

BIODATA

(BRIEF INFORMATION)

Name of Faculty: **Dr. Aasidhara Nitish Darvekar**
Head , Assistant Professor –Level 11

Institute: K Z S Science College, Kalmeshwar
<https://www.kzsscollege.edu.in/>

Department: **ZOOLOGY**

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1. Educational Qualification:

Year	Institution Name & Address	Qualification	Subjects	Grade
2000	St. Francis de Sales, Seminary Hills, Nagpur.	B.Sc.	Biochemistry, Chemistry, Zoology.	II Division
2002	R.T.M. Nagpur University, Nagpur.	M.Sc.	Zoology (Entomology)	I Division
2003	CSBR, RTM, Nagpur University, Nagpur.	Diploma in Sericulture	Moriculture & Sericulture	I Division
2007	CSBR, Amba-Vihar, R.T.M. Nagpur University.	Ph.D.	Zoology (Sericulture)	Distinction

- 2. Teaching experience:** UG – 8 years
- 3. Designation:** Asst. Professor Level 11
- 4. Doctorate:** **2007**

Topic: “Studies on the transmission & persistence of Nucleopolyhedrovirus (NPV) during development of silkworm *Bombyx mori* L.” **Guide : Prof.Dr.A.M. Khurad Co-Guide -Dr. M.M.Rai**

Awarded by RTM Nagpur University on 28/08/2007

Place of Research Work: - PGTD- campus R.T.M. , Nagpur University, & **CSBR, Amba-Vihar, R.T.M. Nagpur University.**

5. Field of Research and Interest:

Field of Research: **ECONOMIC ENTOMOLOGY**

Research Interest: *An enthusiastic teacher reaching out to leave an impact en route for Economic Entomology (Sericulture, Apiculture & Lac-culture) on students to realize their aptitudes and achieve best placement. Creating Environmental Consciousness at work for the benefit of Mother Nature and progress of our Country.*

6. Placement : First Placement August 2020 (Level 10- 11)

7. Publications:

7.1. Number of papers published in peer reviewed journals: 19

7.2. Number of papers published in conferences/seminars/symposium:

National: 14

International: 05

7.2. Books Authored: 2 Chapters in B.SC Sem I – Zoology ISBN: 978-81-89178-48-2

CentroTechno Publication, Dhantoli Nagpur (2016)

8. Conferences/seminars/symposiums attended

National/state Conferences/Seminars/Symposiums attended: 10

International Conferences/Seminars/Symposiums attended: 05

9. Guest lecture delivered:

S.No.	Title of Lecture / Academic session	Title of programme	Organized by	National/ State/local level
1.	Sericulture and its Prospects- Feb 2017	Career oriented Certificate Course in Sericulture	Narayanrao Kale Smruti Model College (Arts, Commerce & Science) Karanja (Ghadge), Wardha	National
2.	Mega Science and art exhibition-30 th Nov 2017	Judge for Junior college students	Nagar Parishad high school & higher secondary school, Kalmeshwar	Local
3.	Practical on Analysis of Biological parameters to assess water quality 1 st April 2019	Short term course in water conservation-right to safe & clean water & Diploma course on water conservation & water audit techniques	L.A.D. College Shanker Nagar ,Nagpur	Local
4.	Determination of blood groups wrt to skill development for the School students 24 th December 2019	Skill development Workshop	Municipal school , Kalmeshwar students (73)	Local
5.	Scientific Perspective On Effect of Ozone depletion on the Biosphere 16 th Sep 2021	World Ozone day celebration	Global Society of HSE professionals NGO registered in Ludhiana and with ambassadors from more than 8 counties (150 participants)	International Webinar
6.	Chaired Session I 21 st January 2023	National Conference on Recent trends in Environmental Biodiversity & Sustainable development	Govt. Narmada P.G. College , Narmadapuram Inter University (Madhya Pradesh)	National
7.	Resource person in Training Program, Insects as ecological indicators October 11 th , 2022.	“Biological Monitoring and Bio-assay Studies for EC Conditions: Sampling, Analysis, Data Interpretation and Quality Assurance”	CSIR-NEERI, Nagpur	National

8.	Resource person in the Training Program on Assessment & Identification of Insect fauna as ecological indicators for EIA PROJECTS , December 7 th , 2022.	Ecology & Biodiversity for EIA projects	CSIR-NEERI, Nagpur	National

10. Programme organized in college:

- i. One day workshop on 'Sericulture & Apiculture Techniques' in collaboration with Centre for Sericulture and Biological Pest management Centre , R.T.M.N.U, Nagpur (C.S.B.R) & Dr. BhabhaLokshikshansantha, K.Z.S. Science College, Bramhani-Kalmeshwar on Sunday 1st March 2020
 - ii. Webiner on Rain water Harvesting on 24th July 2021
 - iii. Webiner and Quiz competition on 16th September 2021 on World OZONE DAY
 - iv. Poster competition on 16th September 2020 on World OZONE DAY
- **Award and Honor:**
- 4th Runner up award won by students on Project on Apiculture organized by JSW Foundation, Jindal Vidya Mandir & Nehru Science Centre & Raman Science Centre, Nagpur on 7th January 2023
- i)Ozone Dome with the help cycloxygenase (*Ocimumsactum*-Tulsi)- **First prize winner at 40thChemical Society**, Chemistry Department , Nagpur University , Nagpur, Poster Exhibition competition-2004-05.
- ii)**A. S. Padoley**, M.M. Rai, A. M. Khurad, M.K. Rathod, S. Kanginakudru and J. Nagraju.,(2006) Nucleopolyhedrovirus (NPV) transmission mechanism in the silkworm *Bombyx mori* L. (Oral presentation at VII South Asian Symposium on odonatology& Recent trends in the Zoology 9-11 January 2006). (**Best Paper Award- Rev. S. Hislop Memorial Gold Medal**)
- iii)**A. S. Padoley**, M.M. Rai, A. M. Khurad, M.K. Rathod, S. Kanginakudru and J. Nagraju., (2006) Recombinant Nucleopolyhedrovirus (r BmNPV): A marker for establishing transmission mechanism in the silkworm *Bombyx mori* L. (Poster & Oral Presentation at the second Bio- tech Congress on innovation in Biotechnology and their application 18th -21st December 2006). (**Consolation Prize winner**)
- iv). **A.S. Padoley**, M.M. Rai, A.M. Khurad, M.K. Rathod, S. Kanginakudru and J. Nagraju., (2006), Baculovirus transmission mechanism in the silkworm, *Bombyx mori* L. (Poster & Oral presentation at Avishkar-2006 conducted by RashtrasantTukadojiMaharaj, Napur University 3rd -4th January 2007). (**I prize winner**)

11. Membership of Institute/National/ International Professional/Research Bodies or Communities:

- The Indian Science Congress Association, Kolkata
- Alumni Association PGTD Zoological Society , RTM , Nagpur University
- AASC(Association of advancement of Science & Society), Nagpur

List of Publications

A. Papers Published in Peer Reviewed Journals:

- 1) Rai, M.M., Rathod M. K., **Padole A.**, and Khurad, A.M. (2007) Mosquitoes: Menace to Humanity. In “Defeating the Public Enemy the Mosquito: A Real Challenge” (William, J. S. ed.). **G.M. Press**, Chennai, 24:398-403.
- 2) Rathod MK, **Padole AS** and Rai MM (2010). Effect of Glycine and Ascorbic acid on silk gland protein and economic characters of silkworm, *Bombyx mori*. **Bull. Indian Acad. Sericulture**, 14 (2): 97 – 104.
- 3) Rathod, M.K, Rai, M.M, **A. S. Padoley** and Khurad, A.M (2011) Effect of leaf fortification on consumption and conversion efficiency in the mulberry silkworm, *Bombyx mori* L. **Bull. Indian Acad. Sericulture**, 15(2):83-90.
- 4) M.M.Rai, **A. N. Darvekar***, M.K. Rathod (2015) Effect of Bt toxin on development and cocoon characters of silkworm, *Bombyx mori*. NCRTS 2015. International Journal of Research in Biosciences, Agriculture & Technology, **IJBAT ISSN No. 2347-517X**
- 5) **A.N. Darvekar***, M.M. Rai and M.K. Rathod., (2015) Performance of PM x CSR 2 (Kolar Gold) race of mulberry silkworm, *Bombyx mori* L in the climatic conditions of Vidarbha. **Int. J. Pharmacol. Bio. Sci. Vol. 9 (1) 2015, 41-48. ISSN 0973-6808.**
- 6) **A.N. Darvekar** & S.R Verma (2015). Impacts of stone quarry on Biodiversity and Conservation plans after mine closure as mitigation measures. NCSDGI-15 **Hislopi Journal. ISSN-0976-2124**
- 7) M.M. Rai and **A. N. Darvekar** (2015). Effect of Bt. Toxin on development and cocoon characters of the silkworm, *Bombyx mori* L. **Bulletin Indian Academy of Sericulture**, 19 (1 & 2): 41 – 47. **ISSN 0972-1657.**
- 8) **A.N. Darvekar (2016)**. Assessment of Biodiversity near a limestone mine & conservation plans after mine closure as mitigation measures. Research journey, Multidisciplinary International E – research journal. Special Issue-4 Recent Advances & opportunities in Animal Sciences, 85-93 **ISSN: 2348-7143.**
- 9) Bharati Wadjikar, Archana Masram, M.M. Rai, **Aasidhara Darvekar (2017)**. Monitoring water quality using zooplankton organism as bio-indicators in the well water of Nagpur city (M.H.) India. **IJBAT**, special issue (2), vol-V. **ISSN No. 2317-517X.**
- 10) **A.N. Darvekar** & M.M. Rai (2017). Prevalence of Nucleopolyhedrovirus (BmNPV) in Faeces & progeny of silkworm *Bombyx mori* L. **Bulletin Indian Academy of Sericulture**, Vol 21 (1&2), pp 51-56, **ISSN 0972-1657.** UGC Journal List No.9635 Sr.No.52.
- 11) P.H. Chavhan, D. Sinha, **A.N. Darvekar** & M.M. Rai. (2018). *In Vitro* evaluation of Fe₂SO₄ nanoparticles on viability and development of Ovarian germ cell line Bm-17 of the silkworm *Bombyx mori* L. **Bulletin Indian Academy of Sericulture** Vol 22 (1&2), pp 13-17 **ISSN 0972-1657** UGC Journal List No.9635.
- 12) **A.N. Darvekar**, Hema Shivdasani & M.M. Rai (2018). Evaluation of BmNPV susceptibility to Multi and Bivoltine hybrid races of Silkworm, *Bombyx mori* L. **Bulletin Indian Academy of Sericulture**, Vol.22 (1 & 2); pp 19-26.
- 13) **A. Darvekar**, M.M. Rai, A.M. Khurad and J. Nagaraju. (2020). Histological evidence of BmNPV transmission in F1 progeny of silkworm, *Bombyx mori* L. **Journal of Applied Bioscience** Vol . 46 (1 & 2) pp.56-63. **ISSN 0975-685X.**
- 14) A.N. Darvekar (2020). Occurrence of freshwater zooplankton in Khumari dam spillway and reservoir near Kalmeshwar, MS. , India. **Journal of Applied Bioscience** Vol . 46 (1& 2) pp.83-86. **ISSN 0975-685X**
- 15) K.P. Ganvir & **A.N. Darvekar (2022)**. Bioconversion & Nutritional performance of Black soldier fly, *Hermetia illucens* L. nurtured on chicken & fish market waste (2022) **World Journal of Pharmaceutical & Life Sciences (WJPLS)**, Vol. 8, May Issue 5, pp-93-102.
- 16) H. SHIVDASANI, K.CHANDANKAR, A.DARVEKAR, V.DESHMUKH and M.K.RATHOD (2022). PREVALENCE OF BACTERIA IN THE HIND GUT AND THEIR POSSIBLE ROLE IN CAUSING BACTERIAL DISEASE IN THE SILKWORM, BOMBYX MORI, **Journal of Applied Biosciences**, Vol.48(1):pp- 46-57. **ISSN (Online) 0975-864X** **ISSN (Print) 0975-685X.**
- 17) H. SHIVDASANI, S. PAHURKAR, P. CHAVHAN, V. RAUT, A.DARVEKAR and M. M. RAI (2022). PREVALENCE OF BACTERIA IN NEWLY EMERGED FIRST INSTAR NYMPH AND THEIR ROLE ON DEVELOPMENT OF MIGRATORY LOCUST, LOCUSTA MIGRATORIA (R&F). **Journal of Applied Biosciences**, Vol. 48(1):pp 58-67. **ISSN (Online) 0975-864X** **ISSN (Print) 0975-685X.**

18) Aasidhara Darvekar and Vijay Raut (2022). Studies on diversity, seasonal variation & Zooplankton community of freshwater, Ramadeshwar lake (Hirwa talav) of Tehsil- Ramtek, District- Nagpur, Maharashtra, India. World journal of pharmacy & life sciences, 2022, Vol. 8, (Issue 10, 91-99) ISSN 2454-2229.

19) K.P Ganvir, A.N. Darvekar, V.D. Raut & R. K. Thorat (2022) Effect of locally generated food waste on bioconversion and nutrient parameters of black soldier fly larvae, *Hermetia illucens* L., Journal of Entomology and Zoology Studies, vol 10 issue 6 p108-116 ISSN ONLINE 2320-7078.

B. Papers Published in Conferences/Seminars/Symposium Proceedings:

1. **A.N. Darvekar (2016)**. Assessment of Biodiversity near a limestone mine & conservation plans after mine closure as mitigation measures. Research journey, Multidisciplinary International E – research journal. Special Issue-4 Recent Advances & opportunities in Animal Sciences, 85-93 **ISSN: 2348-7143**.

2. Bharati Wadjikar, Archana Masram, M.M. Rai, **Aasidhara Darvekar (2017)**. Monitoring water quality using zooplankton organism as bioindicators in the well water of Nagpur city (M.H.) India. IJBAT, special issue (2), vol-V. ISSN No. 2317-517X.

3. **A.N. Darvekar (2019)**. Occurrence of Freshwater Zooplankton in two lakes of Kalmeshwar: MS. India. 20th & 21st December 2019. 11th National conference on Solid state Chemistry & Allied areas, organized by Seth Kesarimal Porwal College of Arts, Science and commerce, Kamptee Nagpur.

3. **Aasidhara Darvekar & Karuna Ganvir (2022)** ZOOPLANKTON DIVERSITY IN FRESHWATER OF BOR DAM, WARDHA, MS. Proceeding of International e-Conference on 'Innovations in Science, Technology, Humanities, Management and E- Commerce for Sustainable Rural Development' 14th & 15th March 2022. Anand Niketan College, Warora.

4. **Aasidhara Darvekar & Karuna Ganvir (2022)** Seasonal variation of Zooplankton diversity in lentic water of Bor Dam, Wardha, MS. National Conference on Basic and Advances in Biological Sciences 8th & 9th April 2022 organized by Dada Ramchand Bakhru Sindhu Mahavidyalaya, Nagpur.

5. **Aasidhara Darvekar** and Vijay Raut (2023). Studies on Diversity and Zooplankton community of Mogarkasa Talav, Tehsil – Ramtek, District- Nagpur, Maharashtra, India. A National Conference on "New Frontiers of Biological Sciences" organized by Internal Quality Assurance Cell and Biological Society. Shri Shivaji Education Society Amravati's Science College Pauni Dist. Bhandara (M. S.) Date: 28th April 2023