

Sachin Khedkar

32, Shivam, A1, Someshwarwadi, Pune – 411008.

Personal Details:-

Name	KHEDKAR	SACHIN	PRABHAKAR
	<i>SURNAME</i>	<i>FIRST NAME</i>	<i>MIDDLE NAME</i>
Department	ELECTRONIC SCIENCE		
Designation	VICE PRINCIPAL		
Qualification(s)	M.Sc., Ph.D.		
Certification(s)/Professional Courses/Exams	MSCIT: MKCL		
	INSTRUCTIONAL DESIGN: SYMBIOSIS CENTRE FOR DISTANCE LEARNING		
	ACADEMIC LEADERSHIP: PENN STATE UNIVERSITY, USA		
	ORGANIC SOLAR CELLS, THEORY AND PRACTICE: TECHNICAL UNIVERSITY OF DENMARK		
Email-Id	spkhedkar@fergusson.edu		
	khedkars@gmail.com		
Office Contact No:-	+91-20-30866099		
Mobile No(Optional):-	+91-9225340908		

Member Of:-

College Committees	Other Committees
Local Managing Committee, FCP	GOVERNING BODY, DES
Junior College Committee, FCP	JOINT BOARD OF LMs, DES
Advisory Committee, FCP	PUNE BOARD OF LMs
WEBSITE COMMITTEE, FCP	ESTATE COMMITTEE, DES

	ADVISORY COMMITTEE, IMDR
	ADVISORY COMMITTEE FCHL TIRUPATI
	CENTRAL PURCHASE COMMITTEE, DES

Research and Development Done:

Electrically Conducting Polymers (1988 to 1999)
Ellipsometer automation (2000)
Fire-hole detection in cartridges using laser (2001)
Multi-coloured displays for advertisers (2003)
Audio Notice Board for Visually Challenged (2013)

Area of Interest in Research:

Electrically Conducting Polymers and their applications.
--

Books Published:

Name of Book	Author(s)	ISBN No.	Year	Edition	Publisher
Polymer Science : Contemporary Themes, Vol. 1	Radhakrishnan, S.; Limaye, V.G.; Khedkar, S.P.; Bhide, R.D.;		1991	1	Tata-McGraw Hill,
Laboratory manual in Electronic Science,	Lele AB, Shaligram AD, Kulkarni NM, Khedkar JV, Bhide AB, Bhagwat SS, Khedkar SP, Choudhary.;		1995	1	Manali Prakashan Pune.
Analog Electronics: Circuit Design and Instrumentation	Lele, Shaligram, Deuskar, Kulkarni, Bhide, Bhagwat, Khedkar,		1996	1	Manali Prakashan, Pune

Research publications:

Radhakrishnan, S; Khedkar, SP; Charge transport processes in polypyrrole nanoscale composites Synthetic metals 79 3 219-224 1996 Elsevier
Khedkar, Sachin P; Radhakrishnan, S; Application of dip-coating process for depositing conducting polypyrrole films Thin Solid Films 303 1 167-72 1997 Elsevier
Khedkar, Sachin P; Radhakrishnan, S; Long-term aging and stability of conductivity in vapour phase deposited polypyrrole films Polymer degradation and stability 57 1 51-58 1997 Elsevier
Khedkar, Sachin P; Radhakrishnan, S; Anisotropy of conductivity in Polypyrrole deposited on crystalline poly (ethylene oxide)-copper (II) chloride complex and its blend Thin solid films 263 2 243-247 1995 Elsevier
Radhakrishnan, S.; Khedkar, S. P.; An improved process for deposition of conducting polymer films with enhanced stability on insulating substrates 1995, IN Patent 287/DEL/95, dated 22-2-95
Design of PC based polarimeter for Sugar Industry J.V.Khedkar, P.B. Joshi, M.S. Zambare, N.M. Kulkarni and S.P. Khedkar; 24 th National Symposium on Instrumentation, Goa University, Goa, 2000.
Design of optical fibre transmission system for an ellipsometer; S.S. Katti, J.V. Khedkar, S.P. Khedkar, N.M. Kulkarni, M.S. Zambare, A.D. Shaligram; 24 th National Symposium on Instrumentation, Goa University, Goa, 2000.
Radhakrishnan, S.; Khedkar, Sachin P.; Conducting polymer composites as thermal sensors , National Seminar on Physics and Technology of Sensors, University of Pune, Pune, Feb. 1996, 3, 1996.
Development of a low cost ellipsometer for undergraduate laboratory, J. V. Khedkar , S. P. Khedkar , N. M. Kulkarni and A. B. Lele, XIAPT Conf. bulletin, 35 (1995).
Hatamie, Shadie; Dhas, Vivek; Mulla, I.S.; Khedkar, S.P; Kale, S. N.; Humidity sensing using polymer-tin oxide nanocomposites, Symposium on Nanomaterials and their Applications, (SNMA2009), Pune, India, 2009
Kulkarni, K. A.; Khandge, Y. S.; Khedkar, S. P.; Kulkarni, N. M.; Zambare, M. S.; Designing Multichannel Data Logging System For Monitoring Environmental Parameters, National Conference on Sensor Networks and Embedded Systems(NCSNES-2011), 2011
Khedkar, Sachin P.; Shaligram, Kiran D.; Role of IQAC in Colleges opting for Academic Autonomy; State level conference on "Autonomy to Colleges and Role of IQAC" ; September, 2013.
Khedkar, J.V.; Deshmukh, U. P.; Zambare, M.S.; Khedkar, S. P.; Kulkarni, N. M.; Joshi, P.B.; Analysis of polarimetric data for cane juice in order to improve sugar factory performance ; 24th National Symposium on Instrumentation, Goa University, Goa, 2000.
Radhakrishnan, Sachin P. Khedkar and S.; Unusual features in electrical conductivity of polypyrrole molecular composites; National Conference on Developments in Electronic Materials and their Applications, 1995.
Radhakrishnan, Sachin P. Khedkar and S.; Anisotropy in dip-coated conducting polypyrrole composite films Fifth AGM, Materials Research Society of India, Hyderabad, 1994.
Khedkar, S. P.; Gaware, A. S.; Zambare, M. S.; Joshi, S. V.; Kulkarni, N. M.; Lele, A. B.; Shaligram, A. D.; Computer controlled high Precision rotating polarizer assembly for rotating polariser ellipsometer; Journal of Instrument Society of India, 28, 1, 67, 1998, Instrument Society of India.
Khedkar, J. V.; Padhye, A. A.; Khedkar, S. P.; Kulkarni, N. M.; Lele, A. B.; Shaligram, A. D.; PC based data acquisition and analysis for spectroscopic ellipsometer ; Journal of Instrument Society of India, 28, 2, 87, 1998, Instrument Society of India.
Khedkar J.V., Khedkar S.P., Zambare M.S.; Mathematics for Electronics ; Advances in Electronics and Interdisciplinary Applications, 36 – 40, 2014.
Chaphalkar A.S., Deshpande N.H., Khedkar S.P.; Flow indicator and totalizer using microcontroller ; Advances in Electronics and Interdisciplinary Applications; ISBN 978-93-5174-783-3, 64-67, 2014.
Shejwal Kiran, Yadav Dhanashree, Khedkar S.P.; Audio notice board for visually challenged persons;

Advances in Electronics and its interdisciplinary applications; ISBN 978-93-5174-783-3, 60-63, 2014.

Kulkarni K.A., Khedkar J.V., Khedkar S.P., Shaligram A.D., Zambare M.S.; Mathematical modeling of variation of CO₂ and O₂ contents in a closed chamber due to vegetation, Advances in Electronics and its interdisciplinary applications; ISBN 978-93-5174-783-3, 2014.

Seminars and Workshops Attended:-

National Seminar on Physics and Technology of Sensors, University of Pune, Pune, 1996
Fifth AGM, Materials Research Society of India, Hyderabad, 1994
National Conference on Developments in Electronic Materials and their Applications, 1995.
Advances in Electronics and its interdisciplinary applications, 2014
Autonomy to Colleges and Role of IQAC" ; September, 2013.
Academic Leadership Academy, Penn State University, USA, 2013

Seminars and Workshops Organized:-

Symposium on Nanomaterials and their Applications, (SNMA2009), Pune, India, 2009
Advances in Electronics and its interdisciplinary applications; 2014.

Other Accomplishments:-

Worked as India expert in IT enabled education delivery, at ALA, Penn State University, USA, 2014.