

**Dr. (Mrs.) Varsha T. Dhurvey, M.Sc., Ph.D.**  
***Professor and Head***



**Contact Information:**

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Unique ID-7487  
Association- Permanent  
Date of joining – 1<sup>st</sup> November 1993/ 18<sup>th</sup> August 2009  
Date of retirement -31<sup>st</sup> July 2028

**Biographical information:**

M.Sc. Zoology (MRP)	Nagpur University, Nagpur	1993
B.Ed.	Nagpur University, Nagpur	1994
Ph.D	Nagpur University, Nagpur	2003

**Work Experience:**

**Professor** - Department of Zoology, RTM, Nagpur University, Nagpur 2015-till date  
**Associate Professor** - Department of Zoology, RTM, Nagpur University, Nagpur 2009-2015  
**Lecturer** - Shivaji Science College, Congress Nagar, Nagpur (2003-2009)  
**Lecturer**--D.B. Science College, Gondia (1997-2003)  
**Lecturer** - M.B. Patel College, Sakoli. Dist. Bhandara (1993-1997)

Chairperson of BOS Department of Zoology, Autonomous Dept, of RTMNU, Nagpur (2022-2025)  
Member of Academic Council RTM Nagpur University, Nagpur (2022-2027)  
Member of Senate RTM Nagpur University, Nagpur. (2022-2027)  
Ex-Member of Academic Council RTM Nagpur University, Nagpur (2017-2022)  
Member of Special Task Committee of Zoology, RTM Nagpur University, Nagpur. 2015-2021  
Co-coordinator of Special Task Committee of Zoology, RTM Nagpur University, Nagpur. - 2022  
Co-opted Member of Subject Examination Committee RTM Nagpur University, Nagpur. 2015-2021  
Subject Expert for the Teachers Placement Committee of affiliated Colleges of RTM Nagpur University, Nagpur.  
Advisory Member of Professor interview of Zoology conduct by Maharashtra Public Service Commission Mumbai.  
Nominated as a Member (V C Nominee) of selection committee of Assistant Professor (on contractual basis) RTM Nagpur University, Nagpur. (11-12-13 & 19 October 2018)

**Total Teaching Experience 30 years**

**Research Experience 22 years**

**Area of Specialization-** Reproductive physiology, Toxicology and Endocrinology, Fluorosis

**Course taught--.**

- Advanced Development Biology
- Advanced Reproductive Biology
- Research Methodology
- Mammalian Reproductive Endocrinology
- Mammalian Reproductive Physiology in Male
- Mammalian Reproductive Physiology in Female
- Mammalian Reproductive Toxicology
- Structure and function of vertebrate
- Cell biology
- Animal behavior

**Research projects:**

Sr. No.	Major/ Minor	Title of the Project	Name of the Funding agency	Amount sanctioned	Status
1.	Major	Environmental health perspective of fluorosis in endemic fluoridated areas of Chandrapur district of Maharashtra (Principal investigator)	U.G.C. New Delhi (F. 41-155 / 2012(SR)	Rs. 10,94,464/-	Completed (2012-2015)
2.	Minor (collaborative)	Study of fluoride contamination of groundwater in some rural parts of Chandrapur District of Maharashtra (Co-investigator)	UGC No. 3-1191 / 09 (WRO)	Rs. 1,10,000/-	Completed (2009-2011)
3.	Minor (collaborative)	Studies on evaluation of pesticidal properties of endogenous plants. (Co-investigator)	UGC No. 800/ 09 (WRO)	Rs. 1,43,000/-	Completed (2009-2011)
4.	University research scheme	Immunohistochemical changes in the adult rat testes induced with <i>Aloe vera</i> herb and synthetic drug chloroquine	RTM, Nagpur University	Rs. 3,50,000/-	Completed (2018-2020)
5		<i>Aloe Vera</i> induced change in Caspases Protein of male albino rat	DST-SERB PAWAR	Rs. 26,25,000/-	provisionally accepted

**Research Guidance:**

- 119 M. Sc. Students Project completed
- 19 M. Sc. Students currently working on Project.
- 8 Ph.D. students currently working

### List of Ph.D. Students

S. No	Name of Candidate	Topic	Year of Ph. D Registration	Ph.D. Awarded
1.	Ms. Sonali Dhawas	Studies on skeletal fluorosis in endemic villages of the Warora tehsil of Chandrapur district, Maharashtra	14/7/2010	18 May 2015
2.	Ms. Ragini Marganwar	Studies on dental fluorosis in some populations residing in the Chandrapur district of Maharashtra	14/7/2010	21 October 2016
3.	Ms. Mangala Thakare	Effect of sodium fluoride on albino rat <i>Rattus norvegicus</i> with special reference to female reproductive System	28/6/2012	07 September 2017
4.	Ms. Vandana Patil	Studies on the effect of sodium fluoride on thyroid gland in female albino rat <i>Rattus norvegicus</i>	02/1/2013	01 September 2020
5.	Mrs. Urmila A. Jiwantare	Ameliorating potentiality of sesame seed on aloe vera and chloroquine induced changes in testes and epididymis of male albino rats	18/5/2015	4/2/2022
6.	Ms. Firdos Karim	Studies on effects of <i>aloe vera</i> and chloroquine on accessory sex glands of male wistar rat, <i>Rattus norvegicus</i>	4/01/2017	06/10/2023
7.	Mrs. Shabnam Kishor Ramteke	Effect of <i>Astragalus membranaceus</i> (Cart Linnaeus) on Kidney and Bladder of Aniline and Saccharin Treated Rat	26/10/2018 Working	
8.	Mrs. Anjali Phaley	Studies on the domestic animal in the fluorotic area of Chandrapur district Maharashtra	1/2/2020 Working	

9.	Ms. Dharita Joshi	Ameliorative effect of sunflower seeds on monosodium glutamate induced liver and kidney of albino Rat	14/3/2022 Working	
10.	Ms .Harshada Pawar	Potential defense of sunflower seeds on monosodium glutamate induced testis and epididymis of albino rat	14/3/2022 Working	
11.	Ms. Pallavi Moharle	Effect of aniline on liver and spleen of albino rat, <i>Rattus Norvegicus</i>	14/3/2022 Working	
12.	Ms. Perna Bisen	Role of <i>Aloe vera</i> in fertility in albino rat, <i>Rattus norvegicus</i>	15/3/2022 Working	
13.	Ms. Vaibhavi Ingle	Studies on ameliorative potentiality of <i>Cymbopogon citratus</i> on aniline induced changes in the ovaries and uterus albino rat	15/3/2022 Working	
14.	Mr. Nayan Kumbhare	Effect of aniline on testis, epididymis and sperm analysis of male albino rat	23/12/2023 Working	

Laboratory facility - develop for the detection of fluoride concentration in blood, milk, urine and water by using Ion analyzer Orion

Patent-----Filed (Register)

Title-“A non-invasive blood glucose measuring device”

Technology Transfer—

### Chapter in book

**1. Dhurvey Varsha** and Thakare Mangala (2023) Amelioration of *Aloe vera* on Sodium

Fluoride Induced Alteration In Ovary of Albino Rats. **Sustainable barebones of Animal Physiology**

ISBN: 978-93-56511-96-5 pp 117-128

**2. Rashmi** Urkude, **Varsha Dhurvey**, Sonika kochhar(2019) Pesticide Residues in Beverages chapter15 in book Quality Control in Beverage Industry, The Science of Beverages (17) 529-560.

DIO: 1016/B978-012-816681-9.00015-1**Elsevier Inc**

**3. Jaya** Kodate, Rashmi Urkude and **Varsha Dhurvey** (2011) Confidence: A stepladder towards the success on motivation and self-confidence edition 123-127

### **List of selected publications:**

#### **In peer-reviewed, refereed/ Scopus/ web of science journals with impact factors**

**Varsha Dhurvey**, Firdos Karim and Rashmi Urkude (2024) 'Effect of *Aloe vera* on Cowper's Gland of *Rattus norvegicus*' Bioinfolet Vol 21( 2 ) pISSN : 0973-1431, eISSN : 0976-4755,UGC-CARE list, Web of Science, accepted

**Varsha Dhurvey**, Urmila Jiwantare and Rashmi Urkude (2024) Studies on the protective effect of sesame seed on *Aloe vera* induced reproductive impairment in male albino rat Bioinfolet Vol 21 ( 2 ) pISSN : 0973-1431, eISSN : 0976-4755, UGC-CARE list, Web of Science, accepted

**Varsha Dhurvey**, Firdos Karim and Rashmi Urkude (2024) Fluoride content in food crops and dietary intake in a fluoride-endemic area of Pijdura village of Warora tehsil, Chandrapur district, Maharashtra Journal of Soils and Crops Vol 34(1) 85-88 pISSN:0971-2836, eISSN:2582-2756 UGC care II listed

Prerna Bisen, Firdos Karim and Varsha Dhurvey (2024) Impact of *Aloe vera* consumption on reproductive system: A review Journal of Xi'an University of Architecture & Technology Vol XVI, (1), 574-580 ISSN: 1006-7930 DOI: [10.37896/JXAT16.1/33144](https://doi.org/10.37896/JXAT16.1/33144) Scopus (UGC care list II)

Pawar Harshada, **Dhurvey Varsha**, Katke Shyamla, Joshi Dharita, Mohurle Pallavi (2023) Monosodium Glutamate Induce Toxicity on Male Reproductive System: A Review Journal of Scientific Research Vol 67 (3) 28-36 DOI: 10.37398/JSR.2023.670305

Dharita M. Joshi, **Varsha T. Dhurvey**, Shyamla R. Katke, Harshada B. Pawar<sup>1</sup> and Pallavi M. Mohurle (2023) Effect of monosodium glutamate on hepatotoxicity and nephrotoxicity: A mini review World Journal of Biology Pharmacy and Health Sciences, 15(01), 152–159  
DOI: <https://doi.org/10.30574/wjbphs.2023.15.1.0318>

Ingle Vaibhavi, **Dhurvey Varsha\***, Urkude Rashmi (2023) Genotoxic, Carcinogenic and Reproductive Studies on Aniline: A Mini Review International Journal of Scientific Research in Biological Sciences Vol.10 (4).42-47, ISSN: 2347-7520

Pallavi Mohurle, **Varsha Dhurvey**, Rashmi Urkude, Harshada Pawar, Dharita Joshi (2023) A mini review on effect of aniline on liver and spleen International Journal of Enhanced Research in Science, Technology & Engineering ISSN: 2319-7463, Vol. 12 (8) UGC Approved, International Peer Reviewed /Refereed Journal. DOI:<https://doi.org/10.55984/IJERSTE.2023.0806>

Sonika Kochhar, Rashmi Urkude, **Varsha Dhurvey** (2023) Deltamethrin pesticide residues determination by gc-ms/ms employing quechers method for extraction on some consumable produce of pigeon pea crop Eur. Chem. Bull. 2023,12(4), 1029-1036 doi: [10.31838/ecb/2023.12.4.0782023.26/04/2023](https://doi.org/10.31838/ecb/2023.12.4.0782023.26/04/2023)

Shyamla Katke and **Varsha Dhurvey** (2023) Vermicomposting: An Opportunity for Economic Development and Entrepreneurship of Women International Journal of Commerce and Management Studies (IJCAMS) ISSN 2456-3684 Vol. (8)1, 123-129

Urmila Jiwantare and **Varsha Dhurvey (2022)** Effect of *Aloe vera* and chloroquine on testes, sperm morphology and serum levels of reproductive hormones in albino rat Volume 3 (9) October 2022 AGPE Gondwana Journal. 22-31 ISSN (P): 2582:8800

S. Dhawas , **V. Dhurvey** , R. Urkude (2021 ) Effect of Fluoride Toxicity on Some Hematological Indices in Human Population December 2021 International Journal of Scientific Research in Science and Technology 8(6):158-163 UGC List DOI: [10.32628/IJSRST21866](https://doi.org/10.32628/IJSRST21866)

Anjali Phaley, Rakhi Sawan, **Varsha Dhurvey** (2021) Fluoride and domestic animals: a review International Journal of Creative Research Thoughts (IJCRT) Volume 9, Issue 11 November 2021. UGC List

**Varsha Dhurvey**, Payal Ramteke, Rakhi Sawan and Shikha Sethiya (2021) Two worst pandemics - Spanish Flu and COVID-19: A review Advanced Biology and Pharmacy, Magna Scientia ,04(01), 001–012 DOI: <https://doi.org/10.30574/msabp.2021.4.1.0050>

**V. Dhurvey** , F . Karim , S. Dhawas , R. Urkude , S. Katke ( 2021) Fluoride accumulation in foodstuff and dietary intake in a fluoride-endemic area of Chandrapur district, Maharashtra. Vidyabharati International Interdisciplinary Research Journal, September 2021, 13(1). 105-109. UGC List (W O S)

Marganwar R.K. and **Dhurvey V. T.** ( 2021) Human Red Blood Cell Abnormalities in Fluoride Endemic Area of Warora Tehsil, Chandrapur District, Maharashtra, India International Journal of Zoological Investigations Vol. 7, No. 2, 456-461 August <https://doi.org/10.33745/iji.2021.v07i02.020>

**Varsha Dhurvey**, Nayan Kumbhare, Firdos Karim, Shyamla Katke ( 2021) Aniline induced histological alterations and evaluation of serum hormones in thyroid gland of male albino rats Volume 02 (01) July 2021 agpe gondwana journal. 31-38 ISSN (P): 2582:8800

**Varsha T Dhurvey**, FA Karim, PM Dixit (2020) Cytogenetic Study of Fluoric Individuals of Chandrapur District, Maharashtra 485-490 DOI: 09.0014.MSJ.V9I10.0086781.11400(**Impact factor- 4.6**)

**VarshaT Dhurvey**, UA Jiwantare, FA Karim (2020)Ameliorating Potentiality of Sesame Seed on Aloe Vera Induced Male Albino Rats541-548 DOI:09.0014.MSJ.V9I10.0086781.11407(**Impact factor- 4.6**)

**Varsha Dhurvey** and Firdos Karim (2019) Histopathological studies on effect of antimalarial drug chloroquine on prostate gland of Wister rat. International Journal of Scientific Research and Review (IJSRR), volume 8, issue 2, pp-2619-2625.

**Varsha Dhurvey**, Bhawna Gotmare, Firdos Karim (2018) Lead Acetate induced Histological alterations in Seminal-vesicle and Prostate Gland of *Wistar* rats. Journal of Indian Society of Toxicology volume14 issue 2 pp26-29DOI:10.31736/jist/v14.i2.2018.26-29

Urmila Jiwantare, **Varsha Dhurvey** and Shyamala Katke (2017) Studies on the Histological Changes In Testes and Analysis of Serum Hormonal Level of *Aloe Vera* Treated Male Albino Rat, *Rattus Norvegicus* **IJBAT**, Special Issue (2), Vol-V, ISSN No. 2347- 517X pp292-293

Firdos Karim and **Varsha Dhurvey** (2017) Histopathological studies on the effect of aloe vera extract on seminal vesicle on wistar rats, *Rattus norvegicus* **IJBAT**, Special Issue (2), Vol-V, ISSN No. 2347-517X pp 366-369

**Varsha Dhurvey**, Vandana Patil, Mangala Thakare(2017)Effect of sodium fluoride on the structure and function of the thyroid and ovary in albino rats (*Rattus norvegicus*)**Fluoride Vol. 50(2) :235-246. (Impact factor- 1.342)**

Urkude R., Kochhar S. R. and **Dhurvey V (2016) Studies** on bioefficacy of lindane and Endosulfan on pod borer of Pigeon pea Journal of Environmental Research and DevelopmentVol.11 No. 02,pp345-350 October-December 2016 (**Impact factor4.301**)

**Varsha Dhurvey**, Mangala Thakare (2016) The effect of sodium fluoride intoxication on the estrous cycle and ovarian hormones in rats (**FluorideVol.49(3) :223-232. (Impact factor- 1.342)**)

Kodate, J, Marganwar, R., **Dhurvey, V.**, Dhawas, S. and Urkude, R. (March 2016) Assessment of groundwater quality with special emphasison fluoride contamination in some villages of Chandrapur district of Maharashtra, India (IOSR-JESTFT) Volume 10, Issue 3 Ver. I PP 15-26. (**Impact factor- 1.825**)

Urkude Rashmi, **Dhurvey Varsha**, Bhosle Kiran , Kuchanwar Ommala Kodate Jaya(**July-Sep 2015**) Studies on estimation of fluoride level and defluoridation of drinking water using agrowaste materials International journal of plant animal and environmental science Vol. 5, Issue 3 pp 431-433. (**Universal Impact factor- 1.026**)

Rashmi Urkude, Sonika Kochhar, **Varsha Dhurvey** (Jan 2015) Quechers method: a modern technique for analysis of pesticide residues in food **Vol. I, Issue-III** pp142-147 (**IJRSSIS**)

Vandana V. Patil and **Varsha T. Dhurvey** (Jan –Mar 2015) Exposure to sodium fluoride affects thyroid follicular cells in albino rats International journal of plant animal and environmental science Vol- 5 Issue -1pp 56-61(**universal Impact Factor- 1.0 26**).

Urkude Rashmi, **Dhurvey Varsha**, Marganwar Ragini and Dhawas Sonali (**July-September 2014**) Influence of lindane and endosulfan on Earthworm Population Journal of Environmental Research and Development **Vol. 9 No. 01 pp 184-187(Impact factor 1.23)**

Mangala Thakare and **Varsha Dhurvey (Jun. 2014)** Histopathological changes in the uterus of rat after an administration of sodium fluoride. International journal of scientific research **Vol. 3 issue 6 pp 431-433 (Impact factor 1.865)**

**Varsha Dhurvey** and Sonali Dhawas (**Feb. 2014**)Skeletal Fluorosis In Relation To Drinking Water, Nutritional Status And Living Habits In Rural Areas Of Maharashtra, India **IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR- JESTFT) Volume 8, Issue 1 Ver. VI PP 63-67(Impact factor- 1.325)**

S. R. Kochhar R. Urkude **V. Dhurvey D. C. Sindhimeshram Jan (2014)** Plant as source of pesticides: current status and future perspective. **International journal of researches, Biosciences, Agriculture & Technology Vol. 1-issue 2 pp 639-646**

**Dhurvey Varsha** and Marganwar Ragini (Octo-Dec 2013) Dental fluorosis prevalence and severity by using Dean's index among school students in Dongargaon of Warora tehsil, Chandrapur district, Maharashtra **Journal of Environmental Research and Development vol.8 No.2, pp309-314(Impact factor- 1.268)**

Marganwar Ragini , **Dhurvey Varsha**, Kodate Jaya and Urkude Rashmi(2013) Fluoride distribution in drinking water and its effect with reference to Dental fluorosis in children residing in Warora tehsil, Chandrapur district of Maharashtra **International journal of Life Sciences Vol. 1 (3) pp 202-206**

**V.R. Pendam (Dhurvey)** and D.B. Tembhare (2013) Effect of JH-III and  $\beta$ - ecdysone on seminal vesicle in the tropical tasarsilkmoth, *Antheraea mylitta*(Drury) (Lepidoptera: Saturniidae) **International Journal The Bioscan 8(2)447-450 (NSSA-5.1)**

Dhawas Sonali, **Dhurvey Varsha**, Kodate Jaya and Urkude Rashmi (April-June 2013). An epidemiological study of skeletal fluorosis in some villages of Chandrapur district, Maharashtra, India **Journal of Environmental Research and Development vol.7 no.4A, pp1679-1683(Impact factor- 1.268)**

Ragini Marganwar, **Varsha Dhurvey**, Jaya Kodate and Sonali Dhawas ( Nov 2012) Physico-chemical characteristics and quality of Lake water of Nagpur city, Maharashtra (India)International Journal Bionano Frontier pp 159-163 (Impact factor- 0.2)

D.B. Tembhare and **V.R. Pendam (Dhurvey)** (2005) Effect of JH-III and ecdysone on spermatogenesis in the tropical tasar silkmoth, *Antheraea mylitta* (Drury) (Lepidoptera: Saturniidae ). Int. J. Wild Silkmoth and Silk 10: 9-16.

**V. R. Pendam (Dhurvey)** and D. B. Tembhare (2005) Histochemical studies on male accessory of *Antheraea mylitta* (D) (Lepidoptera: Saturniidae ) and effect of juvenile hormone and ecdysone. Entomon 30(1):5-12