

Curriculum vitae

1. Name and full correspondence address:

Dr. Mukund G. Mali,
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3. Institution: **Solapur University, Solapur.**

4. Date of Birth: **2nd May, 1987.**

5. Gender: **Male**

6. Category: **OBC**

7. Whether differently abled: **No**

8. Academic qualification

Sr. No.	Degree	Year	Subject	University/Institution	% Marks
1.	B.Sc.	2007	Chemistry	Solapur University, Solapur	63.16
2.	M.Sc.	2009	Physical Chemistry	Shivaji University, Kolhapur	64.00
3.	Ph.D.	2013	Chemistry	Shivaji University, Kolhapur	N.A.

9. Ph.D thesis title: **Pervaporation Separation of Liquid Mixtures Using Hybrid Polymer Membranes.**

Guide: **Prof. G. S. Gokavi, Professor in Physical Chemistry.**

Institute: **Shivaji University, Kolhapur.**

Year of award: **2013**

10. Work experience

Sr. No.	Position held	Name of the institution	From	To	Pay scale
1.	Research Professor	Korea University, Seoul, South Korea	1 st Nov., 2013	31 st January 2016	2200 US Dollors/month
2.	Assistant Professor	Solapur University, Solapur	16 th Feb., 2016	Till date	15600-6000-39100

11. Fellowship

Sr. No.	Position held	Name of the institution	From	To	Pay scale
1.	Meritorious Research Fellow (UGC-BSR)	University Grants Commission	9 th Sept., 2011	31 st March 2013	Rs 14000/ month

12. International Research Publications

Sr. No.	Author	Title	Name of the Journal (Impact factor)	Volume	Page number	Year
1.	Mukund G. Mali , Veeresh T. Magalad, Gavisiddappa S. Gokavi, Tejraj M. Aminabhavi, KVSN Raju	Pervaporation separation of isopropanol–water mixtures using mixed matrix blend membranes of poly (vinyl alcohol)/poly (vinyl pyrrolidone) loaded with phosphomolybdic acid	Journal of applied polymer Science (IF = 1.87)	121	711-719	2011
2.	Mukund G. Mali , Gavisiddappa S. Gokavi	Sorption and permeation studies for isopropanol+	Journal of polymer Research (IF = 2.0)	19	1-11	2012

		water mixtures using alginate based highly water selective nanocomposite membranes				
3.	Gavisiddapa S Gokavi, Mukund G Mali , Uday V Desai, Tejraj M Aminabhavi	Highly water selective mixed matrix blend membranes of poly (vinyl alcohol)-poly (vinyl pyrrolidone) incorporating phosphomolybdic acid for application in pervaporation assisted esterification of acetic acid with ethanol	Procedia Engineering (IF = --)	44	845-846	2012
4	Sandip V Nipane, Mukund G Mali , Gavisiddappa S Gokavi	Reduced graphene oxide supported silicotungstic acid for efficient conversion of thiols to disulfides by hydrogen peroxide	Industrial & Engineering Chemistry Research (IF = 2.57)	53	3924-3930	2014
5	Mukund G. Mali , Hyun Yoon, Seongpil An, Jae-Young Choi, Ha-Yong Kim, Byung Cheol Lee, Byung Nam Kim, Ji Hyun Park, Salem S. Al-Deyab, Sam S. Yoon	Enhanced solar water splitting of electron beam irradiated titania photoanode by electrostatic spray deposition	Applied Surface Science (IF = 3.15)	319	205-210	2014

6	Mukund G Mali , S An, M Liou, SS Al-Deyab, SS Yoon	Photoelectrochemical solar water splitting using electrospun TiO ₂ nanofibers Applied Surface Science 328, 109-114	Applied Surface Science (IF = 3.15)	328	109-114	2015
7	H Yoon, Mukund G Mali , JY Choi, M Kim, SK Choi, H Park, SS Al-Deyab, Sam.S. Yoon	Nanotextured Pillars of Electrospayed Bismuth Vanadate for Efficient Photoelectrochemical Water Splitting	Langmuir (IF = 3.99)	31	3727-3737	2015
8	Mukund G Mali , Hyun Yoon, Min Woo Kim, Mark T Swihart, Salem S Al-Deyab, SS Yoon	Electrospayed heterojunction WO ₃ /BiVO ₄ films with nanotextured pillar structure for enhanced photoelectrochemical water splitting	Applied Physics Letters (IF = 3.14)	106	151603	2015
9	Seongpil An, Hong S Jo, K Y Song, Mukund G Mali , Salem S Al-Deyab, Sam S Yoon	Electrically-charged recyclable graphene flakes entangled with electrospun nanofibers for the adsorption of organics for water purification.	Nanoscale (IF = 7.76)	7	19170-19177	2015
10	JG Lee, DY Kim, Mukund G Mali , SS Al-Deyab, MT Swihart, SS Yoon	Supersonically blown nylon-6 nanofibers entangled with graphene flakes for water purification	Nanoscale (IF = 7.76)	7	19027-19035	2015

11	Mukund G Mali , H Yoon, BN Joshi, H Park, SS Al-Deyab, DC Lim, SJ Ahn, Sam S. Yoon	Enhanced photoelectrochemical solar water splitting using a platinum-decorated CIGS/CdS/ZnO photocathode.	ACS applied materials & interfaces (IF = 7.6)	7	21619-21625	2015
12	Mukund G Mali , H Yoon, H Kim, B Joshi, SS Al-Deyab, SS Yoon	Chemical-Bath-Deposited Indium Oxide Microcubes for Solar Water Splitting	ChemPhysChem (IF = 3.14)	16	3450-3457	2015
13	H Yoon, Mukund G Mali , HY Kim, SS Al-Deyab, SS Yoon	Efficient Water Purification by Photocatalysis and Rapid Adsorption of Dip-Coated Metal Foam with Nanostructured Bismuth Vanadate	Journal of the American Ceramic Society (IF = 2.8)	99	1023-1030	2015
14	Bhavana Joshi, Hyun Yoon, Hayong Kim, Min-woo Kim, Mukund G Mali , Salem S Al-Deyab, Sam S Yoon	Heterojunction photoanodes for solar water splitting using chemical-bath-deposited In ₂ O ₃ micro-cubes and electro-sprayed Bi ₂ WO ₆ textured nanopillars	RSC advances (IF = 3.3)	5	85323-85328	2015
15	H Yoon, Mukund G Mali , M Kim, SS Al-Deyab, SS Yoon	Electrostatic spray deposition of transparent tungsten oxide thin-film photoanodes for solar water splitting	Catalysis Today (IF = 4.31)	260	89-94	2016
16	SS Patil, Mukund G	Green approach for hierarchical	Catalysis Today	260	126-134	2016

	Mali, MS Tamboli, DR Patil, MV Kulkarni, H Yoon, H Kim, Salem S. Al- Deyab, Sam S Yoon	nanostructured Ag-ZnO and their photocatalytic performance under sunlight	(IF = 4.31)			
17	Santosh Patil, Mukund G. Mali , Animesh Roy, Mohaseen S. Tamboli, Virendrakumar G. Deonikar, Deepak R. Patil, Sam S. Yoon, Sanjay S. Kolekar, Bharat B. Kale.	Graphene- Wrapped Ag ₃ PO ₄ /LaCO ₃ O H Heterojunction for Water Purification under Visible Light.	Journal of Energy Chemistry (IF = 2.32)	25	845- 853	2016
18	Min-woo Kim, Hyun Yoon, Tae Yun Ohm, Mukund G. Mali , Sung Kyu Choi, Hyunwoong Park, Salem S. Al-Deyab, Dong Chan Lim, SeJin Ahn, Sam S, Yoon,	Platinum- decorated Cu(InGa)Se ₂ /Cd S photocathodes: The role of CdS and Pt on photoelectrochem istry of solar water splitting	Journal of Alloys and compounds (IF = 3.1)	692	292- 300	2016
19	Santosh S. Patil, Mukund G. Mali , Mostafa Afifi, Deepak R. Patil, Sanjay S. Kolekar, Sang- Wan Ryu	One Pot in Situ Hydrothermal Growth of BiVO ₄ /Ag/rGO Hybrid Architectures for Solar Water Splitting and Environmental Remediation	Nature Scientific Reports (IF = 4.3)	Published online	---	2017
			Total Impact Factor = 73			