

## Bio Data

**Dr. UMA N. THAKUR**  
**M. Sc., M.Phil., Ph. D., NET, SET, GATE**  
**Assistant Professor**  
**Department of Botany**  
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Diploma/ Degree	Year	Board /University	Subject (s)
X	2001	Himachal Pradesh Board of School Education	English, Sanskrit, Science, Social Sciences, Mathematics
XII	2003	Himachal Pradesh Board of School Education	English, Physics, Chemistry, Biology, IT
B. Sc.	2006	Himachal Pradesh University, Shimla	Botany, Chemistry, Zoology
M. Sc.	2008	Rashtrasant Tukadoji Maharaj Nagpur University	Botany
M. Phil.	2010	Rashtrasant Tukadoji Maharaj Nagpur University	Botany
NET	2013	UGC-CSIR	Life Sciences
SET	2013		Life Sciences
GATE	2010	IIT Guwahati	Life Sciences
Ph. D.	2014	Rashtrasant Tukadoji Maharaj Nagpur University	<i>Ex- Situ</i> Conservation of Orchids

### Additional Qualifications:

Qualified IISc Bengaluru, JNU Delhi, TIFR, Mumbai for Ph. D.  
PET from Rashtrasant Tukadoji Maharaj Nagpur University

**Research Experience : 08 Years**

**Teaching Experience – Total 06 Years**

**Projects/ Dissertation:** M.Sc. - Survey of plant Diseases.  
M. Phil. - *Ex Situ* Conservation of some Orchids.

- **Received Best Paper Award** at National Conference on Recent Trends in Biosciences. 27-28<sup>th</sup> July, 2012 at GS College, Khamgaon.
- Attended Workshop on **Genes to Genomes: Bioinformatics Approaches (G2G)** at University of Pune during 12-15 December, 2011.
- Received R. S. Rao award for **Best Paper in Biodiversity Conservation** at XXIII Annual Conference of Indian Association of Angiosperm Taxonomy and National Seminar on “Recent Advances in Plant Taxonomy Research”, on 27 to 29 December 2013, at Department of Botany, R.T.M. Nagpur University, Nagpur.

## Research Publications – Published: 11

- **Uma Thakur** and Nitin Dongarwar. 2012. Artificial Pollination and *in vitro* Asymbiotic seed germination in garden orchid *Spathoglottis plicata* Blume (Orchidaceae). Recent Research in Science & Technology. 2(2): 13-18.
- **Uma Thakur**, Mrunal Kale and Nitin Dongarwar. 2012. Artificial pollination in Two Species of *Vanda* (Orchidaceae) and Its Role in Conservation. Journal of Science Information Spl. Issue 3: 132-138
- Nitin Dongarwar, **Uma Thakur**, Ashwajit Fulzele, Nitin Labhane. 2012. Diversity of Wetland Plants from Umrer Tahsil of Nagpur District – A Preliminary Study. Journal of Science Information Spl. Issue 3A: 132-137
- **Uma Thakur**, Mrunal Kale, Ashwajit Fulzele and Nitin Dongarwar. 2012. Artificial Pollination in *Dendrobium barbatulum* Lindl. (Orchidaceae). Proc. Recent Trends in Biosciences. 43-47 ISBN:978-81-922866-1-7
- Nitin Dongarwar, **Uma Thakur**, Shivani Dongarwar and Mohan Wadekar. 2012. Ethnomedicines Among Some Tribes of Nandurbar District of M.S. (India). *Life sciences Leaflets* 4:48-53, 2012. ISSN 2277-4297(Print) 0976–1098(Online).
- **Uma Thakur**, Nitin Dongarwar. 2013. A new report of *in vitro* flowering and multiple shooting in a wild epiphytic orchid *Oberonia recurva* Lindl. from asymbiotically germinated seedlings (Accepted for publication in Plant Knowledge Journal, Australia. 2(3): 113-118. ISSN 2200-5390.
- Nitin Dongarwar, **Uma Thakur**. 2014. Artificial Pollination and its Role in Orchid Conservation. Prof. A. D. Choudhary Commemoration Volume : A Glimpse of Current Vistas in Plant Science Research. Eds. K. H. Makde and S. E. Pawar. HCPC, Nagpur. 123-140. ISBN : 978-81-910409-6-8.
- Rinkey Pallavi, **Thakur Uma**, Dongarwar Nitin. 2014. Post-harvest fungal diseases of fruits and vegetables in Nagpur. Int. J. of Life Sciences, Special Issue A2 | October 56-58. ISSN: 2320-7817 eISSN: 2320-964X
- **Uma Thakur** , Nitin Dongarwar 2017, Asymbiotic seed germination, seedling development and tuberization of *Peristylus lawii* wight (orchidaceae), a rare terrestrial orchid. Hislopia Journal 10 (1). 59-72.
- **Uma Thakur** , Nitin Dongarwar 2019. Foliar epidermal studies of some species of family Euphorbiaceae. Hislopia Journal. 10(1) 43-51.

- **Uma Thakur** , Nitin Dongarwar 2019, Species specific pollination and seed germination in *Rhynchostylis retusa* Blume (Orchidaceae). RJLBPCS. 5(2), 387-395.

### Conferences Attended

- National Conference on “Biodiversity , Conservation & Sustainable Development on 7<sup>th</sup> to 9<sup>th</sup> January 2008 held at Department of Botany , Rashtrasant Tukadoji Maharaj Nagpur University Nagpur.
- One Day Seminar on “Recent Trends in Life Sciences” organized by PGTD of Botany RTM Nagpur Uni. Nagpur on 14<sup>th</sup> August ,2008.
- Participated in “Women Entrepreneurship Development Programme : Challenges & Opportunities” organized by the National Research Development Corporation , New Delhi in coordination with Center For Women studies & Development, RTM Nagpur University , on Monday 16<sup>th</sup> March , 2009 at Nagpur.
- National Conference on Current Scenario on Global Challenges in Germplasm Conservation and Biodiversity. 7<sup>th</sup> -8<sup>th</sup> July, 2010 held at Department of Botany, Rashtrasant Tukadoji Maharaj Nagpur University Nagpur.
- XI International Conference of International Organization of Plant Systematists. 2<sup>nd</sup> – 4<sup>th</sup> September, 2010 at Dr Babasaheb Ambedkar Marathwada University, Aurangabad.
- XXXIII Conference of IBS and International Symposium on New Horizons in Botany. 10<sup>th</sup> – 12<sup>th</sup> November, 2010 at Shivaji University, Kolhapur.
- National Seminar on Forests For People. 28<sup>th</sup>-29<sup>th</sup> December, 2011 at Department of Botany , Rashtrasant Tukadoji Maharaj Nagpur University Nagpur.
- National Conference on Recent Trends in Biosciences. 27-28<sup>th</sup> July, 2012 at GS College, Khamgaon.
- International Symposium and XII IAAT Conference. 28<sup>th</sup>-30<sup>th</sup> October, 2012 at Sant Gadge Baba Amravati University, Amravati.
- Two Day Science Symposium on “Science For Shaping The future of India”. 6<sup>th</sup>- 7<sup>th</sup> November, 2012 at Rashtrasant Tukadoji Maharaj Nagpur University Nagpur.
- Attended Workshop on Some Plants Based Techniques for Entrepreneurship and Self Employment on 14<sup>th</sup> March, 2013 Organized by Technology Park, Rashtrasant Tukadoji Maharaj Nagpur University Nagpur.

- Workshop on Some Plant Based Techniques for Entrepreneurship and Self Employment, 14<sup>th</sup> March, 2013, Organized by Department of Botany, RTMNU Nagpur.
- XXIII Annual Conference of IAAT and National Seminar on Recent Advances in Plant Taxonomy Research. 27<sup>th</sup>-29<sup>th</sup> December, 2013 Organized by Department of Botany, RTMNU Nagpur.
- National Conference on Biodiversity Conservation & Role Of Microbes In Sustainable Environment Management. 18 October 2014, Nagpur
- National Seminar on Modern Tools and Techniques in Plant Sciences organized by Shri Mathuradas Mohota College of Science, Nagpur. 14<sup>th</sup> March, 2015
- National Conference on Plant Diversity: Past and Present Organized by Department of Botany SGBAU on 30<sup>th</sup> and 31<sup>st</sup> Dec 2016.
- Vidarbha Young Scholar Conference on 29 -30 March 2019, organized by IQAC and Technology Park RTMNU.

#### **Orientation/Refresher / Faculty Development Programme**

Name of the Course/ Summer School	Place	Duration Date		Organizing / Sponsoring Agency
		From	To	
Two Weeks Faculty Development Programme on “Managing online classes and co-creating Moocs”	Online	18/05/2020	03/06/2020	MHRDC, Pandit Madan Mohan Malviya National Mission on teacher and Teaching, Teaching learning centre, Ramanujan College, University of Delhi
One Weeks Faculty Development Programme on “Open source tools for research.”	Online	08/06/2020	14/06/2020	MHRDC, Pandit Madan Mohan Malviya National Mission on teacher and Teaching, Teaching learning centre, Ramanujan College, University of Delhi
Two Weeks Faculty Development	Online	02/07/2020	17/07/2020	MHRDC, Pandit Madan Mohan Malviya National

Programme on “Advanced concept for developing Moocs.”				Mission on teacher and Teaching, Teaching learning centre, Ramanujan College, University of Delhi
Two Weeks Faculty Development Programme on “Research methodology.”	Online	1/10/2020	15/10/2020	MHRDC, Pandit Madan Mohan Malviya National Mission on teacher and Teaching, Teaching learning centre, Ramanujan College, University of Delhi
One Weeks Faculty Development Programme on “Development and implementation of Moocs.”	Online	21/10/2020	27/10/2020	MHRDC, Pandit Madan Mohan Malviya National Mission on teacher and Teaching, Teaching learning centre, Ramanujan College, University of Delhi
15 Day National Level Faculty Development Programme on “Tools and Techniques in Applied Bioinformatics”	Online	19/07/2021	02/08/2021	New College Chennai