



**Dr. (Mrs.) Manisha Vinod Kale**

**Educational Qualifications:** M.Sc. Ph. D. (Botany)

**Designation:** Associate Professor

**Institute:** Jaysingpur College, Jaysingpur

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**Honors and Awards:**

- “Fellow” of the Indian Fern Society-2010, Indian Fern Society, Chandigarh, Punjabi University, India.
- “Certificate of Excellence” 2013, Academy of Plant Sciences, India
- “Special Service Award” Rotary club, Jaysingpur.
- “Rashtra Ratna Award” 2015, Achievers Association for Economic Research & Development, Delhi
- “Special Mention Certificate” 2017, Academic Achievement Awards, New Delhi
- Dr. A.P.J.Abdul Kalam Life Time Achievement National Award on 28<sup>th</sup> October 2018, IRDP Group of Journals, Chennai, India

**Research Projects:**

No.	Title of the Project	Funding Agency	Date of starting	Amount sanctioned
1	Minor research project entitled, “Phytochemistry of Pteridophytes of Castlerock, Anmode & its environs”	UGC,WRO, Pune	2002 (completed)	37,000/-
2	Major research project “Ethanomedicinal studies in some Pteridophytes of Western Ghats-a biodiversity hot spot”	UGC, New Delhi	2011 (completed)	12,65,188/-

### Research Guidance:

Sr. No.	Name of the student	Degree Awarded
1	Miss. Kanchan N. Dubal	YES
2	Miss Pradnya N. Ghorpade	YES
3	Shri Dhanaji M. Ghadage	Work in progress
4	Miss U. A. Dharmadhikari	Work in progress

### Research publications:

- 1 **M. V. Kale** and A.B.Upadhye “Study of soluble proteins in the dimorphic leaves of some homosporous ferns” **Geobios**, Vol.30:180-182, 2003
- 2 **M. V. Kale** and A.B.Upadhye “Study of chlorophylls in the dimorphic leaves of some homosporous ferns” **Indian Fern Journal**, Vol.20:67-70,2003
- 3 **M. V. Kale** and A.B.Upadhye “Study of inorganic constituents in the dimorphic leaves of *B. appendiculata*-----*Drynaria quercifolia* (L.)J.Sm.” **Indian Fern Journal**, Vol.20:90-93, 2003
- 4 **M. V. Kale** and A.B.Upadhye “Phytochemistry of the dimorphic leaves of some homosporous ferns” **Geobios**, Vol.32:57-60,2004
- 5 **M. V. Kale** and A.B.Upadhye “Some inorganic constituents in the dimorphic leaves of some homosporous ferns” **Geobios**, Vol.32:41-44,2005
- 6 **M. V. Kale** and A.B.Upadhye “Study of proteins in the dimorphic leaves of three ferns of Western Ghats, South India” **Indian Fern Journal** ,vol.2:89-91,2005
- 7 **M. V. Kale** “Assessment of proline contents in relation to ----- certain Pteridophytes of western ghats, South India” **Indian Fern Journal**, Vol.23:11-14,2006
- 8 **Manisha Kale** and Meena Dongare “Distribution of amino acids in some of the dimorphic ferns growing in different habitats” **Bulletin of Pure and Applied Sciences**, Vol.26B(No.1-2)07-10,2007
- 9 **Manisha Kale** and Meena Dongare “Polyphenol contents in the dimorphic leaves of some ferns from southern India” **Bulletin of Pure and Applied Sciences**, Vol.26B(No.1-2)43-46,2007
- 10 **M. V. Kale** “Phytochemical analysis of *Bolbitis* Rare and endangered species from----- -Maharashtra, South India, **Indian Fern Journal**, Vol.24:148-150,2007
- 11 **M. V. Kale** and Meena Dongare “Comparative analysis of nitrogen metabolism ----- dimorphic ferns of western ghats, **Indian Fern Journal**, Vol.24:82-84,2007

- 12 **Manisha Kale** “Diversity in the flora of dimorphic ferns of south western ghats- A biodiversity hot spot” **Bulletin of Pure and Applied Sciences**, Vol.31B(No.1)25-29,2012
- 13 D.M.Ghadage & **M V Kale** “Ethnomedicinal and phytochemical studies in some----- ghats, Maharashtra” **Indian Fern Journal**,Vol.29:238-239,2012
- 14 K N Dubal, P N Ghorpade and **M V Kale** “Studies on bioactive compounds of *Tectaria caudunata* (wall. Ex. Hook & Grev.)C.Chr.**Asian J. of Pharmeceutical and clinical research**,vol.6,Issue2. 186-87, 2013
- 15 D.M.Ghadage & **M V Kale** “Estimation of Titrable Acid Number----- of some pteridophytes of south western ghats, **Advances in Plant Sciences**,vol.26(II):543-545,2013
- 16 D. M. Ghadage & **M V Kale** “Ethnobotanical studies on *Drynaria quercifolia*(L.)J.Sm.-----District, Maharashtra”**Indian Fern Journal**,Vol.30:47-50,2013
- 17 K N Dubal, P N Ghorpade and **M V Kale** “Preliminary phytochemical analysis----- -- of some terrestrial ferns” **Indian Fern Journal**, vol.30,51-54,2013
- 18 Kanchan Dubal and **Manisha Kale** “GC-MS profile of *Lygodium Flexuosum* L. ----- -fern from north western ghats” **Indian Fern Journal**,vol.31,112-117,2014
- 19 K. N. Dubal, S.M.Patil, M.M.Dongare & **M.V.Kale** “Investigation of chemical composition from *D. cochleata* (D.Don)C.Chr.(Dryopteridaceae)” **Asian J. of Pharmeceutical and clinical research**,vol.8,Issue 4, 2015
- 20 **Manisha Kale** “Determination of bioactive compounds of *D. linearis* (Burm.f)Underwood whole plant extract by GC-MS analysis” **Bulletin of Pure and Applied Sciences**, Vol.34B(No.1-2)21-24,2015
- 21 P.N.Ghorpade, **M.V.Kale** and S.B.Thakar “Phytochemical analysis of bioactive components of *Cheliantes farinosa* (Forssk.)Kaulf.”**RJLBPCS**,1(1),33-37,2015
- 22 **Manisha V Kale** “Qualitative and Quantitative Analysis of three *Bolbitis* species.”**RJLBPCS**1(1)122-125,2015
- 23 **Manisha V Kale** “GC-MS analysis of phytocomponents on whole plant extract *Adiantum capillus-veneris* L.- A potential folkfore medicinal plant.”**RJLBPCS**2(1)116-121, 2015
- 24 P.N.Ghorpade, S.B.Thakar, M.M.Dongare, **M.V.Kale** “Phytochemical analysis of four *Cheilanthos* species from northern western ghats of India.” **RJLBPCS**1(2)92-99,2015
- 25 **Manisha V Kale** “ Phytochemical analysis of whole plant extract of *Angiopteris heliferiana*.” **RJLBPCS**1(3)139-143, 2015

- 26 **Manisha V Kale** “Qualitative and Quantitative Analysis of *Cyathea Gigantea* Ferns from South Western Ghats.” **RJLBPCS1**(4) 188-192,2015
- 27 **Manisha Kale** “ Ethno-Medico-Botanical study on *Acrostichum Aureum* L. of Southern Western Ghats.”**IJCST** 66-69, 2015
- 28 **Manisha Kale** “Inorganic constituents of some terrestrial ferns from south western ghats.” **RJLBPCS1**(3) 179-183 2015
- 29 **Manisha Kale** “Inorganic constituents of two *Bolbitis* fern species from south western ghats.” **RJLBPCS** 1(4) 193-197, 2015
- 30 **Manisha Kale** “Qualitative and Quantitative Analysis of three ferns from south western ghats.” **RJLBPCS** 1(4)184-187, 2015
- 31 Sambhaji B. Thakar, Pradnya N. Ghorpade, **Manisha V Kale** and Kailas D. Sonawane “FERN Ethnomedicinal Plant Database: Exploring Fern Ethnomedicinal Plants Knowledge for Computational Drug Discovery, **Current Computer Aided Drug Design**,11,2015
- 32 Kanchan Dubal, Sachin Patil, Meena Dongare, **Manisha Kale** “GC-MS Analysis of *Tectaria Polymorpha* (WALL. EX HOOK)COPEL from northern western ghats (INDIA) **Indian fern J.** 33:206-211, 2016
- 33 **Manisha Kale** “GC-MS Analysis of a Pteridophyte *Thelpteris dentata* (FORSSK)E. ST. JOHN from northern western ghats. **Indian Fern J** 33:188-192, 2016
- 34 **Manisha Kale** “Screening of GC-MS compounds in some Pteridophytes of Northern Western Ghats” **International Journal of Advance Research in Science and Engineering** vol. 06, Issue 01, January 2017
35. **M. V. Kale** Study Of Bioactive Compounds In Rhizome Extract Of *Dryopteris Cochleata* (D. Don) C. Chr. By Using GC-MS Analysis **Indian Fern J** 36 : 30-36 (2019)
36. **M. V. Kale** Study of Antioxidant Properties of Genus *Cheilanthes* Sw. **Bulletin of Pure and Applied Sciences.** Vol.39 B (Botany), No.1. January-June 2020: P.19-23

### **Memberships and Other**

- Life member of the Indian Fern Society, Indian Fern Society, Chandigarh, Punjabi University, India.
- Life member Indian Society for Plant Physiology, New Delhi.
- Life member of Indian Science congress, Kolkata
- Life member of Geobios, Jodhapur

- Life member of Academy of Plant Science, Muzaffarnagar, New Delhi.
- Life member of Bulletin of Pure and Applied Sciences, New Delhi.

**Editor-**

- Member of Executive Council for the year 2015 and 2016 by Indian Fern Society.
- Member of National Advisory committee for National symposium organized by Botanical Survey of India, Arunachal Pradesh Regional centre, Itanagar on 22<sup>nd</sup> -23<sup>rd</sup> 2018.

**Patents-**

National Level Patent is published in Patent journal