

## STAFF PROFILE

**Name :** Dr. Mrs. Anita Manoj Patki

**Designation :** Assistant Professor

**Qualification :** B.E. (Metallurgy), M.Tech (Physical-Metallurgy), Ph.D (Metallurgy)

**Email :** ampatki.scoe@sinhgad.edu

**Experience :** Teaching: 14 Yrs, Industry: 3 Yrs

**Area of Interest :** Polymer Nano Composites, Advanced Materials



**Membership of Professional Societies:** Indian Institute of Metals (IIM) 43200  
Indian Institute of Welding (IIW) MUM/M/R-10930/L  
Indian Women Scientists' Association (IWSA)

**Major roles at Savitribai Phule Pune University/other universities/organization:**

- Subject Chairman, Paper setter and Examiner in Savitribai Phule Pune University, Pune
- Paper setter and Examiner in BVCOE, Pune
- Conducted a session under TEQIP II Sponsored One week Faculty Development Program on “Advanced Materials for Engineering Applications” from 10/12/12 – 14/12/12 by Chemical Engg. Dept., SCOE

**FDP/SDP/STTP/Workshop/Seminars/ Summer School Attended:**

Sr. No.	Title of Program	Date and Duration	Organization
1	AICTE sponsored FDP-STTP on Science and Technology of Advanced Material (STAM-2021)ICTE sponsored FDP-STTP on Science and Technology of Advanced Material (STAM-2021)	22/02/2021 - 26/02/2021 (One Week)	Department of Basic & Applied Science, National Institute of Technology, Arunachal Pradesh
2	TEQIP-III Sponsored One week Faculty Development Program on “Research & Quality Publication: Practices and Tools”	20/12/2020 - 24/12/ 2020 (One Week)	Central Library, College of Engineering, Pune (COEP) and Manipur Technical University (MTU), Imphal
3	TEQIP-III sponsored one week FDP on “Emerging Materials: Properties, Applications and Characterization”	27/08/2020 - 31/08/2020 (One Week)	Department of Metallurgical and Materials Engineering, Malaviya National Institute of Technology Jaipur.
4	National Level Webinar on “Introduction to NDT – A Tool for Quality Assurance of Industrial Products at Manufacturing Stage”	12/08/2020	Department of Mechanical Engineering, AISSMS College of Engineering, Pune.
5	One week online Faculty Development Program on “Sophisticated Analytical Instruments: Principles and Applications to Chemical and Material Sciences (SAIPACMS-2020)”	21/07/2020 – 25/07/2020 (One Week)	Sinhgad College of Engineering, Pune.

6	Webinar on "How to bridge the gap between Industry and Academia"	22/06/2020	Dattakala Group of Institutes, Bhigvan, Pune
7	Webinar on "Effective ways of Technical Paper Writing"	12/06/2020	Dattakala Group of Institutes, Bhigvan, Pune
8	Webinar on "The Taking Charge Of Yourself".	06/06/2020	PCCOE and IET-WISE, Pune
9	National Level Webinar on "Employability Skills For Industry 4.0"	31/05/2020	Department of Mechanical Engineering, AISSMS College of Engineering, Pune
10	Webinar on "Leadership Development in Women Professional Entrants"	30/5/2020	AISSMS College of Engineering, Pune & Department of E&TC Institution of Engineers (India) Students' Chapter
11	Webinar on "Research Tools for PhD Aspirants"	29/5/2020	Dattakala Group of Institutes, Bhigvan, Pune
12	Webinar on Metallographic Preparation and analysis of fastener components	27/05/2020	BUEHLER, An ITW Company and Francis Klein, Pune
13	Webinar on Transform your ideas into reality by using 3D printing Technology	15/05/2020	Arunoday Enterprise, Kolhapur and SCOE, Pune
14	One week FDP on "Latex" organised by department of Information Technology,	27/04/2020 – 02/05/2020 (One Week)	SCOE, Pune in association with IIT Bombay Spoken Tutorial.
15	International Conference on "Polymer Science and Technology"	19/12/2018- 22/12/2018 (Four Days)	IISER, CSIR-NCL and SPPU, Pune at IISER, Pune
16	TEQIP-III sponsored one week STC on "Data Analytics for Engineers"	10/12/2018 - 14/12/2018 (One Week)	Department of Mechanical Engineering, Malaviya National Institute of Technology Jaipur and College of Technology & Engineering, Udaipur.
17	International Conference on "Expanding Horizons of Technological Applications of Ceramics and Glasses"	14/12/2017 – 16/12/ 2017 (Three Days)	Indian Ceramic Society, BMR Chapter and College of Engineering Pune (COEP)
18	AICTE Sponsored One week STTP on "Characterisation of Micro-and Nanomaterials"	20/03/2017- 24/03/2017 (One Week)	Department of Metallurgy and Materials Science, COEP, Pune
19	International Conference on International Conference on Future Trends and Challenges in Mechanical Engineering (FTCME), 2017	17/02/2017 – 19/02/2017 (Three Days)	Mechanical and Production Engg. Dept. SCOE, Pune in association with SPPU, Pune
20	One Week STTP on "Recent Advances in Nanomaterials, Nanotechnology and Nanofabrication"	11/12/2016- 16/12/2016 (One Week)	Mechanical Engg. Dept. SKNCOE, Pune
21	One Week STTP on Advances in Cutting Tools & Additive Manufacturing Processes (ACT_AMT 2016)	25/04/2016- 29/04/2016 (One Week)	Mechanical Engg. Dept. SCOE, Pune
22	One Day Workshop on Self Defense for Girl	30/12/2015	SCOE, Pune in association with SPPU, Pune

23	One Week STTP on – Supply Chain & Operations Management (SCOM-2015)	01/06/2015-06/06/2015 (One Week)	Production Engg. Dept. SCOE Pune in association with NIT, Bhopal
24	TEQIP Sponsored One week Faculty Development Program on “A Workshop on Characterization of Macro-,Micro-and Nanomaterials”	02/06/2014-06/06/2014 (One Week)	College of Engineering, Pune (COEP)
25	TEQIP II Sponsored One week Faculty Development Program on “Nanomaterials and Nanocomposites”	02/12/2013-06/12/2013 (One Week)	College of Engineering, Pune (COEP)
26	The Teachers Advancement Program - Level 1 &2	28/11/2013 - 30/11/2013 (Three Days)	Sinhgad Technical Education Society, Pune
27	SDP on Industrial Training in Welding related to Material Science	20/10/2012-03/11/2012 (Two Weeks)	Vinarc Engineers, Pune
28	National Workshop on Recent Advances in Materials Engg. and Technologies (MET – 2012)	02/05/2012 – 03/05/2012 (Two Days)	SKN, Sinhgad Institute of Technology & Science, Lonavala
29	Workshop on Implementation of Syllabus for SE Production Sem. II (2008 Course)	17/03/2010	Amrutvahini College of Engg., Sangamner
30	AICTE Sponsored One week STTP on Metallurgical Aspects of Tribology	30/11/2009 - 04/12/2009 (One Week)	Sardar Vallabhbhai National Institute of Technology, Surat
31	National Seminar on Materials Technology in Ancient India	20/03/2009 – 21/03/2009 (Two Days)	College of Engg., Pune
32	Workshop on Surface Engineering	23/01/2009	Indian Institute of Metals, Pune Chapter
33	AICTE Sponsored Two weeks STTP on “Reliability and Failure Analysis of Engineering Systems”	22/10/2007-03/11/2007 (Two Weeks)	Production Engg. Dept. SCOE Pune

#### LIST OF RESEARCH PAPERS PUBLISHED / PRESENTED

Sr. No.	Title of the paper and authors	Conference / Journal
1	Investigation of non-isothermal crystallization, dynamic mechanical and dielectric properties of poly(ether-ketone) matrix composites, <b>A. M. Patki</b> , & R. K. Goyal	Polymer-Plastics Technology and Materials 60, 70-83 Impact factor : 2.63 ISSN NO. 25740881.2020.1786583 <a href="https://doi.org/10.1080">https://doi.org/10.1080</a>
2	Poly-carbonte-hexagonal boron nitride composites with better dielectric properties for electronic applications, Anita M. Patki , Aniket A. Maharanmar, Swapnil K. Harde , R. K. Goyal	SN Applied Sciences, A Springer Nature Journal 1 (7), 1-8 Impact Factor: 2.474 <a href="https://doi.org/10.1007/s42452-019-0781-0">https://doi.org/10.1007/s42452-019-0781-0</a>

3	Review paper on Thermomechanical and Dielectric properties of Polymer Nanocomposites. <b>A.M. Patki</b> , R.K.Goyal, R.V.Saraf and H.G.Patil	International Conference on “Sustainable Development” organized by Sinhgad College of Engineering in association with SPPU, Pune, Feb. 14 – 15, 2019 at SCOE, Pune
4	High Performance Polyetherketone- hexagonal boron nitride nanocomposites for electronic applications. <b>A. M. Patki</b> , R. K. Goyal	Journal of Materials Science: Materials in Electronics, 30 (2019) 3899-3908 (Publisher: Springer). ISSN 0957-4522 <a href="https://doi.org/10.1007/s10854-019-00675-9">doi.org/10.1007/s10854-019-00675-9</a>
5	Effect of Micro-and Nanoparticles of Ceramics on Thermal and Mechanical properties of high performance polymeric composites. <b>A. M. Patki</b> , G. Shendre, S. D. Gaikwad, R. K. Goyal	International Conference on “Polymer Science and Technology” organized by IISER, CSIR-NCL and SPPU, Pune, Dec 19-22, 2018 at IISER, Pune
6	Effect of Ceramic Nanopowder on Mechanical and Thermal Properties of High Performance Polymeric Nanocomposites. <b>A. M. Patki</b> , R. K. Goyal	International Conference on “Expanding Horizons of Technological Applications of Ceramics and Glasses” organized by Indian Ceramic Society, BMR Chapter and College of Engineering Pune (COEP), Dec 14 – 16, 2017 at COEP, Pune
7	Review on Case Studies of Industrial Robots. Y.U.Sancheti, M.M Pincha ,A.M.Patki, A.Kulkarni	International Conference on Future Trends and Challenges in Mechanical Engineering (FTCME), 2017, India organized by Sinhgad College of Engineering in association with SPPU, Pune, Feb. 17 – 19, 2017 at SCOE, Pune
8	Automated Hydraulic Flapper Valve Back Pressure Test Rig. Ashish Apte, Vipul Atitkar, Sourabh Bhatewara, Archis Phansalkar, <b>A. M. Patki</b>	National Conference on Advances in Mechanical Engineering Techniques (AMET-2015), March 12 – 13, 2015 at MITCOE, Pune