

Curriculum Vitae – Dr. Amit Kumar Yadav

Name: Dr. Amit Kumar Yadav

Date of Birth: 01-10-1991

Father's Name: Mr. Hari Pal Yadav

Mother's Name: Mrs. Gyana Devi

Occupation: Assistant Professor, Govt. College, Jayal (Nagaur)

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Academic Qualifications:

S.No.	Course	Institution	Board/University	Year of Passing	Percentage
1.	Secondary	TCA Sr. Secondary School, Surajgarh, Jhunjhunu	Board of Secondary Education, Rajasthan, Ajmer	2005	72.50
2.	Sr. Secondary	TCA Sr. Secondary School, Surajgarh, Jhunjhunu	Board of Secondary Education, Rajasthan, Ajmer	2007	71.85
3.	B.Sc.	L.B.S. Govt. College, Kotputli	University of Rajasthan, Jaipur	2010	80.51
4.	M.Sc.	University of Rajasthan, Jaipur	University of Rajasthan, Jaipur	2012	72.46
5.	Ph.D.	CSIR-National Chemical Laboratory, Pune (MH)	AcSIR, New Delhi	2018	-

Professional Experience:

Post Doctoral Fellow (10/2018-12/2020): Indian Institute of Science Education and Research (IISER) Bhopal, MP, India, Advisor – Prof. Nitin T. Patil

Service Detail:

I qualified the CSIR-JRF (All India Rank 49), held on Dec, 2011 and selected for the post of Assistant Professor in department of College Education, Government of Rajasthan by Rajasthan Public Service Commission. After selection I served above department as follows:

S.No.	Name of Institution	Date of Joining	Date of Reliving	Teaching Experience in U.G.	Teaching Experience in P.G.
1.	Govt. College, Jayal (Nagaur)	29.09.2022	Continue	1.5 Years	-

Detail of Research Work:

S.No.	Name of Institution	Title of Research work	Year
1.	CSIR-National Chemical Laboratory, Pune (MH)	Design and Synthesis of Peptidomimetics, Cellular Delivery Systems and Bioconjugates	2018
2.	Indian Institute of Science Education and Research (IISER) Bhopal, (MP)	Oxidative Gold-Catalysis	2020

Research Publications:

Total Publications: 10; Total Citations: 358; h-index: 6; i10-index: 6

1. Akash G. Tathe, Urvashi, **Amit K. Yadav**, Chetan C. Chintawar, Nitin T. Patil, Gold-Catalyzed 1,2-Aminoarylation of Alkenes with External Amines, *ACS Catal.*, **2021**, *11*, 4576.

2. Chetan C. Chintawar, **Amit K. Yadav**, Anil Kumar, Shashank P. Sancheti, Nitin T. Patil, Divergent Gold Catalysis: Unlocking Molecular Diversity through Catalyst Control, *Chem.Rev.*, **2021**, *121*, 8478.
3. **Amit K. Yadav**, Nitin T. Patil, Chloro[di(1-adamantyl)-2-dimethylaminophenylphosphine]gold(I) *Encyclopedia of Reagents for Organic Synthesis(EROS)*, **2020**.
4. Chetan C. Chintawar, **Amit K. Yadav**, Nitin T. Patil, Gold-Catalyzed 1,2- Diarylation of Alkenes. *Angew. Chem., Int. Ed.*, **2020**, *59*, 11808.
5. **Amit K. Yadav**, Harsha Chilukuri, Linthoinganbi Raj Kumari, Dr. Muthukumarasamy Karthikeyan, Moneesha Fernandes, *p*-Nitrophenylcarbonate : A new class of compounds for chemodosimetric colorimetric fluoride anion sensing detectable by the naked eye. *Chemistry Select*, **2019**, *4*, 1830.
6. **Amit K. Yadav**, Namit Dey, Sabyasachi Chatterjee, Munia Ganguli and Moneesha Fernandes, Dendrimeric Amide- and Carbamate-linked Lysine-based Efficient Molecular Transporters. *Org. Biomol. Chem.*, **2017**, *15*, 9579.
7. Manika Vij, Poornemaa Natarajan, **Amit K. Yadav**, Kiran M. Patil, Tanuja Pandey, Nidhi Gupta, Deenan Santhiya, Vaijayanti A. Kumar, Moneesha Fernandes, and Munia Ganguli, Efficient Cellular Entry of (r-x-r)-Type Carbamate–Plasmid DNA Complexes and Its Implication for Noninvasive Topical DNA Delivery to Skin. *Mol. Pharmaceutics*, **2016**, *13*, 1779.
8. Kiran M. Patil, Rangeetha J. Naik, Manika Vij, **Amit K. Yadav**, Vaijayanti A. Kumar, Munia Ganguli, Moneesha Fernandes, Second generation arginine-rich (R- X'-R)₄-type cell-penetrating α - ω - α -peptides with constrained, chiral ω -aminoacids (X') for enhanced cargo delivery into cells. *Bioorg. Med. Chem. Lett.*, **2014**, *24*, 4198.
9. Nidhi S. Saikhedkar, Rakesh S. Joshi, Ashiwini S. Bhoite, Radhika Mohandasani, **Amit K. Yadav**, Moneesha Fernandes, Kiran A. Kulkarni, Ashok P. Giri, Tripeptides derived from reactive centre loop of potato type II protease inhibitors preferentially inhibit midgut proteases of *Helicoverpa armigera*. *Insect Biochemistry and Molecular Biology*, **2018**, *95*, 17.

10. Nidhi S. Saikhedkar, Rakesh S. Joshi, **Amit K.Yadav**, Shubhendu Seal, Moneesha Fernandes, Ashok P. Giri, Phyto-inspired cyclic peptides derived from plant Pin-II type protease inhibitor reactive center loops for crop protection from insect pests. *Biochimica et Biophysica Acta (BBA) - General Subjects*, **2019**, 8, 1254.

Participation in Academic Courses and Training Programme:

Name of Course, Training Programme & Workshop	Date & Duration	Place	Organiser	Title of Course or Training & Workshop Presented or other Achievement
Faculty Induction Programme	14.11.2022-13.12.2022	University of Rajasthan, Jaipur	UGC-HRDC University of Rajasthan, Jaipur	Obtained Grade B

Participation in International Seminars / Conferences:

Name of Course, Training Programme & Workshop	Date & Duration	Place	Organiser	Title of Course or Training & Workshop Presented or other Achievement
Green Energy & Sustainable Environmental Practices (GESEP-2023)	30.01.2023-31.01.2023	Jaipur	University of Rajasthan, Jaipur	Paper Presented On Gold-Catalyzed 1,2-Diarylation of Alkenes