



Sinhgad Technical Education Society's

Sinhgad College of Engineering
Vadgaon (Budruk) Off. Sinhgad Road, S.No. 44/1,



Dr. Aditi Kalyan Diwan

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Personal Details

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Telephone	020-9422543308 akdiwan.scoe@sinhgad.edu
Skills Known	SEM, TEM, FTIR, XRD, NMR
Gender	female
Date of Birth	Jan 21, 1979
Strengths	Subject Knowledge, ability to motivate students toward research fields and Administrative capabilities.
Weaknesses	Faith on everybody.
PAN	ALRPD4193R

Academic Qualification

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
M.Sc.	Nowrosji Wadia College, Pune	University of pune	Jun 2001	60.0%	First Class	Completed
B S C	Garaware College, Pune	University of pune	Jun 1999	65.0%	First Class	Completed
Ph. D.	University of Pune	University of pune	Jul 2007		Degree Awarded	Completed

Post Held

Organization Name	Post	Organization Category	Appointment Status	Duration
Nowrosji Wadia College, Pune.	Lecturer	Academic Institution	Visiting	Nov 01, 2006 to Apr 30, 2007
Sinhgad College of Engineering, Pune	Assistant Professor	SINHGAD INSTITUTE CAMPUS	Full time with Permanent Approval	Sep 18, 2006 till today

Training Details

Training Title	Arrange By	Venue	Date	Level	Category	Type
TAP I	Wrener & Peker	SCOE, PUNE	18 Nov 2013 to 20 Nov 2013	Institute	Quality Improvement Programs	Internal
TAP II	Wrener & Peker	SCOE, PUNE	10 Apr 2014 to 12 Apr 2014	Institute	Quality Improvement Programs	Internal
Train the Trainer	SCOE, PUNE	RMD Sinhgad, pune	23 Jun 2014 to 28 Jun 2014	Institute	Quality Improvement Programs	Internal

Train the trainer	SKNCOE, Pune	SKNCOE, Pune	19 June 2017 to 24 June 2017	Institute	Quality Improvement Programs	Internal
Train the trainer	NBNCOE, Pune	NBNCOE, Pune	1 Jan 2020 to 6 Jan 2020	Institute	Quality Improvement Programs	Internal
Pedagogical Training for teachers on tools for online teaching learning and evaluation.	Swami Ramanandtirth Marathwada University , Nanded.	Swami Ramanandtirth Marathwada University ,	1 July 2020 to 6 July 2020	National	Quality Improvement Programs	External
“Role of ICT in Teaching-Learning Process”	Sanjeevani College of Engineering, Kopargaon	Sanjeevani College of Engineering, Kopargaon	19 May 2021 to 25 May 2021	AICTE-ISTE	Quality Improvement Programs	External
Recent Development in Advanced Materials	RSCOE, Pune	RSCOE, Pune	3 May 2021 to 8 May 2021	AICTE-ISTE	Quality Improvement Programs	External

Research Projects

Project name	Description	Status	Budget	Project type
Adsorptive regeneration of heavy metals via nanoparticles and its reuse as a catalyst in organic reactions .	B. C. U. D.	100	200000	Academic Projects

Research Papers and Journals

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
NA	1. Aniline as a stabilizer for metal nanoparticles	2003	Materials Letters	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale, S. V. Bhagwat, Dr. Asha Chandwadkar, Prashant Karandikar
NA	2. Au-Polyaniline nanocomposite : Sensor for methanol vapours	2003	Asian Journal of Physics	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale
NA	3. Ag dispersed conducting polyaniline nanocomposite as a selective sensor for ammonia.	2005	Journal of Metastable and Nanocrystalline Materials	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale
NA	4. Synthesis of CTAB-IPA reduced copper nanoparticles.	2004	Materials Chemistry and Physics	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale, Megha Majumdar
NA	5. Nanocomposite of Pd-polyaniline as a selective methanol sensor.	2005	Sensors and Actuators : B	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale, S. V. Bhagwat
NA	6. Nonaqueous phase synthesis of copper nanoparticles.	2005	Journal of Nanoscience and Nanotechnology.	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale, Megha Majumdar
NA	7. Aqueous phase synthesis of Polypyrrole nanofibres.	2007	Journal of Applied Polymer Science	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale, A. H. Dhamne
1553-3174	8. Au-Polyaniline Nanocomposite Synthesized using Gamma-ray Induced Au Nanoparticles.	2007	Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale
0973:9041	9. Influence of mode of synthesis on the sensing properties of Pd-polyaniline Nano composite towards methanol vapours	2007	Journal of Advances in Engineering Sciences	Refereed Journal	Accepted and Published	Aditi Diwan, Dr. Anjali Athawale, S. V. Bhagwat
2277-2669	10. Adsorption of Ni ²⁺ from wastewater via silver-doped zeolite nanocomposite.	2012	Scientific Reviews and Chemical Communications	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. V. R. Doss, A. J. Kulkarni

2319-636X	11. A novel route for the removal of Ni(II) from aqueous solution using nanovalent silver on activated carbon	2012	Biological and Physical Sciences	Refereed and Indexed Journal	Accepted and Published	Aditi Diwan, Dr. V. R. Doss, S. P. Kodollikar, A. P. Kulkarni, Hussain
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Workshop Attended

Workshop Topic	Conducted By	Date	Level	Category	Type
EN- Physics	Sinhgad College of Engineering	20 Dec 2006 to 23 Dec 2006	Extra-Curricular Activities	Extra-Curricular Activities	External
ANN & FEA For Electrical Engineering Systems	Sinhgad College of Engineering	01 Mar 2007 to 03 Mar 2007	Extra-Curricular Activities	Extra-Curricular Activities	External
En - Chemistry Syllabus Revision Engineering Chemistry (Applied Science) For First year Engineering	Sinhgad College of Engineering	18 Dec 2007 to 21 Dec 2007	Co-Curricular Activities	Co-Curricular Activities	External
Soft Chem	Sinhgad College of Engineering	05 Jul 2011 to 09 Jul 2011	Extra-Curricular Activities	Extra-Curricular Activities	External
Waste water treatment	Sinhgad College of Engineering, pune	06 Dec 2010 to 10 Dec 2010	Research	Research	External
STTP on Stimulating the knowledge of Engineering Sciences.	SKNCOE, PUNE	28 Jun 2010 to 02 Jul 2010	Quality Improvement Programs	Quality Improvement Programs	External
STTP on Innovative Trends towards Excellence in CETP Manegement.	SCOE, PUNE	06 Apr 2015 to 10 Apr 2015	Industry Interaction	Industry Interaction	Internal
STTP on Recent Advances in Nanomaterials, Nanotechnology and Nanofabrication.	SKNCOE, PUNE	11/12/2016 to 16/12/2016	Industry Interaction	Industry Interaction	Internal
Patent Drafting and Filing.	Bharati Vidyapeeth, Katraj, Pune	17/3/2017 to 19/3/2017	Quality Improvement Programs	Quality Improvement Programs	TEQIP
Treatment of Waste: Issues, Challenges and Problem Solving.	COEP, Pune	27/3/2017 to 21/3/2017	Industry Interaction	Industry Interaction	TEQIP
Ethics and moral values	SKNCOE, PUNE	4/12/2017 to 15/12/2017	Quality Improvement Programs	Quality Improvement Programs	AICTE
Chemistry and engineering aspects on water remediation	COEP, Pune	1/7/2019 to 5/7/2019	Research	Research	TEQIP III

Nanostructured materials in catalysis	SCOE, Pune	25/3/2019 to 29/3/2019	Research	Research	SERB
Data Science with R	Indira College of Management	9/12/2019 to 21/12/2019	Quality Improvement Programs	Quality Improvement Programs	AICTE
“Artificial Intelligence”	BrainOVision & National Youth Council of India	22/5/2020 to 26/5/2020	Research	Research	FDP
Microsoft Digital LITERACY.	AISSMS, Pune.	15/6/2020 to 19/6/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
Spoken Tutorial Technology	SKNCOE in association with IIT Bombay Spoken Tutorials.	18/5/2020 to 22/5/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
Cyber security techniques and tools.	Shri Sairam Engineering College, Chennai.	15/6/2020 to 21/6/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
“Art of Research Paper	PCCOE, Pune	25/5/2020 to 27/5/2020	Research	Research	FDP
Digital Transformation and Padagoggies.	Government college of Engineering , Karad.	10/8/2020 to 14/8/2020	Quality Improvement Programs	Quality Improvement Programs	AICTE
"NAAC Awareness Programme for Faculty	Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47	8/5/2020 to 14/5/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
“OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE”	Margdarshan Scheme of AICTE, New Delhi.	11/5/2020 to 15/5/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
Emerging Materials : Properties , Applications and Characterization.	Malviy National Institute of Tecnology , Jaipur	7/8/2020 to 11/8/2020	Research	Research	TEQIP
Padogggical Training for teachers on tools for online teaching learning and evaluation.	Swami Ramanandtirth Marathwada University , Nanded.	1/7/2020 to 6/7/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
SAiPACMS	SCOE, Pune	21/7/2020 to 25/7/2020	Research	Research	FDP

Project Based Learning	Bharati Vidyapeeth College Of Engineering.	8/7/2020 to 10/7/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
A approach by first year engineering faculties towards outcome based education.	SCOE, Pune	6/7/2020 to 8/7/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
"AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)	AICTE	28/9/2020 to 2/10/2020	Quality Improvement Programs	Quality Improvement Programs	AICTE
Capacity Building	Visveswaraya Technological University	21/9/2020 to 25/9/2020	Quality Improvement Programs	Quality Improvement Programs	AICTE
Innovative Teaching Learning Methods	VPKBIET, Baramati	7/12/2020 to 12/12/2020	Quality Improvement Programs	Quality Improvement Programs	FDP
Frontiers of Chemistry	AISSMS, Pune	3/11/2020 to 7/11/2020	Research	Research	FDP
Virtual Lab Hands on	IIT, Bombay	24/12/2020 to 24/12/2020	Quality Improvement Programs	Quality Improvement Programs	Workshop
Blended Learning and Flipped Classroom	VNIT, Surat	8/2/2021 to 12/2/2021	Quality Improvement Programs	Quality Improvement Programs	AICTE
PICTE, Chemistry Virtual Lab Hands on	PICTE, Pune	8/3/2021	Quality Improvement Programs	Quality Improvement Programs	Workshop
"ACCELERATING INNOVATIONS IN MATERIAL SCIENCE - SURFACE CHARACTERIZATION",	BMS, Bengaluru	18/5/2021 to 22/5/2021	Research	Research	FDP
Intellectual Property Rights and IP Managements	MESCOE-IIC	24/5/2021 to 25/5/2021	Research	Research	FDP
"OBE Concepts & Implementation and Digital Preparedness for NBA"	MIT, Aurangabad	29/5/2021	Quality Improvement Programs	Quality Improvement Programs	Workshop
"Role of ICT in Teaching-Learning Process"	Sanjeevani College of Engineering, Kopargaon	19/5/2021 to 25/5/2021	Quality Improvement Programs	Quality Improvement Programs	Refresher Course

Recent Development in Advanced Materials	RSCOE, Pune	3/5/2021 to 8/5/2021	Quality Improvement Programs	Quality Improvement Programs	Refresher Course
"How to Conduct the Student Induction (SIP) Program"	AICTE, Delhi	21/9/2021	Quality Improvement Programs	Quality Improvement Programs	Workshop
"Sustainable Waste Management	D. Y. Patil College of Engineering and Management, Pune	18/10/2021 to 22/10/2021	Research	Research	FDP
"Universal Human Values".	PCCOE, Pune	11/10/2021 to 13/10/2021	Quality Improvement Programs	Quality Improvement Programs	Workshop

Conference Details

Name	Venue	Date	Level	Category	Type	Sponsored By
International Conference on Advances in Nanotechnology,	Sun and Sand, Pune	27 Nov 2006 to 29 Nov 2006	International	Research		SCOE, Pune
National Conference on Nanoscience and Nanotechnology	VNIIT, Nagpur	18 Jan 2010 to 20 Jan 2010	National	Research		SCOE,Pune
Innovation 2010	Nahik	20 Nov 2010 to 21 Nov 2010	National	Research		BCUD, PUNE
Innovation 2012	Pune	26 Mar 2012 to 27 Mar 2012	National	Research		BCUD, PUNE
National Conference on Nanotechnology and Nanosciences	Badnera, Amarawati	08 Apr 2012 to 08 Apr 2012	National	Research		BCUD, PUNE
Innovation 2013	Ahmed Nagar	16 Apr 2013 to 17 Apr 2013	National	Research		BCUD, PUNE
NANOCON 2014	Le Meridian Pune	14 Oct 2014 to 15 Oct 2014	International	Research		University of pune

Significant Contributions

- ➔ Senior Research Fellowship (SRF) C. S. I. R.
- ➔ Appreciation Letter Conduction of Oral Presentation for Scitech Fever
- ➔ Guest Lectures delivered in various National and International Conferences and Seminars.
- ➔ Life Time Member of IWSA.
- ➔ Paper Seter at SPPU and Deemed Universities.
- ➔ Trained for UHV Sessions.
- ➔ Specially Trained for Stress Management.

Subject Expertise

Subject	No Of Years	Remarks
Applied Science - I (Engineering Chemistry)	16	
Applied Science - II (Engineering Chemistry)	16	
Applied Chemistry - I (S.E.Biotech)	01	
Chemistry – I (S.E. Chemical)	02	
Chemistry – II (S.E. Chemical)	02	
Industrial Chemistry – I (S. E. Chemical)	01	
Industrial Chemistry – II (S. E. Chemical)	01	

Books Published

ISBN	Title	Publisher	Publish Year
NA	Engineering Chemistry	Nirali Publication	Aug 2013

Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date :25-March-2022

Dr. Aditi Diwan