Faculty Profile

Title	Dr.	JAY ATULBHAI TANNA	Photograph
Designation		ASSITANT PROFESSOR (ADHOC)	
School / Dept. Name		DEPARTMENT OF CHEMISTRY	
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Subject Taught		Organic Chemistry	
Areas Of Intrest / Specialization		Nanomaterials	
Experience (in years)		Total	08
		Teaching	08
		Research	02
		Administration	NIL
Educational Qualifications		UG	B.SC.
		PG	M.SC.
		Doctorate	Ph.D.
		Any other	-

Research Publications in Journals (last five years)	[1] An alternative process for one-pot multicomponent synthesis of substituted 2, 4, 5-triphenylimidazoles using activated Fuller's earth as catalyst and molecular modeling data. Jay A. Tanna, Parvez S. Ali, Nilesh V. Gandhare, Lucky R. Agrawal, Saurabh S. Upare, Khalid M Al Mousa. ***Chemical Data Collections (Elsevier)*** 33 (2021) 100705. DOI:10.1016/j.cdc.2021.100705 **[2]** Histidine Capped ZnO Nanoparticles: An Efficient Synthesis, Characterization and Effective Antibacterial Activity. **Jay A. Tanna**, Ratiram Gomaji Chaudhary, Nilesh V. Gandhare, Alok R. Rai, Harjeet D. Juneja. ***BioNanoScience*** **(Springer)** 5, 123-134. DOI: 10.1007/s12668-015-0170-0 **[3]** Thermal decomposition kinetics of some coordination polymers of fumaroyl *bis*(paramethoxyphenylcarbamide) using DTG/DTA techniques, Ratiram Gomaji Chaudhary, Parvej Ali, Nilesh V. Gandhare, **Jay A. Tanna**, Harjeet D. Juneja, ***Arabian Journal of Chemistry (Taylor & Francis)*** (***2016***) Under Press. DOI: 10.1016/j.arabjc.2016.03.008. **[4]** Alumina nanoparticles: A new and reusable nano catalyst for the solvent free synthesis of Dihydropyrimidinone derivatives. Ratiram Gomaji Chaudhary, **Jay Tanna**, Nilesh V Gandhare, Harjeet D Juneja**.** ***Advanced Materials Letters,*** 7(8), 100-150, 2016. DOI: 10.5185/amlett.2016.6245. (**Impact Factor: 1.90**) **[5]** Facile synthesis, thermal degradation and effective antimicrobial activities of Cu (II) complexes with bis [3-acetoxy-2-aryl/heteroaryl-4H-chromone], Mangesh P. Gharpure, Ratiram Gomaji Chaudhary, Kimaya Potdar, **Jay A. Tanna**, Alok R. Rai and Harjeet D. Juneja, ***Journal of the Chinese Advanced Materials Society***, Vol. 4, No. 3, 195-210, 2016. *DOI: 10.1080/22243682.2016.1196389.* **[6]** Silica-coated nickel oxide a core-shell nanostructure: synthesis, characterization and its catalytic property in one-pot synthesis of malononitrile derivative, Ratiram Gomaji Chaudhary, **J. A. Tanna**, A. Mondal, N. V. Gandhare & H. D. Juneja, ***Journal of the Chinese Advanced Materials Society****, (Published online) (**Taylor & Francis**). DOI: 10.1080/22243682.2017.1296371.* **[7]** Synthesis of nickel nanoparticles: Microscopic investigation, an efficient catalyst and effective antibacterial activity, Ratiram Gomaji Chaudhary **Jay A. Tanna**, Nilesh V. Gandhare, Alok R. Rai, Harjeet D. Juneja, ***Adv. Mater. Lett.***

	(VBRI PRESS) 6(2015) 990-998. DOI: 10.5185/amlett.2015.5901 (**Impact Factor: 1.90**) [8] Bismuth Oxide Nanoparticles: An Efficient And Eco-Friendly Catalyst For The One-Pot Three-Component Synthesis of Imidazole Derivatives, **Jay A. Tanna**, Vaishali Sonkuare, Prashant B. Chauke, Ratiram G. Chaudhary, Harjeet D. Juneja, ***Bionano Frontier***, 5(2017), 214-216. **[9]** Incidence and Epidemiological study of COVID-19 in Nagpur urban region (India) using Molecular testing, **Jay Tanna**, Bishwadeep Singha, Amit R Nayak, Aliabbas A Husain, Dhananjay V Raje, Shubhangi Desai, Madhavi Deshmukh, Shailendra Mundhada, Rajpal S Kashyap, ***medRxiv***, 1 (2021). DOI: 10.1101/2021.05.11.21256719. **[10]** Cu Nanoparticles: An efficient catalyst for the synthesis of benzimidazole schiff's bases, Nilesh Gandhare, **Jay Tanna**, Manoj Shanti, ***International Journal in Physical and Applied Sciences***, 4(2017) 90-102.
Papers Published in Conference Proceedings (last five years)	**[1] March 2017:** Presented paper in *"**Modern methods in Organic Synthesis (MMOS)***" on entitled "Microflower-like' and 'Microspindle-like' morphology of bismuth oxide nanoparticles, and its antibacterial activity" organized by **Department of Chemistry RTM Nagpur University, Nagpur**. **[2] March 2017: :** Presented paper in SERB (DST) Sponsored National conferences ***"*Multifunctional Advance Material (NCMAM-2017)"** on entitled "Bismuth Oxide Nanoparticles: An efficient and Eco-friendly Catalyst for The One-pot Three component Synthesis of Imidazole Derivatives, and its antibacterial activity" organized by **Department of Kamla Nehru Mahavidhalaya, Nagpur**.
Web Link of Research Papers / Projects e.g. Research Gate, Google Scholar, Academia	https://scholar.google.co.in/citations?user=01Z8054AAAAJ&hl=en
Books Authored / Edited	Published "Test Book of Chemistry for B.Sc. Sem-IV"(Sai Jyoti Publication) (ISSN No. 978-93-91201-15-9) as per the new syllabus(2021-22) of RTM Nagpur University.

No of Conferences		Attended	Organised	
	National	20	-	
	International	08	-	
Research Guidance				
		PG	M.Phil.	Doctorate
	Awarded	30	-	-
	Undergoing	-	-	-
Awards & Distinctions				
Administrative Assignments Handled				
Association with Professional Bodies				