



Holy-wood Academy, Kolhapur's

## SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

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## Department of Basic Sciences & Humanities

### Research Publications

Academic Year 2020-2021					
Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISBN/ISSN number
Synthesis of nanostructured CdO-ZnO composite for gas sensing application.,	AK Sharma, SS Potdar, KS Pakhare, UM Patil, VS Patil, MC Naik	Physics	Journal of Materials Science: Materials in Electronics31(23), 1-13 (2020)	2020	0957-4522
Active cooling system for efficiency improvement of PV panel and utilization of waste recovered heat for hygienic drying of onion flakes,	V. H. Deokar; R. S. Bindu, S. S. Potdar	Physics	Journal of Materials Science: Materials in Electronics32, pages2088–2102 (2021)	2021	0957-4522
Synthesis of CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> nanocomposite by chemical combustion method for NO <sub>2</sub> gas-sensing application	MC Naik, SR Bamane, KS Pakhare, SS Potdar, UM Patil	Physics	Journal of Materials Science: Materials in Electronics1-13 (2021)	2021	0957-4522

synthesis and characterization of extremely porous Gd <sub>2</sub> O <sub>3</sub> -ZnO nanocomposite sensor for no <sub>2</sub> gas detection,	MC Naik, SR Bamane, KS Pakhare, SS Potdar	Physics	RASĀYAN Journal of Chemistry, Vol. 14, No.4, (2021)	2021	0974-1496
Fluorescence resonance energy transfer	Dhanshri V. Patil, Vishal S. Patil	Chemistry	1) <i>Indian Journal of Chemistry: Section A</i> , 59A, (2020) 783	2020	0975-0975
Nanostructured CdO-ZnO composite	A. K. Sharma, S. S. Potdar, V. S. Patil	Chemistry	Journal of Materials Science: Materials in Electronics 31(23), 1-13 (2020)	2020	0957-4522

**Year 2019-2020**

Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISBN/ISSN number
Facile synthesis of Nanodiced SnO <sub>2</sub> -ZnO composite by chemical route for gas sensor application,	K.S. Pakhare, B.M. Sargar, S. S. Potdar, A. K. Sharma, U.M.Patil,	Physics	<i>Journal of electronic materials</i> , 48 (10), 6269-6279 (2019)	2019	0361-5235
A novel FRET probe for determination of fluorescein sodium in aqueous solution: Analytical application for ophthalmic sample.	Dhanshri V. Patil, · Vishal S. Patil	Chemistry	<i>Indian Journal of Chemistry: Section A</i> 58 (2019) 1187	2019	0975-0975

**Year 2018-2019**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
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Influence of bath temperature on Microstructure and NH <sub>3</sub> sensing properties of chemically synthesized CdO thin films,	S. S. Potdar, A.K. Sharma, U. M. Patil, B. M. Sargar, K. S. Pakhare, M. V. Rokade,	Physics	<i>Mater. Sci. Poland</i> ,37 (1) 25-32 (2019)	2019	ISSN 2083-1331, e-ISSN 2083-134X
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### Year 2017-2018

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Electrochemical synthesis of Cu <sub>x</sub> Se <sub>1-x</sub> thin film for supercapacitor application	M.A.Yewale, A.K. Sharma, D. B. Kamble, C.A.Pawar, S. S. Potdar, S.C.Karle,	Physics	<i>Journal of Alloys and compound</i> 754,56-63,2018	2018	ISSN: 0925-8388

### Year 2016-2017

Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISBN/ISSN number
Synthesis of novel probe 2-chloro-6-methoxy-3-phenyl hydrazone quinoline and its application to detection of persulphate in aqueous ethanol solution by fluorescence turn on	Dhanshri V. Patil, • Vishal S. Patil, • Sandeep A. Sankpal, • Govind B. Kolekar, • Shivajirao R. Patil	Chemistry	<i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i>	2017	ISSN 1388-3127
on a new subclass on Goodman-Rønning-type harmonic univalent functions defined by multiplier transformation	Santosh Joshi a , *, Sayali Joshi b , Haridas Pawar c	Mathematics	<i>Indian Journal of Math</i> , 59(1),35-50	2017	ISSN- 0019-5324

Coefficient Estimates for Certain Subclasses of Vi-Univalent Functions	S. B. Joshi, H. H. Pawar & P.P. Yadav	Mathematics	<i>Analele Universit at ii Oradea Fasc. Matematica, Tom XXIV (2017), Issue No. 1, 163{170</i>	2017	ISSN- 1221-1265
The selective ethanol gas sensing performance of CdO1-X-ZnOX nanocomposite	A. K. Sharma, S. S. Potdar, K. S. Pakhare, B. M. Sargar, M. V. Rokade, N. L. Tarwal	Physics	<i>J. Mater Sci: Mater. Electron, 28, 3752-3761, 2017.</i>	2017	
Highly porous web network of Mn doped ZnO for ammonia gas sensor	K.S. Pakhare , B.M. Sargar, S. S. Potdar, A. K. Sharma	Physics	<i>IJERA Vol. 7 (2017) 06-14</i>	2017	

**Year 2015-2016**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISBN/ISSN number</b>
Coefficient Estimates for Certain Subclasses of Meromorphically Bi-Univalent Functions	H. M. Srivastava, Santosh B. Joshi, Sayali S. Joshi and Haridas Pawar	Mathematics	<i>Palestine Journal of Mathematics Vol. 5(Special Issue: 1) (2016) , 250–258</i>	2016	ISSN- 2219-5688
On a Certain Subclasses of Bi-Univalent Functions	S. Joshi, S. Joshi, H. Pawar	Mathematics	<i>Acta Universitatis Apulensis <a href="http://www.uab.ro/auajournal/">http://www.uab.ro/auajournal/</a> No. 45/2016 pp. 87-96</i>	2016	ISSN- 1582-5329

On some subclasses of bi-univalent functions associated with pseudo-starlike functions	Santosh Joshi a , *, Sayali Joshi b , Haridas Pawar c	Mathematics	<i>Egyptian Mathematical Society- Journal of the Egyptian Mathematical Society (2016) 24 , 522–525 www.etms-eg.org www.elsevier.com/locate/joems</i>	2016	1110-256X
Certain Subclass of Generalized Salagean-Type Harmonic Univalent Functions with Missing Coefficients	S. B. Joshi, S. S. Joshi, H. H. Pawar	Mathematics	<i>Southeast Asian Bulletin of Mathematics (2016) 40: 693–705</i>	2016	0129-2021,0219-175X
On a certain subclass of analytic functions with negative and fixed second coefficient	Santosh Joshi a , *, Sayali Joshi b , Haridas Pawar c	Mathematics	<i>Journal of Indian Acad. Math, 38(2),127-140</i>	2016	ISSN- 0970-5120

**Year 2014-2015**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISBN/ISSN number</b>
on subclass of starlike functions with fixed points	Santosh Joshi a , *, Sayali Joshi b , Haridas Pawar c	Mathematics	<i>Journal of Indian Acad. Math, 37(1),101-111</i>	2015	ISSN- 0970-5120
Electrochemical synthesis of nanoplatelets-like CuSO <sub>0.2</sub> Se <sub>0.8</sub> thin film for photoluminescence applications	. K. Sharma, M. A. Yewale, G. A. Chavan, D. B. Kamble, S. S. Potdar	Physics	<i>Mater. Sci. Poland, 33, 397-401, 2015.</i>	2015	ISSN 2083-1331, e-ISSN 2083-134X

**Year 2013-2014**

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number
Development of Electrochromic Device Based on Electrodeposition and Chemical Bath Deposition for Nickel Oxide Thin Films Doped with Efficient Multichromatic Polymers	A.A.Kulkarni,S.S. Tupe ,A.V. Kadam	Physics	<i>International Journal of latest Trends in Engineering and Technology, Vol. 2 Issue 1 January 2013</i>	2013	ISSN - 23193778
“Stage Space and Social Space in Jaywant Dalvi’s play Barrister”.	Kolekar, Ashok.and Karekatti Tripti	English (Communication Skills)	<i>Asian Journal of English Studie, Volume No.3 (2014): 20-41</i>	2014	ISSN- 2277-3606

**Year 2012-2013**

An environmentally benign, solvent free synthesis and antibacterial activity of Novel Schiff bases derived from 4,5-diazafluoren-9-one.	K. A. Shaikh, Vishal A. Patil. Azeem Ahmed.	Chemistry	<i>Elixir Org. Chem 45, 7881-7883.</i>	2012	ISSN 2229-712X
Solid phase-promoted greener synthesis and antibacterial activity of Novel Schiff bases under catalytically free condition.	K. A. Shaikh, Vishal A. Patil. Zamir A. Mohammed	Chemistry	<i>Elixir Org. Chem 43, 6960-6963.</i>	2012	ISSN 2229-712X
Atom efficient grinding technique for the synthesis of hydrazones catalyzed by citric acid,	Mohammed Zamir Ahmed, N. T. Patel, K. A. Shaikh, M. A. Baseer, Shaikh Shahid and Vishal A. Patil,	Chemistry	<i>Elixir Org. Chem43, 6583-6585.</i>	2012	ISSN 2229-712X



