

**Name of faculty (with photo)**

1. **Name:** Dr. Anant B. Kanagare



**Qualification:** M.Sc, B.Ed, SET, Ph.D.

**Specialization:** Inorganic Chemistry

**Designation:** Assistant Professor

**Experience:** 3 Years

**Email id:** anantinostar@gmail.com

**Contact number:** 9082439051, 9011449480

**Research area of interest:** Advanced Separation Processes, Green Synthesis of Metal Oxide Nanoparticles, and Development of New Methodology for various Polymer Synthesis etc.

**Research Students:** Nil

**Research guidance:** Nil

Sr. No.	Name of candidate	Title	Date of registration	University	M. Phil./Ph.D.	Date of degree awarded	View PDF

**Research publications**

Sr . No	Title of article	Authors	Name of journal	Vol no.	Issue no.	Year	Level	ISSN	Impact factor	View PDF
1.	Self-Assembled Glycobis(acrylamide)-Stabilized Gold Nanoparticles for Fluorescent Turn-on Sensing of Lectin and Escherichia coli DOI: <b>10.1021/acsanm.9b02127</b>	Juby K. Ajish, <b>Anant B. Kanagare</b> , K. S. A. Kumar, M. Subramanian, A. D. Ballal and M. Kumar.	ACS Applied Nanomaterials	3	2	2020	International	ISSN : 2574-0970	In calculation	DOI: 10.1021/acsanm.9b02127
2.	Synthesis of Cobalt hexacyanoferrate nanoparticles and its hydrogen storage properties. 7998-8006.	Asheesh Kumar, <b>Anant B. Kanagare</b> , S. Banerjee, Pradip Kumar, M. Kumar, V. Sudarsan.	Int. J. Hydrogen Energy.	43	16	2018	International	ISSN : 0360-3199	4.939	https://doi.org/10.1016/j.ijhydene.2018.03.011
3.	“Mössbauer spectroscopic study of cobalt hexacyanoferrate nanoparticles: Effect of Hydrogenation” doi: 10.1063/1.5029176	Asheesh Kumar, <b>Anant B. Kanagare</b> , S. S. Meena, S. Banerjee, P. Kumar, and V. Sudarsan:	Citation: AIP Conference Proceedings	194	2	2018	International			doi: 10.1063/1.5029176
4.	Synthesis of D2EHPA Impregnated Polymeric Beads for Extraction of Zinc from Zinc-rich Waste Liquor. 193-206	<b>Anant B. Kanagare</b> , K.K. Singh, M. Kumar, M. Yadav, R. Ruhela, A. Kumar, V. S. Shinde.	Curr. Appl. Polym. Sci.	1	2	2017	International	ISSN : 2452-2724		DOI: 10.2174/24527216170619125415
5.	Synthesis of Ionically Crosslinked N-Succinyl Chitosan Hydrogel Beads for Recovery of Palladium from Acidic Aqueous Solution. 60-68.	<b>Anant B. Kanagare</b> , J. K. Ajish, K. K. Singh, V. S. Shinde, M.Kumar	Asian J. Mat. Chem.	2	2	2017	International	ISSN : 2456-6225	0.90	DOI: https://doi.org/10.14233/ajmc.2017.AJM C-P39
6.	DTDGA Impregnated XAD-16 Beads for	<b>Anant B. Kanagare</b> , K.K.	Ind. Eng. Chem.	55	49	2016	International	ISSN :	3.573	DOI: 10.10

	Separation of Gold from Electronic Waste. 12644-12654	Singh, M. Kumar, M. Yadav, R. Ruhela, A. Kumar, V. S. Shinde.	<i>Res.</i>					0888-5885		21/acs.iecr.6b03350
7.	Synthesis of Potassium Nickel Hexacyanoferrate Encapsulated Polymeric Beads for Extraction of Cesium.	<b>Anant B. Kanagare</b> , K. K. Singh, G. K.Kumar, V. S. Shinde, M. Kumar.	<i>Int. J. Innov. Res. Sci. Eng. Technol</i>	5	1	2016	International	ISSN :2319-8753	7.089	DOI:10.15680/IJRSET.2015.0501033
8.	Dithiodiglycolamide impregnated XAD-16 beads for separation and recovery of palladium from acidic waste. 3357-3363.	<b>Anant B. Kanagare</b> , K.K. Singh, K.K. Bairwa, R. Ruhela, V.S. Shinde, M. Kumar, A.K. Singh.	<i>J. Env. Chem. Eng.</i>	4	3	2016	International	ISSN : 2213-3437	4.300	DOI:10.1016/j.jece.2016.06.031

#### Books published: Nil

Sr. No.	Title	Author	Type of book	Publication	ISBN	Year of publication

#### Chapters published in books: Nil

Sr. No.	Title of books	Book chapters	Author	Editor	ISBN	Year of publication

#### Paper presentation in conferences and seminars

Sr. No	Title of conference	Title of article	Sponsored by	Organized by	Level	Year	ISBN /ISSN	View PDF
1.	12 <sup>th</sup> National Symposium on Radiation and	Removal of mercury (Hg) from acidic waste	Department of Atomic Energy, Government of India	Manipal University, Manipal,	National	March 2017		

	Photochemistry (NSRP-2017)	solution by amidoximated pan grafted onto amberlitexad beads”		Karnataka,India				
2.	Trombay Symposium on Radiation & Photochemistry (TSRP-2016) incorporating 6 <sup>th</sup> Asia Pacific Symposium on Radiation Chemistry (APSRC-2016)	“Synthesis of D2EHPA impregnated Polymeric Beads for Extraction of Zinc from Aqueous Wastes”	Department of Atomic Energy, Government of India	Bhabha Atomic Research Centre, Mumbai India	International	Jan 2016		
3.	Trombay. Symposium on Radiation and Photochemistry (TSRP-2016) incorporating 6 <sup>th</sup> Asia Pacific Symposium on Radiation Chemistry (APSRC-2016)	“Synthesis and Characterization of Potassium Nickel Hexacyanoferrate Encapsulated Polymeric Beads for Extraction of Cesium”	Department of Atomic Energy, Government of India	Bhabha Atomic Research Centre, Mumbai India in	International	Jan 2016.		
4.	DAE-BRNS Biennial Symposium Emerging Trends Separation Science And Technology(SESTE 2016)	“Synthesis of Potassium Cobalt Hexacyanoferrate Encapsulated Polymeric Beads for Extraction of Cs from Acidic Solution”	Department of Atomic Energy, Government of India	Indian Institute of Technology Guwahati, Assam, India	International	May 2016		
5.	National Conference on Material advances for better future (NCMABF-2015)	“Synthesis of ionically crosslinked N-succinyl chitosan hydrogel beads for extraction of Palladium from aqueous waste”	BCUD Pune University	Jijamata College of Science and Arts, Bhenda, Ahmednagar, Maharashtra, India in	National	Jan 2015		
6.	Interdisciplinary Approach in Green Science (IAGS-2015)	“Preparation and characterization of PC88A-impregnated polymeric beads for Copper extraction”	BCUD Pune University	S. M. Joshi College, Hadapsar, Pune, India	National	Feb 2015		
7.	International Conference On	“DTDGA Impregnated	BCUD Solapur	KBP Mahavidyalaya	International	March 2015		

	Functional Materials @ Nanoscale: Concerns and Challenges (ICFMNCC-2015)	XAD-16 Beads for Separation and Recovery of Gold from Acidic Wastes''	University	, Pandharpur, Maharashtra, India in				
8.	DAE-BRNS5 <sup>th</sup> Interdisciplinary Symposium On Materials Chemistry (ISMC 2014)	“DTDGA impregnated XAD-16 Beads for Separation and Recovery of Palladium from acidic wastes”	Department of Atomic Energy, Government of India	Bhabha Atomic Research Centre, Mumbai, India	National	Dec 2014		

### Refresher course/Faculty Development Programme

1. Completed online NPTEL certification course under FDP in Organometallic Chemistry organized by IIT Bombay in Jan-Feb 2019.
2. Completed online NPTEL certification course under FDP in Coordination Chemistry organized by IIT Kharagpur in July-Oct 2019.
3. Completed Swayam certification course under online Refresher Course in Chemistry organized by University of Delhi in Oct – Dec 2019.
4. Completed 2-Week FDP on "Managing Online Classes And Co-Creating Moocs 3.0" under Ministry Of Human Resource Development, Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching by Teaching Learning Centre, Ramanujan Ramanujan College, University of Delhi in July- August 2020.

### Professional Membership:

1. Life Member of International Association of Engineers (IAENG No. 228298).
2. Life Member of Society of Material Chemistry (LM1104)
3. Life Member of Indian Chemical Society (MR/2609)

### Awards and Achievements:

1. Awarded with **Senior Research Fellowship (SRF)** by Department of Atomic Energy (DAE), Govt. of India (2014-2017).
2. Awarded with **Junior Research Fellowship (JRF)** by Department of Atomic Energy (DAE), Govt. of India (2012-2014).
3. Awarded with **Best Student Award** of the year 2011 by TCE, University of Pune, Pune.
4. Awarded with State Level **Gold Medal and First Prize** in Debate Competition of the year 2011 held at SPCEW, Sharadanagar, Baramati.
5. Elected as a **General Secretary(G.S.)** of the year 2011 in Tilak College of Education, University of Pune, Pune