

## **CURRICULUM VITAE**

**Name** : **Dr. Manisha Singhal**  
**Designation** : Asst. Professor  
**Subject** : Chemistry  
**Academic Qualifications** : M.Sc., NET, Ph.D.  
**Areas of interest/Specialization** : Organic Chemistry  
**Date of Birth** : 12.07.1976  
**Date of Joining** : 22.01.2009



### **Experience:**

- ☞ Worked as PGT in St. Don Bosco College (1999-2000) Lakhimpur Kheri (UP)
- ☞ Coaching to IIT Aspirants From 2000-2002.
- ☞ Worked on "Manday" in NAS PG College Meerut from 2002-2004
- ☞ Worked as Senior Faculty in Aakash Institute for NEET aspirants in South Extension New Delhi in year 2004.
- ☞ Coaching to IIT & NEET Aspirants From 2005-2007.
- ☞ Visiting faculty for NEET aspirants IN OES Pvt. Ltd., Noida (2005-2007)
- ☞ Worked as Senior Faculty in Brilliant Tutorials for IIT-JEE aspirants in Mayur Vihar, New Delhi from July 2007 to Dec. 2008
- ☞ Asst. Professor in R.G. (P.G.) College, Meerut –from Jan 2009--till date( More than 14 years)

Total work ex-More than 24 years.

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### **Areas of Research:**

- ☞ (Research area is synthesis of Heterocyclic compounds and study of their Antibacterial and antifungal properties)

### **Digital Profile, if any (Research Gate, LinkedIn, SSRN, Twitter, YouTube etc):**

- ☞ Research Gate

### Research Papers published:-

S. No.	Title of the paper published (with Page no.)	Research Journal (with Vol. No.)	Year	ISSN	Whether peer reviewed, UGC listed, Impact Factor if any	Digital link if any
1.	"Pharmacological Importance and Synthesis of Chromone and its derivatives: A short review" P.No.:323-340	International journal of research and analytical reviews (IJRAR) in volume -9 issue 4	October 2022	E-2348-1269 P-ISSN-2349-5138	Peer reviewed, Refereed journal. 7.17 on Google scholar	<a href="https://ijrar.org/track.php?r_id=272427">https://ijrar.org/track.php?r_id=272427</a>
2.	Synthesis and Spectral Studies of 2-(4-Hydroxyphenyl)-1,2-Dihydro-4H-Benzo[d][1,3]Oxazin-4-One P.No.-85-88	Periodic Research	VOL.-9, ISSUE-2 November -2020	P: ISSN No. 2231-0045 E: ISSN No. 2349-9435	Double blind peer reviewed	<a href="https://www.researchgate.net/publication/349967129_Synthesis_and_Spectral_Studies_of_2-(4-Hydroxyphenyl)-12-Dihydro-4H-Benzod13Oxazin-4-One_Manisha_Singhal">https://www.researchgate.net/publication/349967129_Synthesis_and_Spectral_Studies_of_2-(4-Hydroxyphenyl)-12-Dihydro-4H-Benzod13Oxazin-4-One_Manisha_Singhal</a>
3.	"Synthesis and Medicinal Importance of Benzoxazine, Benzoxazinone and Their Derivatives: A Short Review", 13-28.	<i>Advances in Environment Engineering and Management, Springer Proceedings in Earth and Environmental Sciences,</i>	2021	ISSN 2524-342X ISSN 2524-3438 (electronic) Springer Proceedings in Earth and Environmental Sciences ISBN 978-3-030-79064-6 ISBN 978-3-030-79065-3 (eBook)	Scopus Indexed	<a href="https://www.researchgate.net/publication/354361110_Synthesis_and_Medicinal_Importance_of_Benzoxazine_Benzoxazinone_and_Their_Derivatives_A_Short_Review">https://www.researchgate.net/publication/354361110_Synthesis_and_Medicinal_Importance_of_Benzoxazine_Benzoxazinone_and_Their_Derivatives_A_Short_Review</a>
4.	Ionic liquids:A revolution in green chemistry Pp 68-72	ISST Journal of Applied chemistry Volume 9 no.1	January-June 2018	0976-7355	Journal no.48716 in UGC approved list of journals	<a href="https://www.researchgate.net/publication/327233755_Ionic_Liquids_A_Revolution_in_Green_Chemistry">https://www.researchgate.net/publication/327233755_Ionic_Liquids_A_Revolution_in_Green_Chemistry</a>
5.	A review on few anti-inflammatory agents of herbal origin p.p.57-66	Acta cienica indica Vol XLIIC.No.1	2017	0253-7338		
6.	Dimethyl sulphoxide: A promising compound for pharmacological and molecular utilization p.p.11-16	Acta cienica indica Vol XLIIC.No.1	2017	0253-7338		

### Articles in Books/ Conference Proceedings Published:

S. No.	Title of the Article Published with page no.	Title of the Book/Conference Proceedings	Year	ISBN	Detail of the Publisher	Published by International/national /Local Publishers
1.	"Water Pollution"	"Green initiatives and sustainable development".	2020	978-81-942503-2-6,	Learning media publications.	National
2.	"Sustainable Development : A Goal less Achieved & Miles to Go".	"Innovations in Science and Technology"	2020	978-93-87367-67-8;	Swastik Publications;	National
3.	"GC-MS: A Powerful Tool to Scientists"	"Recent Development in Science and Technology",	2017,	ISBN: 978-93-80966-90-8;	Sunrise Publications	National

### Research Projects:

S.No.	Title	Type	Funding Agency	Amount	Time-Period
1.	Synthesis, characterization and antibacterial and anti-inflammatory studies of some 2,5-di(substituted phenyl)-7-(p-aryl)pyrido[3',2',5,6]-4H-1,2-dihydro-3,1-oxazin-4-ones	Minor	UGC	2,60,000/-	2015 Not received money

### Faculty Enrichment Programme Attended:

S. No.	Detail of the FDP/FEP	Date(s) of the event	Organizer & Sponsor
1.	online FDP on the topic Moocs and E-Content Development	29.04.2023-05.05.2023	R.G.P.G. College and GAD-TLC
2.	offline FDP on the topic Propagation and uses of medicinal herbs and Bio composting	14.11.2022-18.11.2022.	Botany Dept., R. G. P. G. College, Meerut
3.	Online FDP on the topic Education in 21 <sup>st</sup> century: Implementing NEP 2020 for Quality Education in HEI	09.08.2022-16.08.2022.	Thakur College Mumbai and GAD-TLC
4.	Online FDP on Strengthening Academic And research Pursuit in 21 <sup>st</sup> century	28.06.2021-04.07.2021	Sharda University And GAD-TLC
5.	Online Workshop on Design, Development Delivery of e-content and online assessment	20.07.2020-25.07.2020	Institute for Development and communication, Chandigarh
6.	Online FDP on How to prepare E content	12.07.2020-18.07.2020	R. G. P. G. College, Meerut
7.	National webinar series on digital content creation for social media	06.07.2020-11.07.2020	Bombay Teacher's training college And Thadomal Shahani Engineering college
8.	Faculty development programme(online) Faculty development programme(online)	01.06.2020-07.06.2020	Auxillium college in association with VIT-AP
9.	Faculty development programme(online) How to improve quqlity in H.E.Is	29.05.2020 to 03.06.2020	Jain Kanya Pathshala (P.G.)College, Muzaffarnagar

10.	Faculty development programme(online) Art of writing research articles and funding proposals	21.05.2020 to 23.05.2020	Manakula Vinayagar Institute of technology, puducherry
11.	Workshop Research Methodology and Environment sustainable Development	27.12.2019-02.01.2020	Meerut College, Meerut
12.	Faculty recharge course Research Methodology for Science and social science	10.06.2017 to 30.06.2017	Meerut College, Meerut
13.	National workshop Research Methodology for Science and social science	12.06.2016 to 18.06.2016	Meerut College, Meerut
14.	Refresher course Chemistry	10.10.2014 to 01.11.2014	Jamia Millia Islamia, new Delhi
15.	Orientation Programme Interdisciplinary	18.10.2010 to 16.11.2010	Jamia Millia Islamia, new Delhi

### Seminar/ Workshop/ Conference/ Exhibitions/Webinars Organised:

S.No	Detail of the Conference/ Seminar/Exhibitions (including Sponsor)	Date(s) of the event	Venue of the event	International/ National/ State/ University	Role
1.	Online Webinar on Mission Shakti Under Mission Shakti program run by Government of Uttar Pradesh	24.10.2020	R.G. P.G. College, Meerut	National	Convener
2.	Online Webinar on NEP:2020 Creating awareness about NEP 2020	25.09.2020	R.G. P.G. College, Meerut	National	Organizing Secretary
3.	One day seminar on water conservation with Padam Bhushan Dr. Anil Joshi ji	22.03.2021	R.G. P.G. College, Meerut	National	Convener

### Invited lectures/ Resource person/ Paper Presented in Conferences/ Seminar/ Workshops:

S. No.	Title of the paper/ Article Presented	Title of the Conference/ Seminar	Date & Place	Organised & Sponsored By	Whether College/ University/ Regional/ State/ National/ International
1.	"Eco friendly technologies: Way forward for a sustainable world"	"Green Technology: Issues and Challenges"	(22.09.2022-24.09.2022	Chemistry department, CCSU, Meerut	international conference
2.	"Chromones: A Medicinal Scaffold"	Medicinal plants and herbal immune boosters in covid-19 pandemic and beyond: current scenario & future prospects	09.04. 2021	Raghunath Girls Post Graduate College, Meerut.	National Seminar
3.	Synthesis and medicinal importance of "Benzoxazine, Benzoxazinone and their derivatives: A short review" in SMTST 2020,.	Sustainable Management of environment & natural resource through innovation in science and technology(SMTST 2020)	August, 7-8 2020,	UPES Dehradun	National conference
4.	Online Education: A substitute for education in global pandemic of covid 19	Higher education in the era of global pandemic(aspects, challenges and prospects	16-17th may2020	NAS (PG)college, Meerut	International webinar
5.	Microalgae based biofuels for sustainable development.	Replacement of petrochemicals by bio-based chemicals for safe environment	18th February 2020 Chaudhary Chhotu Ram	organised by department of chemistry Chhotu Ram PG College	National conference

			PG College Muzaffarnagar,	Muzaffarnagar, sponsored by department of higher education government of Uttar Pradesh	
6.	Qualitative assessment of inorganic contaminants in drinking water.	water footprints	31st January 2020 Sanjay Gandhi PG college sarurpur khurd Meerut	organised by Sanjay Gandhi PG college sarurpur khurd Meerut,sponsored by Uttar Pradesh higher education department	National
7.	Synthesis and medicinal importance of Benzoxazine,Benzoxazinone and their derivatives: A short review.		12 to 14 December 2019, at Amity University Noida	organised by Indian society of analytical scientists Delhi chapter and federation of Indian chambers of commerce and industry	International
8.	Anti-inflammatory effects of phenolic compounds of plant origin: a short review.	Herbal therapy: present scenario and future prospects,	19 September 2019 RGPG College Meerut	Organised by Department of Botany R.G. P.G. College Meerut	National
9.	Renewable energy sources: A step towards sustainability.	Global environmental challenges human health and sustainable development	11th to 13th January 2019 JNU, Delhi	organised by environment and social development association Delhi in association with centre for the study of regional development JNU New Delhi	International
10.	.Ionic liquid: A revolution in green chemistry	Green chemistry and sustainable development	25th February 2018 Meerut College Meerut	sponsored by UGC organised by department of chemistry Meerut College Meerut and ARIDSS Meerut	National
11.	Green chemistry: A green technology	Innovative techniques in scientific research and skill development	28th and 29th January 2018  Meerut College Meerut	organised by department of chemistry Meerut College Meerut	National
12.	"chalcone: synthesis and its impact as medicine"	Latest achievements in physical sciences and life sciences	18 <sup>th</sup> & 19 <sup>th</sup> march 2017 Department of chemistry, Meerut college	Sponsored by Indian national Science Academy, New Delhi. Organized by Department of chemistry, Meerut college	National
13.	Biodiesel and advanced biofuel .	green chemistry for sustainable future	25th February 2017 Chaudhary Chhotu Ram PG College Muzaffarnagar	sponsored by department of higher education government of Uttar Pradesh organised by department of chemistry Chaudhary Chhotu Ram PG College Muzaffarnagar	National
14.	Role of GIS in risk assessment of forest fire.	overview of geo-informatics and its applications	23rd February 2017 RGPG College Meerut	organised by department of geography rgpg College Meerut	National
15.	GC-MS: A powerful tool to scientist .	recent development in science and technology	19th February 2017  Meerut College Meerut	sponsored by advanced research institute for development of social science New Delhi e organised by department of chemistry Meerut College Meerut	National
16.	Climate change and global	climate change and biodiversity	21st December	organised by botany	International

	threat on in seminar on	conservation	2016 RGPG College Meerut	academic and cultural society department of botany RGPG College Meerut	
17.	Smog: cause of environment pollution .	water conservation climate change and organic farming	28th November 2016  RGPG College Meerut	organised by department of geography RGPG college and samaj Vikas Sansthan Meerut	National
18.	Pesticides :impact on environment and analysis on in conference on	science and technology for national development	20 to 22 November 2016  Gurukul kangri Vishwavidyalay a Haridwar	organised by Indian science Congress association Haridwar chapter and department of chemistry Gurukul kangri Vishwavidyalaya Haridwar	National
19.	Why herbal therapeutic agents against inflammation on in conference on	global initiatives in applied sciences and green technologies	9th to 11th September 2016  SRM University Delhi NCR campus Modinagar Ghaziabad	organised by scientific educational research society and SRM University Delhi NCR campus Modinagar Ghaziabad	International
20.	Chloride ions: A dreadful accident leading to floor chlorosis	sustainable chemical and material sciences	5th to 6th August 2016  SS Jain Subodh PG College Jaipur	sponsored by UGC DST DRDO and brns held at SS Jain Subodh PG College Jaipur	National
21.	ozone layer depletion affecting future lives on in seminar on is	environmental issues and challenges in present scenario	13th and 14th March 2016  Sanjay Gandhi PG college sarurpur khurd Meerut	sponsored by environment and social research organisation New Delhi organised by department of education Sanjay Gandhi PG college sarurpur khurd Meerut	National
22.	synthesis of 2,5-di ( meta chlorophenyl)- 7 (para methoxy phenyl) pyrido [ 3,2-5, 6]-4H-1,2- dihydro- 3,1- oxazin -4- one	future perspectives of science and technology in society andgovernance	29 to 30 November 2014  SSV college Hapur	organised by department of chemistry physics and mathematics SSV college Hapur and sponsored by UGC	National
23.	Sustainable environment	rural health and environment development and change	25th and 26th November 2010  RGPG College Meerut	sponsored by ICS SR ministry of HRD Government of India New Delhi organised by department of sociology rgpg College Meerut	National
24.	Adaptation in human response to global warming	global warming global warning	27th November 2009  RGPG College Meerut	organised by department of botany rgpg College Meerut sponsored by UGC under CPC	National
25.	Society and Media	Society and Media	20 august 2009	organised by department of sociology rgpg College Meerut	National

**Book Published :**

S.No.	Name of Book published	Month and Year	Role
1.	"Chemical Dynamics and Coordination Chemistry" for B.Sc. second year Semester 3 as per NEP 2020	September 2022.	co-author

**Extension activities: -**

S. No.	Name of the activity	Types of Participation	Whether School/ other Colleges/ University/ Regional/ State/ National/ International	Date	Collaboration (If Any)
1.	Science exhibition organised by R. G. Inter College, Meerut .	Judge	Mandal level	18.10.2022	State science Education institution Prayagraj
2.	Science exhibition organised by Khalsa Inter College, Meerut ()	Judge	District level for schools	27.09.2022-28.09.2022	State science Education institution Prayagraj
3.	47th State level Jawaharlal Nehru Science, Maths, Environment Exhibition	Judge	For schools at state level	17.12.2019 to 20.12.2019	
4.	Visit to Swami Vivekanand Kushth Aasharam, Meerut Under national two week (30th January to 13th February 2018) leprosy awareness programme	Member of leprosy awareness programme organizing committee	College level	07.02.2018	
5.	Seven days NSS special camp	Invited Speaker	College level	01.02.2018	
6.	District Inspire Science Exhibition	Judge	for schools at District level	22.08.2016	
7.	Three week Special winter school organized by UGC-HRDC, Jamia millia Islamia, New Delhi from 8th to 30th December, 2015	Chair person	University level	29.12.2015	
8.	District science Exhibition	Judge	for schools at District level	30.10.2015	
9.	District Inspire Science Exhibition 2015	Judge	for schools at District level	05.08.2015	

Organized Plantation Drives at village as well as college, Various rallies to Sports university Saradhna, Meerut, Rally to Hastinapur for International yoga day, March past of NSS volunteers on republic day, election motivational activities under SVEEP etc.

**Administrative Experience:-**

1. Incharge of chemistry department Since 01.02.2014
2. Coordinator M.Sc. Chemistry (Self-finance) Since 01.02.2014
3. Admission incharge B.Sc. Science 2017-18, 2018-19, 2019-20
4. Admission incharge M.Sc. Chemistry (Self-finance) Since 2014
5. Incharge Cleanliness committee Science block 2019-2020
6. Program officer NSS Unit 1 Since 2020
7. Nodal Officer Transport and road safety committee Since 2022.

**Future plans:**

1. To provide new horizons to my research work.
2. Work towards Writing
3. To Explore new Perspective in life related to Social service.