

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years (8)

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISSN number	Link of the recognition in UGC enlistment of the Journal	UGC notified No.
An ICT based “Turn on/off” quinoline armed calix[4]arene fluoroionophore: its sensing efficiency of fluoride from waste water and Zn ²⁺ from blood serum	Pinkesh G Sutariya, Nishith R Modi, Alok Pandya, Bhoomika Joshi, Kuldeep Joshi and Shobhana K. Menon	Chemistry	Analyst	2012	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
The influence of linking group in exterior point on mesogenic properties of the basket moulded molecules: calix[4]arene	Pinkesh G. Sutariya, Alok Pandya, Vipinchandra A. Rana and Shobhana K. Menon	Chemistry	Liquid Crystals	2013	1366-5855	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

Synthesis, mesomorphism and dielectric behaviour of novel basket shaped scaffolds constructed on lower rim azocalix[4]arene	Pinkesh G Sutariya, Nishith R. Modi, Alok Pandya and V. A Rana, Shobhana K Menon	Chemistry	RSC Advances	2013	2046-2069	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
A highly efficient PET switch on-off-on fluorescence receptor based on calix[4]arene for selective recognition of Cd ²⁺ and Sr ²⁺	Pinkesh G Sutariya, Alok Pandya, and Shobhana K Menon	Chemistry	Analyst	2013	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Fluorescence switch on-off-on receptor constructed on quinoline allied calix[4]arene for selective recognition of Cu ²⁺ from blood serum and F- from industrial waste water	Pinkesh G Sutariya, Alok Pandya, Anand Lodha and Shobhana K Menon	Chemistry	Analyst	2013	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

A unique fluorescence biosensor for selective detection of tryptophan and histidine	Pinkesh G Sutariya, Alok Pandya, Anand Lodha and Shobhana K Menon	Chemistry	Analyst	2014	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
A pyrenyl linked calix[4]arene fluorescence probe for recognition of ferric and phosphate ions	Pinkesh G Sutariya, Alok Pandya, Anand Lodha and Shobhana K Menon	Chemistry	RSC Advances	2014	2046-2069	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
simple and rapid creatinine sensing via DLS selectivity, using calix[4]arene thiol functionalized gold nanoparticles	Pinkesh G. Sutariya, Alok Pandya, Anand Lodha and Shobhana K. Menon	Chemistry	Talanta	2016	0039-9140	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Thioctic acid modified gold nanoprobe for highly specific and ultrasensitive detection of lanthanide in soil and water	Alok Pandya, Kuldeep V. Joshi, Pinkesh G Sutariya, and Shobhana K. Menon	Chemistry	Analytical method	2012	1759-9679	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

Calixarene capped ZnS quantum dots as an optical nanoprobe for detection and determination of menadione (VK3)	Kuldeep Joshi, Bhoomika Joshi, Alok Pandya, Pinkesh G. Sutariya and Shobhana Menon	Chemistry	Analyst	2012	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
A non-enzymatic glucose biosensor based on ultrasensitive calix[4]arene functionalized boronic acid gold nanoprobe for the sensing in human blood serum	Alok Pandya, Pinkesh G. Sutariya and Shobhana K. Menon	Chemistry	Analyst	2013	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
A novel calix[4]arene thiol functionalized silver nanoprobe for selective recognition of ferric ion with nanomolar sensitivity via DLS selectivity in human biological fluid	Alok Pandya, Pinkesh G. Sutariya, Anand Lodha and Shobhana K. Menon	Chemistry	Nanoscale	2013	2040-3372	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

Analytical detection and method development of anticancer drug Gemcitabine HCl using gold nanoparticles	Shobhana K. Menon, Bhoomika R. Mistry, Kuldeep V. Joshi, Pinkesh G. Sutariya, Ravindra V. Patel	Chemistry	Spectrochimica Acta Part A	2012	1386-1425	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Melamine modified gold nanoprobe for “on spot” colorimetric recognition of clonazepam from biological specimens	Anand Lodha, Alok Pandya, Pinkesh G. Sutariya and Shobhana K. Menon	Chemistry	Analyst	2013	0003-2654	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Protein mediated synthesis of Gold Nanobiocatalyst (AuNBC) by microwave: A high efficient catalytic activity for the selective oxidation of benzyl alcohol	Alok Pandya, Pinkesh G. Sutariya and Shobhana K. Menon	Chemistry	Journal of molecular catalysis A-Chemical	2013	1381-1169	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

Host guest mediated sensing of biologically relevant small molecules using supramolecular nanoassembly	Alok Pandya, Pinkesh G Sutaria, Anand Lodha and Shobhana K Menon	Chemistry	Molecular Cytogenetics	2014	1755-8166	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
A smart and rapid colorimetric method for detection of codeine sulphate using unmodified gold nanoprobe	Anand Lodha, Alok Pandya, Pinkesh G. Sutariya and Shobhana K. Menon	Chemistry	RSC Advances	2014	2046-2069	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Lab-on-phone citrate-capped silver nanosensor for lidocaine hydrochloride detection from a biological matrix	Niha Ansari, Anand Lodha, Alok Pandya, Pinkesh G. Sutariya and Shobhana K. Menon	Chemistry	Analytical method	2015	1759-9679	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

Design, synthesis and characterization of quinoline–pyrimidine linked calix[4]arene scaffolds as anti-malarial agents	Rahul B. Shah, Nikunj N. Valand, Pinkesh G. Sutariya, Shobhana K. Menon	Chemistry	J Incl Phenom Macrocycl Chem	2016	1573-1111	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Single step fluorescent recognition of As ³⁺ , Nd ³⁺ and Br- consuming pyrene-allied calix[4]arene : Their application to real samples, computational modelling and paper based device	Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi, Alok Pandya	Chemistry	New Journal of Chemistry	2019	1369-9261	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Novel luminescent paper based calix[4]arene chelation enhanced fluorescence photo induced electron transfer probe for Mn ²⁺ , Cr ³⁺ and F ⁻	Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi, Alok Pandya	Chemistry	Journal of Luminescence	2019	0022-2313	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	

<p>Novel tritopic calix[4]arene CHEF-PET fluorescence paper based probe for La³⁺, Cu²⁺, and Br⁻ : Its computational investigation and application to real samples</p>	<p>Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi, Alok Pandya</p>	<p>Chemistry</p>	<p>Journal of Luminescence</p>	<p>2019</p>	<p>0022-2313</p>	<p>https://ugccare.unipune.ac.in/site/Website/CareList.aspx</p>	
<p>Luminescent behavior of pyrene-allied calix[4]arene for highly pH selective recognition and determination of Zn²⁺, Hg²⁺ and I⁻ via CHEF-PET mechanism: Computational experiment and paper based device</p>	<p>Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi, Alok Pandya</p>	<p>Chemistry</p>	<p>New Journal of Chemistry</p>	<p>2019</p>	<p>1369-9261</p>	<p>https://ugccare.unipune.ac.in/site/Website/CareList.aspx</p>	

Single step synthesis of novel hybrid fluorescence probe for selective recognition of Pr(III) and As(III) from soil samples	Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi	Chemistry	Journal of Molecular Structure	2020	0022-2860	https://ugccare.unipune.ac.in/site/Website/CareList.aspx	
Luminescent Novel Calix[4]Arene Based Naphthalene as Drug for Anti-Cancer: A Versatile Material for Drug Design and Applications	Sahaj A Gandhi, Pinkesh Sutariya, Heni Soni,	Chemistry	SSRN	2020	3529912		
Turn on fluorescence strip based sensor for recognition of Sr ²⁺ and CN ⁻ via lowerrim substituted calix[4]arene and its computational investigation	Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi, Alok Pandya	Chemistry	Spectrochimica Acta Part A	2020	1386-1425		





