

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

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 <sup>2+</sup> from blood serum	<b>Pinkesh G Sutariya, Nishith R Modi, Alok Pandya, Bhoomika Joshi, Kuldeep Joshi and Shobhana K. Menon</b>	Chemistry	Analyst	2012	0003-2654	<a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a>	
The influence of linking group in exterior point on mesogenic properties of the basket moulded molecules: calix[4]arene	<b>Pinkesh G. Sutariya, Alok Pandya, Vipinchandra A. Rana and Shobhana K. Menon</b>	Chemistry	Liquid Crystals	2013	1366-5855	<a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a>	

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

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

Calixarene capped ZnS quantum dots as an optical nanoprobe for detection and determination of menadione (VK3)	<b>Kuldeep Joshi, Bhoomika Joshi, Alok Pandya, Pinkesh G. Sutariya and Shobhana Menon</b>	Chemistry	Analyst	2012	0003-2654	<a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a>	
A non-enzymatic glucose biosensor based on ultrasensitive calix[4]arene functionalized boronic acid gold nanoprobe for the sensing in human blood serum	<b>Alok Pandya, Pinkesh G. Sutariya and Shobhana K. Menon</b>	Chemistry	Analyst	2013	0003-2654	<a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a>	
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	<b>Alok Pandya, Pinkesh G. Sutariya, Anand Lodha and Shobhana K. Menon</b>	Chemistry	Nanoscale	2013	2040-3372	<a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a>	

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

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

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

<p>Novel tritopic calix[4]arene CHEF-PET fluorescence paper based probe for La<sup>3+</sup>, Cu<sup>2+</sup>, and Br<sup>-</sup> : Its computational investigation and application to real samples</p>	<p><b>Pinkesh Sutariya,</b> <b>Heni Soni,</b> <b>Sahaj A Gandhi,</b> <b>Alok Pandya</b></p>	<p>Chemistry</p>	<p>Journal of Luminescence</p>	<p>2019</p>	<p>0022-2313</p>	<p><a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a></p>	
<p>Luminescent behavior of pyrene-allied calix[4]arene for highly pH selective recognition and determination of Zn<sup>2+</sup>, Hg<sup>2+</sup> and I<sup>-</sup> via CHEF-PET mechanism: Computational experiment and paper based device</p>	<p><b>Pinkesh Sutariya,</b> <b>Heni Soni,</b> <b>Sahaj A Gandhi,</b> <b>Alok Pandya</b></p>	<p>Chemistry</p>	<p>New Journal of Chemistry</p>	<p>2019</p>	<p>1369-9261</p>	<p><a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a></p>	



Single step synthesis of novel hybrid fluorescence probe for selective recognition of Pr(III) and As(III) from soil samples	<b>Pinkesh Sutariya, Heni Soni, Sahaj A Gandhi</b>	Chemistry	Journal of Molecular Structure	2020	0022-2860	<a href="https://ugccare.unipune.ac.in/site/Website/CareList.aspx">https://ugccare.unipune.ac.in/site/Website/CareList.aspx</a>	
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