

TEACHER PROFILE

Dr. Nayana S. Shirbhate

Vice Principal

Assistant Professor & Head

Department of Botany

Vidya Vikas Arts, Commerce & Science College,

Samudrapur Dist- Wardha 442305



GENERAL

INFORMATION

Name	: Dr. Nayana Sudhakar Shirbhate
Designation	: Vice-Principal, Assistant Professor and Head
Qualification	: M.Sc., NET, Ph.D.
Department	: Botany
Area of Specialization	: Advanced Plant Physiology and Biochemistry
Date of Appointment	: 16 September 2010
Courses Taught	: B.Sc. and M.Sc.
Teaching Experience	: 11 years 2 months
Research Experience	: 5 Years
Ph. D. Award	: Awarded in 2014
Title of Ph.D. Thesis	: “Phytoremediation studies of Heavy Metal ions and Contaminants from Municipal waste dump soil of Amravati region.”
Grant Innovation of Patent:	“Synthesis of Green Exciting Eu ²⁺ Activated Far Red Color Emitting CaMg ₂ (SO ₄) ₃ Phosphor for Plant Cultivation.” Patent Office Common wealth of Australia. Patent No. 2021103790 (2021).



REFRESHER

AND ORIENTATION COURSES ATTENDED

1. Participated in the Refresher Course in Life Sciences (Botany) from 20/02/2013 to 12/03/2013 and obtained 'A' grade. University Grant Commission, Academic Staff College, RTM, Nagpur University, Nagpur.
2. Participated in the 89th Orientation Course From 28/01/2015 to 24/02/2015 and obtained A grade in University Grant Commission, Academic staff college, RTM, Nagpur University, Nagpur.
3. Participated in the Refresher Course In Life Sciences (Botany) From 17.09.2018 to 7.10.2018 and obtained A grade. University Grant Commission, Academic Staff College, RTM, Nagpur University, Nagpur.
4. Completed Faculty Development Programme on Managing online classes and co-creating MOOCS: 2.0 from 18.05.2020 to 3.06.2020 sponsored by M.H.R.D. P.M.M.M. National Mission of Teachers and Teaching. Teaching learning Center Ramanujan College, University of Delhi.
5. Participate in online "Skill Development Workshop" organized by UGC-Human Resource Development Center, R.T.M.N.U., Nagpur on dated 13th to 17th July, 2020.



NUMBER OF

PUBLICATION

- Paper Published in Conference : - 4
- Paper Published in National Journal : - 6
- Paper Published in International Journal : - 12
- Presented Papers/Abstracts: In More than 35 International and National Conferences



CONTRIBUTION IN UNIVERSITY EXAMINATION

Conduct practical examination of Botany as a internal and External in different colleges affiliated to R.T.M.N.U., Nagpur.

2. **Examiner for assessment of the Answer books:** Assessment of answer sheet of Botany at spot valuation center: R.T.M. Nagpur University, Nagpur.

3. **Paper setter and Examiner:** Paper setting of B.Sc. summer and winter examination R.T.M. Nagpur University, Nagpur.

4. Paper Setter and Examiner: Paper setting of B. Sc Semester VI paper I online MCQS based Examination of University during Lockdown Covid 19 .



BOOK

PUBLISHED: 2

+ Shirbhate N., Sokuwar S. R. and Khapekar R. R. (2013-14). “A Text book of Botany (Biochemistry and Plant Physiology I)”. Central techno Publication, Nagpur.

+ Shirbhate Nayana S. (2019). “Advanced Plant Physiology”. Swastik Publication, New Delhi.



PARTICIPATE

IN CORPORATE LIFE

- Vice- Principal of Vidya Vikas Arts, Commerce & Sci. College, Samudrapur from Year 2020-21.
- Head of the Botany Department, Vidya Vikas Arts, Commerce & Sci. College, Samudrapur from Year 2010 to uptill .
- Teacher Representative of Vidya Vikas Arts, Com. & Sci. College, Samudrapur Management Committee 2011 to uptill.
- Member of editorial board of Journal Vidyashree (Interdisciplinary Research journal in Marathi, Hindi and English).
- Head of Steering Committee of NAAC.
- Appointed as a Co-ordinator of Y.C.M.O.U. Nashik Study Center Vida Vikas college, Samudrapur 4533-A from session 2021-22.



PROFESSIONAL DEVELOPEMENT

- Member of Mahila Adhyayan Committee from 2011 to 2017.
- Actively work in NSS Camp in 2010 to 2020.



EXTENSION

WORK OF COMMUNITY SERVICE

- Member of social services organization Y.W.C.O., Amravati.
- Member of Graduate Intelligent association and president of association in Wardha District.



CONTRIBUTION TO ICT {ONLINE TEACHING}

- Motivational lecture for student on “Awareness of Corona Virus during lockdown” and published on You tube on 9 May 2020 link <https://youtu.be/BvM3iqReHk>.
- Lecture on “Plant Growth Regulator or Plant Harmones” published on You tube on 28 April 2020 link https://youtu.be/gSJP7eIh_SU
- Lecture on “Carbohydrate Metabolism” published on You tube on 1 May 2020 link <https://youtu.be/F-GsASgJOCM>
- Lecture on” Concept of Growth” For UG and PG students published on You tube on 25 May 2020 link <https://youtu.be/Zu1UNvMU0II>
- Lecture on” Phytochromes” For UG and PG students published on You tube on 25 May 2020 link <https://youtu.be/1OpFJCw7Brg>



AWARDS

RECEIVED: -

- **Dr. N.S. Shirbhate (2021).** Awarded with Dr. APJ Abdul Kalam Life Time Achievement Award for remarkable achievement in the field of Teaching, Reasearch and Publication. National Institute for Socio Economic Development, Banglore.
- **Dr. N.S. Shirbhate (2021).** Awarded with Young Faculty 2021, Contribution towards Education Skill Development and Research on 17th- 19th April, 2021. Awarded Center for Education Growth and Research (CEGR), New Delhi, during 7th Higher Education Summit cum 14th Rashtriya Shiksha Gaurav Puraskar Ceremony 2021.