


Samarth eGov

Title	Dr.	First Name	Mahipal	Last Name		
Designation		Assistant Professor				
Department		Department of Chemistry				
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Employement Info		
Employee Type	Nature Of Employment	
Teaching	Permanent	
Educational		
Degree	Institution	Year
Ph.D. - Design and synthesis of functionalized Glycosylphosphatidylinositol (GPI) anchor analogs and development of new synthetic methodologies	Indian Institute of Integrative Medicine (CSIR) - Jammu/ University of Jammu	2017
PG	Guru Jambheshwar University of Science & Technology, Hisar	2008
UG	Maharshi Dayanand University, Rohtak	2006

SSC	Board of School Education Haryana, Bhiwani	2003	
HSC	Board of School Education Haryana, Bhiwani	2001	
Qualifications			
Examination Name	Conducted By	Date of Passing	
NET	CSIR-UGC	2008-06-22	
Fellowship			
Fellowship Name	Fellowship Body	Level	
Senior Research Fellowship	CSIR	National	
Teaching experience inside the Institution			
Designation	Institution	Duration From	Duration To
Senior Scientific Manager	Aragen Life Sciences, Hyderabad, Telangana, India	2022-09-14	2023-06-28
Postdoctoral Research Associate	The Scripps Research Institute, La Jolla, California, USA	2016-10-03	2021-09-30
Associate Team Leader	PI Industries Limited, Udaipur, Rajasthan, India	2021-10-12	2022-09-03
Administrative experience outside the Institution			
Designation	Institution Name	Duration from	Duration to
COVID co-ordinator	The Scripps Research Institute, La Jolla, California, USA	2020-05-11	2023-09-30

Safety Officer	The Scripps Research Institute, La Jolla, California, USA		2018-01-01	2021-09-30				
Association with professional bodies								
Name Of Professional Agency		Name Of Activity			In Year			
American Chemical Society		Member			2020			
Asian Polymer Association		Member			2011			
Research Publications								
Article Name		Publication Type	Journal Name	ISSN No	Volume	Year	URL	DOI
Prebiotic Synthesis of α-Amino Acids and Orotate from α-Ketoacids Potentiates Transition to Extant Metabolic Pathways		Research Papers in Peer Reviewed Journals	Nat. Chem.		14	2022		
A Plausible Prebiotic One-Pot Synthesis of Orotate and Pyruvate Suggestive of Common Protometabolic Pathways		Research Papers in Peer Reviewed Journals	Angew. Chem. Int. Ed.		61	2022		
Cyanide as a Primordial Reductant enables a Protometabolic Reductive Glyoxylate Pathway		Research Papers in Peer Reviewed Journals	Nat. Chem.		14	2022		
A Plausible Metal-Free Ancestral Analogue of the Krebs Cycle Composed Entirely of α-Ketoacids		Research Papers in Peer Reviewed Journals	Nat. Chem.		12	2020		
Chemistry of abiotic nucleotide synthesis		Research Papers in Peer Reviewed Journals	Chem. Rev.		120	2020		
Bis(dimethylamino)phosphorodiamidate: A reagent for regioselective cyclophosphorylation of cis-diols enabling one-step access to high-value target cyclophosphates		Research Papers in Peer Reviewed Journals	Org. Lett.		21	2019		
Effect of temperature modulations on TEMPO-mediated regioselective oxidation of unprotected carbohydrates and nucleosides		Research Papers in Peer Reviewed Journals	Bio. Med. Chem. Lett.		28	2018		

Rapid resolution of carbohydrate isomers via multi-site derivatization ion mobility-mass spectrometry	Research Papers in Peer Reviewed Journals	Analyst	143	2018
Synthesis and immunopotentiating activity of novel isoxazoline functionalized coumarins	Research Papers in Peer Reviewed Journals	Eur. J. Med. Chem.	123	2016
Metal-free, Phosphonium Salt-Mediated Sulfoximation of Azine N-oxides: Approach for the Synthesis of N-azine Sulfoximines	Research Papers in Peer Reviewed Journals	J. Org. Chem.	81	2016
Dimethyltin dichloride catalyzed regio-selective alkylation of 1,2-cis-diols at room temperature	Research Papers in Peer Reviewed Journals	J. Org. Chem.	80	2015
Metal-free approach for the synthesis of N-aryl sulfoximines via aryne intermediate	Research Papers in Peer Reviewed Journals	Org. Lett.	17	2015
Regio-selective oxidative C-H phosphonation of imidazo[1,2-a]pyridines and related heteroarenes mediated by manganese(III)acetate	Research Papers in Peer Reviewed Journals	Eur. J. Org. Chem.	2015	2015
Transbilayer lipid interactions mediate nanoclustering of lipid-anchored proteins	Research Papers in Peer Reviewed Journals	Cell	161	2015
HClO ₄ -Silica-catalysed regioselective opening of benzylideneacetals and its application towards regioselective HO-4 glycosylation of benzylideneacetals in one-pot	Research Papers in Peer Reviewed Journals	Carbohydrate Res.	391	2014
Synthesis of non-hydrolysable mimics of glycosylphosphatidylinositol (GPI) anchors	Research Papers in Peer Reviewed Journals	Org. Biomol. Chem.	12	2014
Iron-catalyzed cross-coupling of electron-deficient heterocycles and quinone with organoboron species via innate C-H functionalization: Application in total synthesis of pyrazine alkaloid Botryllazine A	Research Papers in Peer Reviewed Journals	J. Org. Chem.	78	2013
New method for C-H arylation/alkylation at α -position of cyclic aliphatic ethers by iron-oxide mediated reaction	Research Papers in Peer Reviewed Journals	Org. Biomol. Chem.	10	2012
Synthesis of new fluorescently labeled glycosylphosphatidylinositol (GPI) anchors	Research Papers in Peer Reviewed Journals	Tetrahedron Lett.	52	2011

Honour And Awards				
Name of the Award	Name of the Awarding Body	Award Category	Level	Date of Award
Ramanujan Fellowship	SERB-India	Research	National	2022-02-15
Foreign Translations				
Published As	Title	Author	Published Date	