Detailed Bio data

- Name & full correspondence address: Dr. Vinita Assistant Professor, Department of Chemistry, Deen Dayal Upadhyaya Gorakhpur University Gorakhpur-273009
- 2. Email(s) and contact number(s) : <u>vinitavermabhu@gmail.com</u> vinita.chem@ddugu.ac.in Mob No. +918808988521
- 3. **Institution:** Department of Chemistry, DDU Gorakhpur University, Gorakhpur
- 4. **Date of Birth:** 01-01-1990
- 5. Gender: F
- 6. Whether differently abled: No

7. Academic Qualifications (Undergraduate Onwards):

S.No.	Degree	University	Year	Subjects	Percentage
1.	B.Sc.	Banaras Hindu University (BHU), Varanasi, UP, India	2011	Chemistry Hons	67.60% (first class)
2.	M.Sc.	Banaras Hindu University (BHU), Varanasi, UP, India	2013	Inorganic Chemistry	71.30% (first class)
3.	B.Ed	Banaras Hindu University (BHU), Varanasi, UP, India	2015	Life Sciences	82.90% (first class)
4.	Ph.D.	Indian Institute of Technology, BHU, Varanasi, UP, India	2019	Materials Chemistry	88.80% (Ph.D. Course Work) (first class)

8. Ph.D. thesis title, Guide Name, Institute/Organization/University, Year of Award:

Ph.D.: Materials Science

Thesis Title:

Synthesis of metal nanomaterials and coordination polymers for catalytic & sensing applications.

Thesis Supervisor: Prof. Rajiv Prakash

Institute/University: Indian Institute of Technology, BHU, Varanasi, India.

Date of Ph.D. Registration: 23rd July 2015

Date of Thesis Submission: 28th June 2019

Year of Award: 08th November 2019

9. Teaching experience (in chronological order)

S. No	Organization	Designation	From	То	Pay Scale
1.	Department of Chemistry, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur-273009	Assistant Professor	04-07-2018	Cont.	68900- 205500

10. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1.	GATE 2015	MHRD	2015
2.	CSIR-JRF 2015	CSIR	2015
3.	GATE 2016	MHRD	2016
4.	CSIR-JRF 2016	CSIR	2016
5.	Best Poster Award	NSC 45 Conference	2017
6.	Best Poster Award	IIT BHU	2018
7.	Runner-up Award for best research work	IIT BHU	2018
8.	Best Teacher Award	DDU Gorakhpur University	05/09/
			2022

11. Publications (List of SCI journals, in year wise descending order)

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	1			ý í		
S.No			Name of		_	
	Author(s)	Title	Journal	Volume	Page	Year
		Facile and sensitive				
		colorimetric assay of				
		choline based on				
	Vinita, Narsingh	AuNps@WS2-QDs				
	R. Nirala, Rajiv	as a peroxidase	Microchemic		10631	
1.	Prakash	mimetic.	al journal	167	2	2021
		Nanonetwork of				
	Vinita, Madhu	Coordination				
	Tiwari, Neha	Polymer AHMT-Ag				
	Agnihotri,	for the Effective				
	Monika Singh,	and Broad Spectrum				
	Akhilesh Kumar	Detection of				
	Singh,	6-Mercaptopurine in			1673	
2.	and Rajiv	Urine and	ACS		3-16	
	Prakash	Blood Serum	OMEGA	4	742	2019
		One step synthesis				
		of AuNPs@MoS2-				
		QDs composite as a				
		robust				
		peroxidase- mimetic				
		for instant unaided				
	Vinita, Narsingh	eye detection of	Sensors			
	R. Nirala, Rajiv	glucose in	and		109–	
3.	Prakash	serum, saliva and	Actuators B	263	119	2018

		tear				
4.	Vinita, Madhu Tiwari, Rajiv Prakash	Colorimetric detection of picric acid using silver nanoparticles modified with 4- amino-3-hydrazino- 5-mercapto-1,2,4- triazole	Applied Surface Science	Volume 449 doi.org/10. 1016/j.aps usc.2018.0 1.198	Page s 174- 180	15 August 2018,
5.	Vinita, Narsingh R. Nirala, Madhu Tiwari, Rajiv Prakash		Microchimic a Acta	185(4) : 245	1-10	2018
6.	Narsingh R. Nirala, Vinita, Rajiv Prakash	determination of choline in milk and serum based on the use of MoS2	Microchimic a Acta	185(4):224	1-8	2018
7.	Khandelwal, Brijesh Kumar, Vinita, Rajiv	One step electro- oxidative preparation of graphene quantum dots from wood charcoal as a peroxidase mimetic		173	36– 43	2017

12. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No.	Filed Date	Agency/ Country	Status
	A portable					
	biosensing					
	system and					
	method for					
	visual					
	detection of					
	glucose in	Rajiv Prakash,				
	biological	Narsingh R.	2018110103	March 21,		Granted(20
1	fluids.	Nirala, Vinita	52	2018	India	22)
	A portable	Rajiv Prakash,				
	Test kit for	Vinita,	2018110092	March 13,		Granted(20
2	detection of	Narsingh R.	39	2018	India	22)

glucose in	Nirala		
biological			
fluids and a			
method			
thereof.			

13.Books/ Reports/Chapters/General articles etc

Title of the	Title of	Name and Adress of publisher	Authers	ISBN	Year of
book	chapter	-	name	Number	publication
Environmental	Role of	Bharti Publications		978-93-	2020
aspect of	Coordination	4819/24, 3rd Floor, Mathur Lane	Vinita	89657-	
alternative	polymers in	Ansari Road, Darya Ganj, New Delhi-		43-2	
energy	fuel cell	110002 Phone: 011-23247537			
sources	application	Mobile : +91-989-989-7381			
		E-mail : bhartipublications@gmail.com			
		info@bharatipublications.com			
		Website : www.bhartipublications.com			
Versatile	Nanomaterials	Nova Science Publishers	Vinita	978-1-	2021
Solicitations	as Intrinsic			53619-	
of Material	Enzyme			763-1	
Science in	Mimetic				
Diverse	Catalysts				
Science					
Fields					
Emerging	Nanoemulsions:	Materials Research Foundations, Vol.	Preeti	<u>978-1-</u>	2023
nanomaterials	Preparation,	135, pp 200-225, 2023	Gupta,	<u>64490-</u>	
and their	Properties and	DOI:	Vinita,	<u>216-5</u>	
impact on	Applications	https://doi.org/10.21741/9781644902172-	S.S. Das		
society in the		9			
21st century					

14. Any other relevant information Seminar/ Conference Paper Presented:

- (i) National Seminar on Molecules to Materials for Sustainable development, Vinita, Department of Chemistry DDU Gorakhpur University, (25-26 March 2022)
- (ii) 2nd National Seminar on Applied Research organized by RESEARCH DEVELOPMENT CELL SHARDA UNIVERSITY on 28-30 December 2022
- (iii) Coordination Polymer for Catalysis and Sensing, Vinita, Oral Presentation in National Seminar on Applied Research held online at Research Development Cell, Sharda University, Greater Noida, UP, India on 21-22 October 2021.
- (iv) Functional Nanomaterials in Catalysis and Sensing Applications, Vinita, Oral Presentation in International Conference on Sustainable and Futuristic Materials (SFM-2021) at Department of Chemistry, Kamla Nehru Mahavidhyalaya, Nagpur on 29-30 November, 2021.
- (v) Deliverd Invited lecture on "Importance of Innovation in Medical Diagnosis

and Treatment." Organized by Department of Chemistry, K.N. Govt. P.G. College, Gyanpur, Bhadohi under DBT Star College Scheme on 31st March 2021.

- (vi) Oral presentation in the "International Conference on Futuristic Materials (ICFM-20)" organized by Department of Physics DDU Gorakhpur University India (Dec 18-20, 2020)
- (vii) Oral presentation in the "National Conference on Omics for Food, Health and Environment" (OFHE-2020) organized by Department of Biotechnology DDU Gorakhpur University India (Feb 14-15, 2020) on the topic "Nanomaterials acting as a peroxidase mimic in Biosensing.
- (viii) Oral presentation in the "National Conference on Smart And Sustainable Technology" (NCSMST-2019) organized by Department of Chemistry, DDU Gorakhpur University India (Feb 23-24, 2019) on the topic Nanomaterials acting as a peroxidase mimic for visual detection of glucose.
- (ix) Oral presentation in 4th International Conference on Electrochemistry organized by Rome, Italy (June 11-12, 2018) on topic Nanocrystalline scaffold of AMT-Ag for Electro-sensing of ciprofloxacin drug in biological fluid and pharmaceutical formulation.
- (x) Poster presentation in Institute day 2018 on Nanomaterials organized by Indian Institute of Technology, BHU, Varanasi.(2018)
- (xi) Poster presentation in International Conference on Emerging Trends in Chemical Sciences (ICETCS 2018) Conference organized by Department of Chemistry, Deen Dayal Upadhyay University, Gorakhpur, India (Feb 24-25, 2018)
- (xii) Oral presentation in the 4th international conference on Nanoscience and Nanotechnology (ICONN 2017) organized by SRM University India (Aug 9-11, 2017)
- (xiii) Poster presentation in 45th national seminar on crystallography (NSC 45) Conference organized by School of Materials Science and Technology, IIT, BHU, Varanasi, India (July 9-12, 2017)
- (xiv) Poster presentation in Institute day 2017 on Nanomaterials and Nanotechnology organized by Indian Institute of Technology, BHU, Varanasi, UP, India (Feb 25-26, 2017)
- (xv) Poster presentation in National conference on energy, environment and its impact on society (NCEEIS-2017) organized by Faculty of Science, K.N.G.P.G. College, Gyanpur, Bhadohi, UP, India (Jan 19-20, 2017)
- (xvi) Poster presentation on 4th international conference on advances in materials and materials processing (ICAMMP-IV) organized by department of metallurgical and Materials Engineering, IIT, Kharagpur (Nov 5-7, 2016).

Workshop/Seminar/Webinar attended:

- (1) Science Academics Lecture Workshop on Molecular Spectroscopy: Theory, Instrumentation and Application organized by department of Chemistry, Faculty of Science, Banaras Hindu University (2-3 March, 2012)
- (2) 15th CRSI National Symposium in Chemistry organized by department of chemistry, Faculty of Science, Banaras Hindu University, Varanasi, India (1-3 Feb, 2013)
- (3) 7th RSC-CRSI Symposium in chemistry organized by department of chemistry, Faculty of science, Banaras Hindu University, Varanasi, India (31 Jan, 2013)
- (4) Global Initiative for academic Networks organized by Indian Institute of

Technology, BHU, Varanasi, India (19-23 Dec, 2016)

- (5) Webinar on 'CONTRIBUTION OF INDIAN WOMEN SCIENTISTS IN CHEMISTRY 'Organized by Vigyan Bharti Malwa Prant, School of Studies in Chemistry & Biochemistry and Institute of Pharmacy, Vikram University, Ujjain, M. P., India (Oct 5, 2020)
- (6) Social, Cultural and Scientific Dimension of Nath Panth organization MYGSGSP, Gorakhpur at the occasion of 6th International Day of Yoga (June 21-22, 2020).
- (7) webinar "Leveraging Science and Technology to Combat COVID-19, May 23-24, 2020" organized by Faculty of Science, DDU Gorakhpur University, Gorakhpur via virtual-platform.
- (8) Workshop on Faculty Leadership Summit, 5-6 September, 2024 organized by Global strategy for society programs, American Chemical Society at DDU Gorakhpur University Gorakhpur.

Other administrative responsibilities

- (1) Member of IQAC of DDUGU, Gorakhpur since October 2019.
- (2) Assistant Dean of Students Welfare (ADSW) of DDUGU, Gorakhpur since September 2018.

Membership of proffessional bodies

(1) Life membership of The indian Science Congress Association, kolkata (Membership number L39594)

Place & date:

Name & Signature of the investigator

Dr. Vinita Assistant Professor, Department of Chemistry Deen Dayal Upadhyaya Gorakhpur University Gorakhpur, UP – 273009, India.

Gorakhpur, India Dec 2024