



Name : **MRUNAL CHANDRAKANT KALE**

Date of Birth: **24-07-1970**

Unique ID (Adhar No.): **969060565652**

Educational Qualifications:

| Sr no | Examination | Name of the Board/University | Year of Passing | Division/ Class/ Grade | Subject/s |
|-------|-------------------------------------|---------------------------------|-----------------|------------------------|---|
| 01 | Secondary School Certificate | Nagpur Divisional Board, Nagpur | 1986 | I | Languages, Social Science, Maths, Science |
| 02 | Higher Secondary School Certificate | Nagpur Divisional Board, Nagpur | 1988 | I | Languages, Science, Fishery |
| 03 | Bachelor of Science | RTM, Nagpur University, Nagpur | 1991 | I | Botany, Chemistry, Zoology |
| 04 | Master of Science | RTM, Nagpur University, Nagpur | 1993 | I | Botany |
| 05 | SET Qualified | SPU University of Pune | 1994 | - | Botany |
| 06 | GATE Qualified | IIT Kharagpur | 1994 | - | Life Sciences |

Work Experience:**Teaching:**

PG Classes (in Years) :11
UG Classes (in Years) :27

| Post/Designation | Name of Employer | Date of | | Pay Scale/ Pay Band & AGP |
|---------------------|---|-------------|---------------|---------------------------------|
| | | Joining | Leaving | |
| Lecturer | Government Vidarbha Mahavidlaya, Amravati | August 1997 | November 2001 | 2200-4000 |
| Assistant Professor | A.N. College, Anandwan. Warora | 01/12/2001 | 30/11/2005 | 8000-275-13500 |
| Assistant Professor | A.N. College, Anandwan Warora | 01/12/2005 | 30/11/2010 | 10000-15200 |
| Assistant Professor | A.N. College, Anandwan. Warora | 01/12/2010 | 30/11/2013 | 15600-8000-39100 |
| Associate Professor | A.N. College, Anandwan Warora | 01/12/2013 | 05/08/2013 | 37400-9000-67000 |
| Offg. Principal | A.N. College, Anandwan Warora | 06/08/2013 | 05/08/2016 | |
| Regular Principal | A.N. College, Anandwan Warora | 08/08/2016 | To Date | |

Research: 12 Years

| Subject | University | Registration Letter No. | Date |
|---------|------------------------|---|------------|
| Botany | RTM, Nagpur University | Ph. D. (Cell)/RRC/Guide/Ac/1801/B/2077 | 29-11-2004 |
| Botany | Gondwana University | GUG/Ph. D. Sup. Rec./154/2012 | 16-08-2012 |

Other Experience:**Completed Projects / Consultancies**

| Sr.No. | Title | Agency | Period | Grant Mobilized |
|--------|--|--|--------------|-----------------|
| 1 | Induction of systemic acquired resistance in groundnut. | UGC | 1999-2001. | 37000/- |
| 2 | Digitized Inventorization of Medicinal Plant Resources of Maharashtra State. | Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra | 2009-2012 | 23,40,710/- |
| 3 | Breeding for high yield and disease resistance in Chilli-Capsicum annum L., by induced mutations. | DAE-BRNS, BARC, Mumbai | 2015-2018 | 24,61,300/- |
| 4 | Study on the spider diversity and its correlation with plant diversity in Chandrapur district of Maharashtra. | UGC, Major Research Project. | 2011 to 2014 | 3,17,000/- |
| 5 | Consulting Scientist, in a DAE - BRNS sponsored project, on Banana Tissue Culture, at AnandNiketan College of Agriculture, Warora. | DAE -BRNS sponsored project, Govt. of India | 2003-2006 | 10,00,000/- |
| 6 | Extending technical consultancy to a Nagpur based NGO named SHODH in forest conservation related activities. | NGO | 15-11-2005 | |
| 7 | Extending technical consultancy to a Nagpur based NGO named ROLE in conservation of forest and medicinal plants. | NGO | 6-02-2009 | |

Area of specialization: Cyto-genetics, Plant Biodiversity**Courses Taught:** Cyto-genetics, Plant Physiology, Molecular Biology, Biotechnology, Ecology

Research Guidance:

| Sr. No. | Course | Number Enrolled | Thesis submitted | Degree awarded |
|---------|---------|-----------------|------------------|----------------|
| 01 | M.Phil. | 05 | 05 | 05 |
| 02 | Ph.D. | 05 | 00 | 03 |

Research Publications:

| Sr.No. | Title with page No. | Journal | ISSN/ISBN |
|--------|---|---|----------------------------|
| 1. | Induction of phenylalanine ammonia-lyase in groundnut cultivars in response to biotic and abiotic stress (2001) | <i>Indian Phytopathology</i> vol. 54, N o.3, pp. 288-292. | |
| 2 | Induction of B-1,3-Glucanase and chitinase genes in Groundnut cultivars (2003). | <i>Journal of Cytology and Genetics</i> 4(NS): 35-43. | |
| 3 | In Vitro Callus induction (2010) Vol. 1(2) pp. 87-90 | Int. J. Adv. Biotech. & Res. | 0976-2612 |
| 4 | Zooplankton abundance and its correlations. (2012) Vol. 13 (1 & 2) pp. 141-144. | Env. Cons. J. | |
| 5 | Artificial pollination in two species of Vanda. (2012) Vol. 3 pp. 132-137. | J. Sci. Inf. | |
| 6 | Fish diversity of Chargaon (2013) Spl. Issue | Indian Stream Res. J. | 2230-7850 |
| 7 | Studies on the effect of coalmine overburden (2013) Spl.issue pp. 112-114 | J. Aaqua. Biol. | 0971-4235 |
| 8 | Preliminary phytochemical analysis of Dolichandrone. (2013) Vol 8 no. 1-2 pp. 233-237 | Vidarbha J. Sci | 0973-8932 |
| 9 | Ethnomedicinal plants used by Gond/Madia (2012) Vol.3 pp. 174-177. | J. Sci. Inf. | |
| 10 | Ethnomedicinal plants used by Gond/Madia tribes of Etapalli, (2014) Vol. 2 pp. 720-727. | Int. J. of Res. In Biosci. Agri. Tech. | 2347-517X |
| 11 | Ethnobotanical studies on the flora of Yavatmal District. (2014) Vol. 2 pp. 317-323. | | 2347-517X |
| 12 | Preliminary Physico-Chemical study of water at outlet of MIDC, Warora (India) (2015). | Int. J. of Res. In Biosci. Agri. Tech. | 2347-517X |
| 13 | Skill Acquisition for Ethnobotany Research (2017) July, Spl.issue (2) Vol-V | Int. J. of Res. In Biosci. Agri. Tech. | 2347-517X |
| 14 | Ethnomedicinal Plants of Sironcha, Etapalli, Dhanora Tahsil of Gadchiroli District, Maharashtra State, India (2017) July, Spl.issue (2) Vol-V | Int. J. of Res. In Biosci. Agri. Tech. | 2347-517X |
| 15 | Preliminary phytochemical analysis of <i>Antidesma ghaesembilla</i> l. (2018) March 12 A | Lif Sciences | UGC App. Journal no. 48951 |
| 16 | A Study on phytoplanktonic diversity of Pothara river, near Khambada, Maharashtra (2019) December, Volume XI, Issue XII | Journal of Interdisciplinary Cycle Research | 0022-1945 |

| | | | |
|-----------|--|--|------------------|
| 17 | Ethno-Medicinal plants used by local people during covid-19 pandemic in Chandrapur district. (2021) Sept.(V) Vol.9 | Int. J. of Res. In Biosci. Agri. Tech. | ISSN 2395-602X |
| 18 | Effect of gamma irradiation on seed germination and seedling growth of Capsicum annum L. (2022) Jan (x) Vol.I | Int. J. of Res. In Biosci. Agri. Tech. | e-ISSN 2347-517X |
| 19 | An anthropological study on religious culture and medicinal plants by the local tribe of Chandrapur District. (2022) May(x) Vol.II | Int. J. of Res. In Biosci. Agri. Tech. | e-ISSN 2347-517X |

Date of Joining: 1-12-2001

Date of Retirement: 31-07-2030

**Life Member: Indian Science Congress Association, Kolkata,
Beauty Without Cruelty**

Academic bodies : Former Chairman, Board of Studies in Botany, Gondwana University, Gadchiroli
Currently member, Academic Council, Gondwana University,

Gadchiroli

Currently member, Board of Studies in Botany, Gondwana University, Gadchiroli

Member, Board of Research, Gondwana University, Gadchiroli

Member Academic Audit committee, Gondwana University, Gadchiroli