

Teacher Profile

1. Personal Details

- **Name** : Dr. Somnath Balbhim Waghmare
- **Present position** : Assistant Professor
- **Address** : Department of Zoology, Nowrosjee Wadia College 19, Late Prin. V.K. Joag Path, Pune, Maharashtra
- **Contact Numbers** : Mobile- +91 9881926518. :
- **E-mail** : drsomnathwaghmare@gmail.com

2. Academic Details

Examination	Discipline/ Specialization	Board/ University	Year of Passing	Class
Ph.D	Zoology (Applied Parasitology)	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	October 2010	-
M.Sc.	Zoology	Shivaji University, Kolhapur	May 2005	B+
B.Sc.	Zoology	Shivaji University, Kolhapur	May 2003	First Class

Degree Awarded in Oct 2010 (Ref No. P.G./ Ph.D. 2010/ 9181)

- **Ph.D. Thesis Title:** Biochemical Aspects from *Gallus gallus domesticus* with special reference to cestodes
- **Work Place:** - Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

3. Research Specialization:

- **Applied parasitology-** Nematology, Systematics, Biochemistry of cestodes
- **Bioinformatics/Computational Biology:** - Molecular modeling. - Structural biology of parasite proteins, Molecular modeling. Prediction of three-dimensional structures of proteins and enzymes of Helminth parasites; Homology modeling, Molecular docking.
- **Fishery-** Diversity, Ecology, Genetic variations

4. Teaching Experience

- U.G.- Since June 2011
- P.G.- Since 2011

5. Research Guidance

- Recognised Post graduate teacher, M.Phil. and Ph.D. research guide of Savitribai Phule Pune University, Pune from 2019 to 2027
- P.G.: - Guidance to M. Sc (Zoology) student for his project work at Department of Zoology Nowrosjee Wadia College of Arts and Science Pune, and other college students of Maharashtra since from 2011.

- 6. Publications- In National and International journal - 38**
Paper presented In Conferences/ Seminars / Seminars - 17
Conference/ Workshop/Seminar attended - 31

- 7. Administrative Responsibilities-** Working as NSS Program officer from Jan 2019 till date

6. Research Publications (Total: 38)

RESEARCH PAPER PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS-

- 1) **Somnath Waghmare**, Afrin Naikwadi (2021) Homology Modelling and Molecular Docking Analysis of Glycogen Phosphorylase from *Aedes Aegypti*. **Paper communicated** with Journal of Insect Informatics.
- 2) **Somnath Waghmare**, Akshay Gawade (2021) Insilico Sequence Analysis, Homology Modeling, Molecular Docking and Function Annotation of Peroxiredoxin from *Meloidogyne Incognita*. **Paper communicated** with Journal of Parasitic Diseases.
- 3) **Somnath Waghmare** (2020) Immunoinformatic approach for development of synthetic peptide vaccine from translationally controlled tumor protein of *Brugia malayi*. **Bulletin of Pure & Applied Sciences-Zoology**. Print version ISSN 0970 0765 Online version ISSN 2320 3188, Vol.39A (Zoology), No.1, January-June 2020: P.143-151. DOI 10.5958/2320-3188.2020.00017.0
- 4) **Somnath Waghmare** (2020) In Silico Characterization of Glutathione-S-transferase from Genus *Trichinella*. **Bulletin of Pure & Applied Sciences-Zoology**. Print version ISSN 0970 0765 Online version ISSN 2320 3188, Vol.39A (Zoology), No.2, July - December 2020: P.261-271. DOI 10.5958/2320-3188.2020.00029.7
- 5) **Somnath Waghmare** (2016) Rediscription of *Cotugnia digonopora* (Pasquale 1890) (Cestoda- Davaineidea) from *Gallus gallus domesticus*. **Asian Journal of Multidisciplinary studies**. Vol.4 Issue.3 Feb. 2016. ISSN: 2321-8819 (online), 2348-7186 (Print), **Impact factor: 1.498**.
- 6) Waghmare S, Gomase V (2016) Ab initio Structural Insights and Functional Analysis of Thioredoxin Glutathione Reductase from *Schistosoma japonicum*. **J Appl Bioinform Comput Biol** 5:2. doi:10.4172/2329-9533.1000126
- 7) **Somnath Waghmare**, Anant Sherkhane, Virendra Gomase (2015)- Computational mapping of MHC class binding nonamers from Fatty-acid and retinol-binding protein 1 of *Brugia malayi*. **Journal of Basic Sciences**, 1, 45-53. ISSN 2395-1265
- 8) **Somnath Waghmare**, Abhishek Buxi, Yogesh Nandurkar, Anil Shelke (2014) In silico Sequence Analysis, Homology Modeling and Function Annotation of leishmanolysin from *Leishmania donovani*. **Journal of Parasitic Diseases**. DOI. 10.1007/s12639-015-0665-1. Print ISSN- 0971-7196, Online ISSN- 0975-0703. Publisher-Springer.
- 9) Sherkhane AS, **Waghmare Somnath** and Gomase VS (2014) Identification of Antigenic Determinants, Solvent Accessibility and MHC Binders of *Peb1a* from *Campylobacter jejuni*. **J Bacteriol Parasitol** ISSN: 2155-9597, 5: 193. doi:10.4172/2155-9597.1000193. **Impact Factor: 1.74***.
- 10) **Somnath Waghmare**, Sherkhane AS, Ramrao Chavan and Virendra Gomase (2014) Rediscription on *Raillietina echinobothrida* (Pasquale, 1890) (Cestoda: Davaineidae) and Study of Conserved Domain across Divergent Phylogenetic Lineages of Class Cestoda. **J Veterinar Sci Technol** ISSN: 2157-7579: 5: 187. doi:10.4172/2157-7579.1000187. **Impact Factor: 0.89***

- 11) Sherkhane A S, **Waghmare Somnath** and Gomase VS (2014) Study of Conserved Domain across Divergent Phylogenetic Lineages of Long Neurotoxin from Genus *Naja* (Elapidae Family) . **J Phylogen Evolution Biol**: ISSN: 2329-9002 2: 127. doi:10.4172/2329-9002.1000127
- 12) **Somnath Waghmare**, Supugade V.B., Sherkhane A.S., Ramrao Chavan and Virendra Gomase (2014) Description on *Tylocephalum salunkhi n. sp.* (Cestoda: Lecanicephalidea) and study of conserved domain across divergent phylogenetic lineages of class Cestoda. **Journal of Bacteriology & Parasitology**. ISSN: 2155-9597. NLM ID: 101566336 Volume 5 • Issue 5 • 1000203. doi:10.4172/2155-9597.1000203 **Impact Factor: 2.025***.
- 13) **Somnath Waghmare**, Manjeetsingh Arora, (2014) Computational structural and functional analysis of short neuropeptide F from *Tribolium castaneum*. **World Journal of Pharmaceutical Research** ISSN 2277-7105. Volume 3, Issue 10, 1235-1244. **SJIF Impact Factor 5.045 & ICV 5.90**
- 14) **Somnath Waghmare**, Abhishek Buxi, Viren Gomase, Ram Chavan (2013) Homology Modelling of Fatty Acid And Retinoid Binding (Far) Protein From The Filarial Nematode *Acanthocheilonema viteae*. **Drug Invention Today**. ISSN: 0975-7619, 6(1),58-61.
- 15) **Somnath Waghmare**, Dinesh Waghmare and P S Bhatnagar (2013) Species Diversity of Short Horned Grasshopper (*Orthoptera: Acrididae*) in Selected Grasslands of Solapur District, Maharashtra, India. **J Biodivers Endanger Species** ISSN: 2332-2543 JBES an open access journal 1:110. doi:10.4172/jbes.1000110.
- 16) **Somnath Waghmare**, Virendra Gomase (2012) Mapping of MHC class binding nonamers and antigenic epitopes from lipid binding protein of *Schistosoma mansoni*. In proceeding of “**International Conference On Perspective Of Computer Confluence With Science 2012**” ISSN 978-93-82062-76-9 Page No 238-240. Organized by Nowrosjee Wadia College of Arts and Science Pune-1 on 10th to 12th Dec 2012.
- 17) Jaywant Dhole, **Somnath Waghmare** and Ramrao Chavan (2012) Taxonomic Evaluation of a New Fish Tapeworm, *Gangesia shivajiraoi sp. nov.* From a Freshwater Fish *Wallago attu* of Marathwada region (m.s.) India With Revised Key to Species of Genus *Gangesia*. **Trends in Parasitology Research**. ISSN: 2319 – 314X (Print); 2319 – 3158 (Online) Vol. 1 No. 2 .Page 13-21. www.sciencejournal.in
- 18) Changbhale SS, Chitlange NR, Gomase VS, **Somnath Waghmare** and Kale KV (2012) Prediction of Major Histocompatibility Complex Binding Peptides and Epitopes from Neurotoxin of *Mesobuthus tamulus*. **Open Access Scientific Reports** 1: 288. Doi: 10.4172/scientificreports. 288
- 19) Sherkhane A.S., Changbhale S.S., Chitlange N.R., **Somnath Waghmare**, Gomase V.S., Ramrao Chavan And Kale K.V. (2012) Prediction of Major Histocompatibility Complex Binding Peptides and Epitopes from *Naja naja* Cardiotoxin (CTX). **Drug Invention Today**, ISSN: 0975-7619 (**IF 0.64**). 4(8), 435-438. www.ditonline.info.
- 20) **Somnath Waghmare**, Virendra Gomase, Ramrao Chavan and Kale KV (2012):- Prediction of MHC Binding Peptides and Epitopes from Sj-FABP fatty-acid-binding protein of the human blood fluke *Schistosoma japonicum*. **Metabolomics: Open**

Access ISSN: 2153-0769. Volume 2, Issue, 4: 1000113. www.omicsonline.org
<http://dx.doi.org/10.4172/2153-0769.1000113>.

- 21) **Somnath Waghmare**, Virendra Gomase, Jaywant Dhole, Ramrao Chavan and Kale K.V.(2012):- Immunoproteomics approach for development of synthetic peptide vaccine from thioredoxin glutathione reductase. **Metabolomics: Open Access** ISSN: 2153-0769. Volume 2, Issue, 4:1000111. www.omicsonline.org
<http://dx.doi.org/10.4172/2153-0769.1000111>.
- 22) Jaywnat Dhole, **Somanth Waghmare**, Yogesh Reddy and Ramrao Chavan (2012):- Morphotaxonomic observations of *Uncibilocularis plagiosumae* Sp. Nov. from a marine fish *Chiloscyllium plagiosum* at Ratnagiri District (M.S.) India. **International Journal of Pharmaceutical & Biological Archives**. ISSN- 0976-3333. Volume 3 Issue (2); 291-294. www.ijpba.info.
- 23) Girish Waghmare, **Somnath Waghmare**, Ramrao Chavan, Dhanraj Mane (2011):- Neutrophils response in mice to low level gamma irradiation and their protection by liv.52. **Research Journal of Pharmaceutical, Biological and Chemical Sciences** (IC Value - 4.62) Volume 3 Issue 1; 180-184. www.rjpbcs.com.
- 24) Kalim Shaikh, **Waghmare Somnath**, Pardeshi Karuna (2012):-Haematological studies of rat infected with *hymenolepis* (cestoda). **Research Journal of Pharmaceutical, Biological and Chemical Sciences**. ISSN 0975- 8585 Imp Factor 0.35 Vol.3, Issue (1)176-179. www.rjpbcs.com.
- 25) Shaikh Kalim, Chaudhary H.S., **Waghmare Somnath** and Bhure Dhanraj (2011):- Taxonomic observation of a new species of the genus *Moniezea blanchard*, 1891 from *Capra hircus* Linnaeus, 1758. **International Journal of Pharmaceutical & Biological Archive (IC Value 4.07)** Vol 2, Issue (5) :1410-1414. www.ijpba.info.
- 26) Girish Waghmare, **Somnath Waghmare**, Ramrao Chavan, Dhanraj Mane (2011):- Leucocytes response in mice to low level gamma irradiation and their protection by liv.52. **Journal of Bioscience and Technology** ISSN: 0976-0172. Vol 2, Issue 5,405-409. www.jbstonline.com.
- 27) **Waghmare Somnath**, Dhole Jaywant, Shabbir Yasin Shaha R.J. Chavan(2011):- In Silico Homology Modeling of Thymidylate synthase from the nematode *Trichenilla spiralis*. **Drug Invention Today (IF 0.64)** Vol. 3, Issue 8, 183-185. www.ditonline.info.
- 28) Dhole J.S. Jawale S.S. **Waghmare S.B.** and Chavan R.J. (2010):- Survey of helminth parasites in freshwater fishes from Marathwada region, MS, India. **Journal Fishries and Aquaculture**. ISSN: 0976-9927 (Print) E-ISSN: 0976-9935 (Online) Vol 1, Issue 1, Issue 1, 01-07. www.bioinfo.in.
- 29) Bhure D.B. **Waghmare S.B.** kasar C.R. and Shaikh K.M. (2010):- Taxonomic Observation of the Caryophyllidean Tapeworm *Lytocestus* Cohn, 1908 from *Clarias batrachus* (Linnaeus, 1758). **Journal of Ecology and Environment**. ISSN : 0976-9900 (Print) E-ISSN : 0976-9919 (Online) Vol 1, Issue 1, Issue 1, 01-06. www.bioinfo.in.
- 30) **Waghmare S.B.**, Gomase V.S. and Chavan R.J. (2010):- Study of protein metabolism of *Gallus gallus domesticus* (Linn, 1758) infected by *Raillietina* (*Eucestoda*). **International Journal of Parasitology Research** ISSN: 0975-3702. Vol.2, Issue 1, 05-08. www.bioinfo.in.

- 31) **Waghmare S.B.** and Chavan R.J. (2010):- Some quantitative studies of carbohydrate metabolites in cestode parasite of *Gallus gallus domesticus*. **International Journal of Parasitology Research** ISSN: 0975-3702. Vol.2, Issue 1, 01-04. www.bioinfo.in.
- 32) Gomase V. S., Gagnani Namrata, Sherkhane A. S. & **Waghmare S. B.** (2009):- Prediction of MHC binding peptides and antigenic epitopes from Barley *Yellow dwarf* virus. **International Journal of Biotechnology Research**. Vol.2, Issue 1, 59-61. www.bioinfo.in.
- 33) Gomase V.S., Phadnis A.C. and **Waghmare Somnath**. (2009):- Proteomics based prediction of antigenicity of iberitoxin from eastern Indian scorpion. **International Journal of Drug Discovery**. ISSN- 0975-914X (I C Value 4.48) Vol.1 Issue 1, 10-13. www.bioinfo.in.
- 34) **S.B. Waghmare**, N.D.Padwal and B.V. Jadhav.(2009):- Effect of deproteinizing agents on biochemical variability of total protein in *Cotugnia digonopora*. **International Journal of Pharmaceuticals Analysis**. ISSN: 0975-3079. Vol 1, Issue 1, 01-06. www.bioinfo.in.
- 35) Virendra S Gomase, **Somnath B Waghmare**, Baba Jadhav, Karbhari V Kale. (2009):- Functional analysis of the binding ability of Neuropeptide F (NPF) from *Moniezia expansa*. **Gene Therapy and Molecular Biology**.ISSN (Print 1529-9120; Online 1543-9143) [**Imp Factor- 2.704**], Vol. 13. 64-70. www.gtmb.org
- 36) Virendra S Gomase, **Somnath B Waghmare**, Baba Jadhav, Karbhari Kale. (2009):- Mapping of MHC class binding nonamers from lipid binding protein of *Ascaridia galli*. **Gene Therapy and Molecular Biology**. ISSN (Print 1529-9120; Online 1543-9143) [**Imp Factor- 2.704**], Vol. 13. 10-14. www.gtmb.org
- 37) **Somnath B. Waghmare**, G.H.Balde S.S.Nanware B.V.Jadhav (2008):- Nucleic acids in the Cestode *Cotugnia* (Diamare, 1893) in *Gallus gallus domesticus*. **National Journal of Life Sciences**. ISSN no -0972-975X; eISSN- 2321-7960; Vol. 5, Issue 3, 73-75.
- 38) B.V. Jadhav, D.B. Bhure, N.D. Padwal G.H. Balde and **S.B. Waghmare** (2007):- Studies on cestode parasites of *Gallus gallus domesticus* from Marathawada Region, M.S, India. **Proceeding of National Workshop on Recent Trends in Biotechnology**. Held At L.B.S. College Satara, Maharashtra. 96-99.

Invited talks

1. Deliver a lecture on “New Trends in Cestode Research” in one day state level seminar organised by Department of Zoology, R.G. Shinde College, Paranda, Maharashtra.
2. Deliver a lecture on “Biological Databases” during ABHYAS MAHOTSAV organized by Department of Zoology from 11th to 14th August, 2021.
3. Delivered invited talk in one day national webinar on “Application of Computer intelligence in Biology” Organised by Department of Zoology, Government Degree College, Amarwara, Dist. Chindwara, Madhya Pradesh on 12/10/2021.

RESEARCH PAPER PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS

- 1) **Waghmare S.B.** Bhure D.B. Balde. G.H. and Jadhav B.V.(2008):- Effect of *Bacopamonniera* (Linn) leaves extract on LDH of overictomised mice (*Musmusculus*). **Phytochemicals: A Therapeutant for Critical Disease Management.** Chapter No 09.
- 2) **Waghmare S.B.**Nalawade P.M. Mule M.B. Chavan R.J.(2008):- Studies on effect of *Bacopamonniera*(Linn) leaves extract on heart protein of overictomised mice (*Musmusculus*). **Phytochemicals: A Therapeutant for Critical Disease Management.** Chapter No 22.

7. Conferences/ Workshop attended (Total: 31)

- 1) Regional seminar on “Recent Trends in Biotechnology & Bioinformatics” held at K.B.P. Mahavidyalaya. Pandharpur. Organized by Dept of Zoology. In Feb 2006.
- 2) 19th National Congress of Parasitology and International Conference on Parasitic Diseases .26th-28th Oct-2007 at Visakhapatnam.
- 3) National Conference on “Animal Bio-diversity And Sustainable Development” Organized by Dept of Zoology Shrikrishna Mahavidyalaya, Gunjoti, Dist Osmanabad (M.S.) held on 11th to 12th January 2008.
- 4) National seminar on “Modern concept in Animal Bio-diversity And Biotechnology” Organized by Dept of Zoology Milind college of science, Aurangabad (M.S)-India.held on 21st and 22nd August 2008.
- 5) State level seminar on “Water Crisis In Maharashtra: Pollution, Conservation and Disaster Management For Flood and Drought”. Organized by dept Of Zoology and Botany ACS College Killed DHARUR Dist Beed Held on 20th and 21st November 2008.
- 6) International conference on “Technologies for mitigation of environmental pollution and their application in conservation of aquatic ecosystem” Organized by Dept. of Zoology Dr.B.A.M.University Aurangabad at 11-13 Dec 2008.
- 7) State level seminar on “Recent trends in Biotechnology Biodiversity and environmental aspect” Organized by dept Of Zoology New A.S.C College Parner Dist Ahemednagar.At 19-20 Dec -2008.
- 8) State level conference on “Trends in applied Zoology, Environment and Biotechnology” Organized by Deptt of Zoology, Balasaheb Desai College Patan Dist Satara. At 5-6 Jan 2009.
- 9) National workshop on “Organic farming and agricultural allied businesses”. Organized by Deptt of Zoology, Lal Bahadur Shastri College, Satara. At 23- 24 Jan 2009.
- 10) International Conference on “Advances in Biosciences: From Darwin to Dolly and Beyond...” Organized by the Department of Zoology, Yeshwant Mahavidyalaya Nanded. At 12-14 Feb 2009.
- 11) UGC sponsored state level seminar on “Advances In Biotechnology”. Organised by K.B.P. College Pandharpur. Held on 13th and 14th Feb 2009.
- 12) International Symposium on “Emerging Areas in Biotechnology and Bioengineering” Organized by School of Bioscience and Bioengineering, Indian Institute of Technology Bombay (IITB), Mumbai. At 26-28, Feb 2009.

- 13) National Workshop on “Recent trends in Biotechnology” Organized by Deptt of Zoology, Lal Bahadur Shastri College, Satara. At 28- 29 Mar 2009.
- 14) National Level Seminar on “Biodiversity: Emerging Challenges & Opportunities” at Majalgaon Arts, Commerce & Science College Majalgaon. At 29-30 August 2009.
- 15) “State Level Workshop on Apiculture”. Organized by Dept of Zoology, Dr. B.A.M. University, Aurangabad, on 2-3 Feb. 2010.
- 16) National seminar on “Emerging trends in Biodiversity and Environment”. Organized by Govt. of Maharashtra, Institute of science Aurangabad. At 26 Feb 2010.
- 17) National level Workshop cum Seminar on “Bioresources for Bioindustries and Economic Zoology: Organised by Department of Zoology DBF Dayanand college Solapur held on 24th and 25th Jan 2011.
- 18) National Conference on “Recent Trends In Life Sciences With Special References to Animal Physiology, Biotechnology and Biodiversity”. Organized by P.G. Department of Zoology, S.G.M. College, Karad Dist. Satara (M.S.) held on 19th and 20th Oct 2011.
- 19) UGC-Sponsored National Seminar on Biodiversity: Conservation and Protection. Organized by Department of Zoology, Yeshwantrao Mohite College, Erandwane, Pune-411038. Held on 13th and 14th March, 2012.
- 20) National seminar for college teacher on “How to Prepare and Submit Research Proposals to Various Funding Agencies Shivaji University 5th Feb 2013.
- 21) Participated in one day workshop on “F.Y.B.Sc. Syllabus Restructuring In Zoology Organized By In Association With BOS University of Pune” by Haribhai V. Desai College Pune on 9th Feb 2012.
- 22) Attended the one day workshop on F.Y.B.Sc. book writing organised by Department of Zoology, H.V. Desai college pune during on 29th Oct 2013
- 23) Attended the two days state level workshop on “Hands on training in tools and techniques in Biochemistry and Molecular biology” organised by department of Zoology, K.T.H.M College Nashik during on 25th -26th Oct 2013.
- 24) Attended the 2 days workshop on “Application in Bioinformatics” organised by Advanced Center training Research Education in Cancer (ACTREC) Kharghar Navi Mumbai during 23rd -24th Feb 2014.
- 25) 4th National Workshop on Inslico drug discovery. Organized by RASA Life Sciences and Padmashree Dr.D.Y.Patil Institute of Pharmaceutical science and Research Pimpari on 7th-9th March .
- 26) Attended Bioinformatics workshop “Biomolecular Interactions” Organized by Department of Biotechnology and Bioinformatics, CBD Belapur Padmashree Dr.D.Y.Patil University, Navi Mumbai on 28th- 29th Jan 2014
- 27) Attended the one day workshop on T.Y.B.Sc. Syllabus restructuring organised by Department of Zoology, S.P. College Pune during on 14th Feb 2015.
- 28) Attended the national seminar on “Role of Taxonomy in the conservation of Animals” on 18th, 19th March 2015 organised by Zoological Survey of India Western Regional Centre Pune
- 29) Attended the one week duration workshop on “Microsoft environment world” at Ness Wadia College of Commerce, Pune on 21st -26th Sep 2015.

- 30) Molecular phylogeny workshop at Savitribai Phule Pune University 05-08 January 2016
- 31) Capacity Building Workshop in Nematode Taxonomy, Satellite Symposium on Advances In Nematology 21-30 March 2022. Organised by Department of Zoology, Choudhary Charan Singh University, Meerut.

Paper Presented in Conference / Seminars / Symposia / Workshop etc. (Total- 17)

- 1) “Standardization of ELISA for detection of Infection of cestode parasite in *Gallus gallus domesticus*”. In National Conference on “Animal Bio-diversity And Sustainable Development” Organized by Dept of Zoology Shrikrishna Mahavidyalaya, Gunjoti, Dist Osmanabad (M.S)-India. PP-36.
- 2) “Some quantitative studies of carbohydrate metabolism in Cestode parasite of *Gallus gallus domesticus*”. At 20th National Congress of Parasitology North-Eastern Hill University Shillong (Meghalaya)
- 3) “Biochemical aspects from *Gallus gallus domesticus* with special reference to cestodes” At National Workshop on Biotechnology & Parasitology for Sustenance (NWBPS 2008) at Deptt of Zoology, University of Allahabad, Allahabad. Dec-6-8, 2008.
- 4) “Biodiversity of cestode parasites in *Gallus gallus domesticus* from Marathwada region (M.S.) India.” At national seminar “Biodiversity: Emerging Challenges & Opportunities” organized by Dept of Zoology, Majalgaon A.S.C. College, Majalgaon.
- 5) “Protein metabolism of *Cotugnia shankarae* (Tat and Jadhav, 2004) from *Gallus gallus domesticus* (Linn)”. At International conference on Advances in Biosciences: From Darwin to Dolly & Beyond..... Organized by Dept of Zoology, Yeshwant Mahavidyalaya Nanded, at 12-14 Feb 2009.
- 6) Taxonomic evaluation of a new fish tapeworm, *Gangesia shivajiraoi* Sp. Nov. from a freshwater fish *Wallago attu* of Marathwada Region (M.S.) India with revised key to species of Genus *Gangesia*. In “National conference on Recent Trends in Life Sciences With special Emphasis on Environmental pollution and their Application in Conservation of Aquatic life”. Organized by E.S.Divekar College Varwand (Pune) From 15th to 17th March 2012.
- 7) Mapping of MHC class binding nonamers and antigenic epitopes from lipid binding protein of *Schistosoma mansoni*. In “International Conference On Perspective Of Computer Confluence With Science 2012 organized by Wadia College Pune from 10th to 12th Dec 2012.
- 8) Attended and presented the research paper entitled “Insilico homology modelling *Acanthochoaelonema vitae*”. In National Seminar on “Recent trends in Cell Biology, Biotechnology and Bioinformatics” organised by Department of Zoology, Balwant College Vita on 6th-7th Sept 2013
- 9) Gomase V.S., Changbhale S.S., Chitlange N.R., Waghmare Somnath, Ramrao Chavan and Kale K.V. (2013) Computational intelligence approach for development of synthetic peptide vaccine from LVP1A_Butos antigen protein. National conference on Ecostudies/ Green studies: Perspectives from Literature, Life science & Earth science. Deogiri College, Aurangabad, page no.43.

- 10) Gomase V.S., Changbhale S.S., Chitlange N.R., Waghmare Somnath, Ramrao Chavan and Kale K.V. (2013) Quantitative prediction of MHC binding affinity using support vector machines and amino acid properties. National conference on Ecostudies / Green studies: Perspectives from Literature, Life science & Earth science. Deogiri College, Aurangabad, page no.23.
- 11) Morphotaxonomic Observations of a New Piscean Tapeworm from a Freshwater Fish *Clarias batrachus* of Panchganga River, Kolhapur District (M.S.) India with Revised Key to Species of Genus *Lytocestus*". Proceeding of National Conference UGC Sponsored On "Innovative Ideas and Research in Life Sciences for Sustainable Development" 16th and 17th January 2015
- 12) Application of computational intelligence for structural and functional analysis of Thioredoxin glutathione reductase from *Schistosoma japonicum* a Novel Drug Target" in National Conference on "RECENT ADVANCES IN ZOOLOGY" organized by Department of Zoology, Shankarrao Mohite Mahavidyalaya Akhuj Dist. Solapur, Maharashtra. on 06th and 07th Feb 2015 and got the **First Prize in Oral Paper Presentation.**
- 13) Application of computational intelligence to counter Schistosomiasis in 26th All Indian Congress of Zoology and International symposium on Innovation in Animal Sciences for Food Security, Health Security and Livelihood- 2015, in International conference organised by Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh on 29/10/2015 to 31/10/2015.
- 14) In silico analysis for Tegument protein in national conference on Animal Sciences: Rising to the challenges organised by Department of Zoology, Shri Guru Buddhiswami Mahavidyalaya, Purna on 22/12/2015 and 23/12/2015.
- 15) Redescription of *raillietina digonopora* from *Gallus gallus domesticus* in National conference Animal Dissection- Need and alternatives organised by Dr. B.N. Purandare Arts, Smt. S.G. Gupta Commerce and Science College, Lonawala on 03/02/2017 and 04/02/2017.
- 16) Application of computational intelligence for structural and functional prediction of *Schistosoma mansoni* 22.6 KDA tegument protein: Application in synthetic vaccine design to counter schistosomiasis in national conference organised by PG Dept of Zoology, Modern college of Arts, commerce and science, Ganeshkhind, Pune, on 22nd and 23rd January 2016.
- 17) Sequence analysis, homology modeling and function annotation of Peroxiredoxin from *Meloidogyne incognita*. Capacity Building Workshop in Nematode Taxonomy, Satellite Symposium on Advances In Nematology 21-30 March 2022. Organised by Department of Zoology, Choudhary Charan Singh University, Meerut.

8. Research Project Work:

Research Project Work: Sanctioned Major Research project for three years.

Title of Project/Scheme	Funding agency	Funds received Rs.)	Date of starting	Date of ending	Worked as Principal Investigator/Coinvestigator
Genetic diversity of Fishes from river Bhima Using COI gene I	UGC, New Delhi	14,42,500/-			Principal Investigator

9. Membership

- International Society of Zoological Sciences. Membership NO959-I
- International Society for Environmental Information Sciences, Saskatchewan S4S 3R9, Canada
- Member of Journal's Editorial Board

Editor-in-Chief

International Journal of Parasitology Research ISSN: 0975-3702

Co- Editor-in-Chief

Journal of Fisheries and Aquaculture, ISSN: 0976-9927 & E-ISSN: 0976-9935

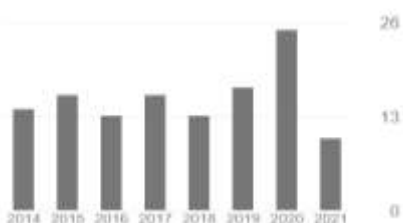
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10. Fellowship - DOCTORAL FELLOWSHIP

2006-2010	Department of Zoology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad .	UGC-JRF- Fellowship Meritorious Student in Science	Research for Gallus gallusdomesticus with special reference to cestodes
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