & Science college, Vaibhavwadi	A.A. Powar	
5	Machine learning applications in composite material synthesis and property prediction	7&8 <sup>th</sup> Nov 2025				Walchand College of Engineering	A.A. Powar, Dr. Dodla	
6	AI Driven Nanotechnology: Advance in imaging, Materials Design and Nanomedicine	7&8 <sup>th</sup> Nov 2025				Walchand College of Engineering	A.A. Powar, Dr. Dodla	
7	Synthesis and Characterization of Jasad Bhasma ZnO nanomaterial with Traditional Indian Aryuvadha Method and their applications in Mechanical Engineering.	7&8 <sup>th</sup> Nov 2025				Walchand College of Engineering	A.A. Powar, Dr. Dodla	

## Patent Details

Sr.No	Patent title	Granted Date	Type	Name
1	"AUTOMATIC RAILWAY GATE CONTROL DEVICE"	09/07/2024	Design 422729-001	1.Walchand College Of Engineering 2. Dr. Bashir Najir Jamadar 3.Miss. Bushara Bashir Jamadar 4.Prof. Dr. Uday Anna Dabade <b>5.Prof. Anil Anandrao Powar.</b>

## Reviewers Certificate Details

Sr. No.	Publisher	Reviewed Type	Date
1	Springer Nature	Sensing and Imaging	13/10/2025
2	Springer Nature	Sensing and Imaging	18/12/2025

Membership in other professional bodies.

Sr. No.	Name of faculty	Department	Name of professional body	Class of membership	Member since
1.	Shri A.A. Powar	H & S Chemistry	ISTE	Life Member LM-21916	1996

**Short Term courses, Workshops, Seminar, Social Work attended**

Sr.No	Name	Duration
1	Induction Training Programme Academic Staff College Kurukshetra University, Kurakshetra	17/6/1996 To 5/7/1996 (3 Weeks)
2	Computer Fundamental & Applications G.P. Kolhapur	4/5/1998 To 27/6/1998 (8 Weeks)
3	Applicable & Industrial Mathematics Walchand College of engineering, sangli	21/ 12/1998 To 2/1/1999 (2 Weeks)
4	International Seminar on, Smart Materials, Nanocomposites Industrial Applications & Devices. Shivaji University, Kolhapur	28 & 29 <sup>th</sup> July 2000 (2 Day's)
5	Quality Circle In Institute Management Walchand College of engineering, sangli	17/5/2004 To 29/5/2004 (2 Weeks)
6	Globalization in Technical Education Challenge & Opportunities Walchand College of engineering, sangli	8/6/2005 (1Day)
7.	Flood affected aid camp, Sangli City	7/8/2004 (1Day)
8	Student Evolution System Under Autonomous Status Walchand College of engineering, sangli	21/10/2005 (1Day)
9	Educational Video Content Creation Walchand College of engineering, sangli	21 & 22 January 2006 (2Days)
10	Faculty Development Programme Recent Trainds in Analytical Instrumentation (RTAI-06) College of Engineering, Pune	12/6/2006 To 23/6/2006 (2 Weeks)
11	Bio-Diesel preparation Technique	
	4,5/5/07	Faculty from NIIT, Nagpur
12	Intellectual Property rights	17/1/09
13	Effective Role of Execution for Industrial Development	13,14/2/09
14	Thermodynamics	14, 21/6/11
15	Opportunity in DRDO	2/7/11
16	Nanomaterial & nanocomposits	3,7/12/12
17	Engg. Thermodynamics	11,21/12/12
18	Role of Basic Sciences & Humanity	24/12/12
19	A workshop on characterization of Macro, Micro and Nanometrials	2-6/6/2014
20	Institution Building through Appreciative Mindset at IIT Bombay.	12 <sup>th</sup> April 2014 - 22 <sup>nd</sup> May 2014

21	A workshop on ‘WCE Curriculum Revamping Phase-III at Walchand College of Engg ., Sangli.	09 <sup>th</sup> Jan 2015 - 14 <sup>th</sup> Jan 2015
22	Faculty Induction Program(FIP-NPIU),TEQUIP-III at College of Engg.,Pune.	27 <sup>th</sup> Nov 2017 -2 <sup>nd</sup> Dec.2017
23	Student Excellence & Learning Program (SELP), TEQUIP III at Walchand College of Engg ., Sangli.	08 <sup>th</sup> April 2019 - 13 <sup>th</sup> April 2019
24	Faculty Development Program for Student Induction.(FDP-SI) at IIT Mandi(AICTE)	30 <sup>th</sup> June 2019 -6 <sup>th</sup> July 2019
25	Digital transformation in teaching learning process (Swayam) IIT Bombay (Online)	6 <sup>th</sup> to 22 <sup>nd</sup> April 2020
26	FDP on Introduction of accreditation Mechanism & NBA Approach, Dr.V.B. Kolte COE(Online)	11 <sup>th</sup> to 15 <sup>th</sup> May 2020
27	Perspectives of Teaching and Learning of Engineering Science for Outcome Based Education NIT, Tiruchi (Online)	15 <sup>th</sup> to 20 <sup>th</sup> June 2020
28	Fundamentals of Corrosion Science and Technology , IIT Indore (Online)	9 <sup>th</sup> to 14 <sup>th</sup> September 2020
29	FDP on Interdisciplinary Approach of Science & Technology: Art of Human Welfare, Rajkiya Engineering college Azamgarh & COE Karad (Online)	17 <sup>th</sup> &21 <sup>th</sup> April 2020
30	ATAL, Softskills at work place, IIT Patana (Online)	17 <sup>th</sup> to 21 <sup>st</sup> May 2021
31	IOT Academy, ‘Research Methodology & Research Tools’	9 <sup>th</sup> & 10 <sup>th</sup> March 2023
32	IOT Academy,’ Innovative Teaching & Learnings’	13 to 20 <sup>th</sup> March 2023
33	IOT Academy,’ Innovative Teaching & Learnings in HET’S’	19 to 27 Feb 2024
34	Appications of Nano Science & Nanotechnology by Devchandcollege Arjunnager	26-02-2024 to 2-03-2024
35	CSIR-NPL: Popular Science Writting	05-03-2024
36	Recent advances in Nanotechnology and its Applications,BSIET, Kolhapur	1-1-2025 to 5-1-2025
37	The art of Research, IOT Academy	6/1/2025 to 13/1/2025

## On-line Courses Registered / Completed

Name of the Online Course	Registration Date	Completion / Expected Completion Date	Agency ( SWAYAM/ NPTEL/ EDX/ Any Other-Mention)	Certification ( Yes / In-Progress)
Digital transformation in teaching learning process	2020-04-06	2020-04-24	SWAYAM	Yes
COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response by WHO	2020-04-12	2020-04-12	WHO	Yes
FDP on Interdisciplinary Approach of Science and Technology, Art of human welfare	2020-04-17	2020-04-24	TEQIP-III	Yes
"COVID-19 Pandemic General Awareness Quiz"	2020-04-19	2020-04-20	Other, Dattajirao Kadam Arts, Science and Commerce College, Ichalkaranji	Yes
FDP on "Innovation in Teaching Learning".	2020-04-27	2020-05-02	AICTE Approved by Jagadamba College of Engineering	Yes
A webinar on Importance of association with professional organisations for OBE, Conducted by WCE, Sangli	2020-04-30	2020-04-30	Other, Walchand College of Engineering, Sangli	NO
A webinar on research workflow, research metrics	2020-05-06	2020-05-06	AICTE-Elsevier	NO
COVID-19 Awareness Online Quiz by Walchand College of Engineering, Sangli	2020-05-01	2020-05-01	Other, Walchand College of Engineering, Sangli	Yes
WCE, Turnitin online training	2020-05-06	2020-05-06	Other, Walchand College of Engineering, Sangli	NO
Quiz on "Outcome Based Education and NBA Accreditation"	2020-05-06	2020-05-06	Other, Sinhgad Institute of Technology and Science, Narhe, Pune	Yes
Webinar on 'Failure Mode Effect Analysis – The Life Skill'	2020-05-09	0000-00-00	Other, MSME Technology Centre Bhiwadi	Yes
Webinar: Tips from Teachers on Moving Laboratory Experiences Online Confirmation	2020-05-07	2020-05-07	Other, J-WEL	NO
FDP on Introduction of Accreditation Mechanism	2020-05-11	2020-05-15	AICTE approved by, Dr. V.B. Kolte College of Engineering, Malkapur.	Yes
FDP on Research Methodology: Tools	2020-05-18	2020-05-22	IILM College of Engineering	Yes
ADCET Webinar Series	2020-05-21	2020-05-26	ADCET, Ashta	Yes
National Level FDP on Facilitation techniques and Online tools fro College Teachers	2020-05-27	2020-05-28	S.M.Joshi College, Hadapsar,Pune	In Progress
National Level FDP on "Advanced Teaching Tools, Techniques	2020-06-01	2020-06-05	AISSMS,COE Pune, ISTE apporved	In Progress
Analytical Techniques for Determining elemental constituents	2020-06-08	2020-06-09	Siddaganga Institute of Technology, Tumakuru	Yes
National Workshop on "Perspectives of Teaching and Learning of Engineering Sciences for Outcome based Education	2020-06-15	2020-06-20	AICTE approved course by NIT-Turichappali-15	Yes
Transform Self & Transform Relationships (TSTR)	2020-06-14	2020-06-20	KIIRTI trust in collaboration with Well being Movement.Bangalore, Karnataka	Yes
Environmental Impact of COVID-19 Pandemic: Challenges & Remedies through Science & Engineering	2020-07-27	2020-07-31	STTP, ISTE approved, Poornima Institute of Engg. Kota	Yes
Material Science & Nanotechnology	2020-08-03	2020-08-17	Crescent Institute of Science & Technology, Chennai.	Yes
Digital Transformation & Pedagogies	2020-08-10	2020-08-14	AICTE/TEQIP-III, WCE	Yes
Fundamentals of Corrosion Science and Technology	2020-09-09	2020-09-14	AICTE approved, IIT Indore	Yes
Webinar on National Education Policy 2020- Higher Education Perspectives	2020-09-17		NITTTR, Bhopal	Yes