



- **Name: Dr. Anilkumar Pardeshi**
- **Qualification:** M.Sc. B. Ed. Ph.D.
- **Specialization:** Entomology
- **Designation:** Professor and Head
- **Experience:** 22 Years
- **Email id:** [pardeshianilkumar@gmail.com](mailto:pardeshianilkumar@gmail.com)
- **Contact number:** 9423153402
- **Research area of interest:** Biopesticide, Insect Taxonomy, Insect Physiology, Applied Entomology.
- **Research students: (Working) : 02**
- **Awarded Students (Ph.D.) : 06**

#### Details of Research guidance

| Sr. No. | Name of Student            | Date of Registration | Name of Topic  | Status  |
|---------|----------------------------|----------------------|--|---|
| 1.      | Ms. Meenakhi Ramling Gapat | 2007                 | Ascorbate effect on nickel and copper induced physiological alterations in the freshwater bivalve, <i>Lamellidens corianus</i> | <b>Awarded Ph.D. 20<sup>th</sup> October 2012</b> |
| 2.      | Ms. Priti N. Bajad         | 12 Aug 2012          | “Impact of Natural Saponin as Bioactive agent for the control of <i>Callosobruchus chinensis</i> ”                             | Awarded 7.03.2017                                 |
| 3.      | Ms. Pratibha N. Jadhav     | July 2013            | Screening of some endophytic fungal extract for insecticidal activity against, <i>Callosobruchus chinensis</i>                 | Awarded 9.5.2018                                  |
| 4.      | Ms. Manisha Gadewad        | July 2013            | Bioinsectidal effect of plant extracts containing phytoecdysteroid against Red Cotton Bug, <i>Dysdercus cingulatus</i> ”       | Awarded 23.02.2019                                |
| 5.      | Mr. Vivek G. Kalane        | Dec. 2014            | Bioinsecticidal activity of entomopathogenic bacteria against  | Awarded 11.01.2020                                |

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|----|---------------------------------|-----------|---|-----------------------|
|    |                                 |           | <i>Spodoptera litura</i> Fab.<br>(Lepidoptera: Noctuidae)   |                       |
| 6. | Mr. Suryabhan<br>Bhivaji Barge  | Dec. 2014 | Growth promoting effect of plant extracts on larval and economic performance of silkworm, <i>Bombyx mori</i> L.<br>(Lepidoptera: Bombycidae ) | Awarded<br>10.01.2020 |
| 7. | Mr. Ganesh Jagdish<br>Nagare    | Dec. 2014 | Termiticidal activity of some plant extracts against <i>Odontotermes obesus</i> Ramb.<br>(Isoptera: Termitidae)                               | In progress           |
| 8. | Mr. Dhairyasheel<br>Sunil Vetal | Dec. 2014 | Biological activity of plant extracts against <i>Spodoptera litura</i> Fab.<br>(Lepidoptera: Noctuidae)                                       | In progress           |

### Details of Research publications

| Sr. No. | Authors                        | Title with page Nos.  | Name of Journal   | Volume and issue no. | Year | Level    | ISSN/IS BN No. | Impact Factor/ UGC approved |
|---------|--------------------------------|---|-------------------|----------------------|------|----------|----------------|-----------------------------|
| 1.      | Pardeshi A. B. & Zambare S. P. | Ascorbic Acid contents of different body components in relation to reproduction of the freshwater bivalve, <i>Parreysia cylindrical</i> : 157-160 | J. Aqua. Biol.    | Vol. 20(2),          | 2005 | National |                | Peer reviewed               |
| 2.      | Pardeshi A. B. & Zambare S. P. | Bioaccumulation of Zinc in different tissues of <i>Parreysia cylindrical</i> after acute and chronic exposure to Zinc Chloride, 30-32.            | Research Link-38, | Vol.V I (3)          | 2007 | National | 0973-1628      | UGC (48985)<br>2.782        |
| 3.      | Pardeshi A. B. & Zambare S. P. | Oxygen consumption under mercury and zinc stress in <i>Parreysia cylindrical</i> , 10-11.   | Research Link-39, | Vol-VI(4)            | 2007 | National | 0973-1628      | UGC (48985)<br>2.782        |
| 4.      | Pardeshi A. B. & Patil R. P.   | Studies on physico-chemical parameters in Narangi-Sarangi Dam, Vaijapur, Dist. Aurangabad, 14-15.   | Research Link-39, | Vol. VI(4)           | 2007 | National | 0973-1628      | UGC (48985)<br>2.782        |
| 5.      | Pardeshi A. B. & Zambare S. P. | Bioaccumulation of mercury in different tissues of <i>Parreysia cylindrical</i> after acute and chronic exposure to mercuric chloride, 193-197.   | J. Aqua. Biol.,   | Vol. 22(1)           | 2007 | National |                | Peer reviewed               |
| 6.      | Pardeshi                       | Role of Ascorbic acid on  | Research Link-    | Vol.-                | 2007 | National | 0973-          | UGC                         |

|     |                                    |   |  |        |              |               |                |                      |
|-----|------------------------------------|---|--|--------|--------------|---------------|----------------|----------------------|
|     | A. B. & Zambare S. P.              | Endosulfan induced alterations in the protein levels of the freshwater fish, <i>Channa orientalis</i> (Schneider), 14-17.   | 40,  | VI (5) |              |               | 1628.          | (48985)<br>2.782     |
| 7.  | Pardeshi A. B. & Zambare S. P.     | Heavy metal (Hg and Zn) induced alteration in enzyme activity of hepatopancreas of the freshwater bivalve, <i>P. cylindrica</i> , 603-608.  | Recent trends in Biodiversity and Biotech.           |        | 2007         |               |                |                      |
| 8.  | Pardeshi A. B. & Zambare S. P.     | Biodiversity of Swallow tailed butterflies from Aurangabad city area of Maharashtra, India, 657-662..   | Recent trends in Biodiversity and Biotech.           |        | 2007         |               |                |                      |
| 9.  | Sharma, Vaijagiri & Pardeshi A. B. | Bioprospection of some plants for management of <i>Aedes egypti</i> L., 44-47.  | Current Botany,                                      | 2 (4)  | 2011         | National      | 2220-4822.     | Peer Reviewed        |
| 10. | Sharma, Vaijagiri & Pardeshi A. B. | Bioactivity of some medicinal plant extracts against <i>Musca domestica</i> L., 14-16.  | Journal of Ecobiotechnology,                         | 3(9)   | 2011.        | National      | 2077-0464      | Peer Reviewed        |
| 11. | Pardeshi A. B. & Gapat minakshi    | Ascorbate effect on protein content during Nickel intoxication in the freshwater bivalve, <i>Lamellidens corrianus</i> , 270 -274.  | Journal of Bioscience Discoverry                     | 3(2)   | 2012         | National      | 2229-3469      | UGC (14868)<br>0.388 |
| 12. | Pardeshi A. B. & Bajad P. N.       | Biopesticidal effect of <i>Nerium indicum</i> bark extract on pulse beetle, <i>Callosobruchus chinensis</i> (Lin.), 122-125.  | DAV International journal of Science                 | 1(2)   | 2012         | International | ISSN-2277-5641 | Peer reviewed        |
| 13. | Pardeshi A. B. & Zambare S. P.     | Effect of L ascorbic acid on the glycogen contents during Hg intoxication in the freshwater bivalves, <i>P. cylindrica</i> , 190-194.   | Journal of Advanced Laboratory Research in Biology   | 3(3)   | July 2012    | National      | 0976-7614      | UGC (48562)          |
| 14. | Pardeshi A. B. & Barge S. B.       | Effect of <i>Xanthium indicum</i> Linn. Plant extract on the economic Parameters of silkworm, <i>Bombyx mori</i> L., 683-686.   | International Journal of Recent Scientific Research, | 5(3)   | March 2014   | International | 0976-3031      | UGC (46629)<br>7.383 |
| 15. | Pardeshi A. B. & Barge S. B.       | The effect of nutritional supplementation with <i>Amaranthus hybridus</i> Linn. Extract on economic performance of mulberry silkworm, <i>Bombyx mori</i> L., 272-276,                   | Scholars Academic Journal of Biosciences (SAJB),     | 2(4)   | 2014         | National      | 2347-9515      | 0.87                 |
| 16. | Pardeshi A. B. & Bajad P. N.       | Biopesticidal effect of natural saponin containing plant extract of <i>Acacia concinna</i> on pulse beeter, <i>Callosobruchus chinensis</i> Linn. (Coleoptera: Bruchidae), 39698-39701. | International Journal of Current Research            | 8(10)  | October 2016 | International | 0975-833X      | 7.617                |

|     |                               |  |   |        |            |               |             |                      |
|-----|-------------------------------|--|---|--------|------------|---------------|-------------|----------------------|
| 17. | Pardeshi A. B. & Bajad P. N.  | Qualitative and Quantitative Analysis of Saponin as Bioactive Agent of <i>Sapindus emarginatus</i> . 351-354   | International Journal of Science and Research (IJSR)        | 5(10)  | 2013       | International | 2319-7064   | 7.296                |
| 18. | Pardeshi A. B.                | Protein contents in different body components in relation to reproduction of the freshwater bivalve, <i>Parreysia cylindrica</i> , 478-482.                                | Journal of Bioscience Discovery                             | 8(3)   | July-2017. | National      | 2229-3469   | UGC (14868)<br>3.42  |
| 19. | Pardeshi A. B. & Barge S. B.  | Impact of oral supplementation of <i>Alternanthera sessilis</i> plant extract on the economic parameters of silkworm, <i>Bombyx mori</i> L., 596-601.                      | Journal of Bioscience Discovery                             | 8(3)   | July-2017. | National      | 2229-3469   | UGC (14868)<br>3.42  |
| 20. | Pardeshi A. B. & Jadhav P. N. | Insecticidal activity of endophytic fungal extract of <i>Jatropha curcas</i> against <i>Callosobruchus chinensis</i> (Coleoptera: Bruchidae), 556-562.                     | Journal of Bioscience Discovery                             | 8(3)   | July-2017. | National      | 2229-3469   | UGC (14868)<br>3.42  |
| 21. | Pardeshi A. B. & Bajad P. N.  | Screening of endophytic fungal extract of <i>Calotropis procera</i> for insecticidal activity against <i>Callosobruchus chinensis</i> L. (Coleoptera: Bruchidae), 927-931. | Journal of Entomology and Zoology Studies                   | 5(4)   | 2017       | International | 2320-7078   | 0.555                |
| 22. | Pardeshi A. B. & Bajad P. N.  | Insecticidal Efficacy Of Endophytic Fungal Extract Of <i>Annona Squamosa</i> Against <i>Callosobruchus Chinensis</i> (Coleoptera: Bruchidae), 415-422.                     | Flora and Fauna International journal of Biological Science | 23 (2) | 2017       | International | 2456-9364   | UGC                  |
| 23. | Pardeshi A. B. & Bajad P. N.  | Bioinsecticidal Effect Of Endophytic Fungal Extract Of <i>Azadirachta Indica</i> Against <i>Callosobruchus Chinensis</i> Linn. (Coleoptera : Bruchidae), 157-161.          | National Journal of Life Sciences                           | 14(2)  | 2017       | National      | 0972-995X   | Peer reviewed        |
| 24. | Pardeshi A. B. & Gadewad M.   | Insecticidal Activity Of <i>Chrysanthemum Indicum</i> Against Red Cotton Bug, <i>Dysdercus Cingulatus</i> Fab., 22380-22383.   | International Journal of Recent Scientific Research         | 8(12)  | 2017       | International | 0976-3031   | UGC (46629)<br>7.383 |
| 25. | Pardeshi A. B. & Gadewad M.   | Bioinsecticidal effect of <i>Sida acuta</i> plant extract against red cotton bug, <i>Dysdercus Cingulatus</i> Fab., 177-181  | International Journal of Zoology Studies                    | 3(1)   | 2018       | International | 2455-7269   | UGC (64528)<br>5.14  |
| 26. | Pardeshi A. B. & Barge S. B.  | Influence of dietary supplementation of <i>Sida acuta</i> plant extract on the mulberry silkworm, <i>Bombyx mori</i> L., 199-202.  | International Journal of Zoology Studies                    | 3(2)   | April-2018 | International | 2455-7269   | UGC (64528)<br>5.14  |
| 27. | Pardeshi A. B. &              | Larvicidal effect of <i>Staphylococcus vitulinus</i>   | Journal of Pharmacognos                                     | 7(3)   | June-2018  | International | E-2278-4136 | UGC (45051)          |

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|-----|--|--|--|---------|------------|---------------|----------------------------------|---------------------------|
|     | Kalane V.                              | bacteria against <i>Spodoptera litura</i> Fab., 3054-3057.   | y and Phytochemistry                                       |         |            |               | P-2349-8234                      | GIF-0.255 ICV-5.52        |
| 28. | Pardeshi A B. & Kalane V.              | Isolation, Characterization And Insecticidal Potential of <i>Bacillus subtilis</i> And <i>Staphylococcus vitulinus</i> Against <i>Spodoptera litura</i> , 2487-2492.             | International Journal of Current Research in Life Sciences | 7(7)    | July, 2018 | International | 2319-9490                        | UGC (47847)<br>5.379      |
| 29. | Pardeshi A B. & Gadewad M.             | Bioefficacy of <i>Achyranthes aspera</i> against red cotton bug, <i>Dysdercus cingulatus</i> Fab., 21-25.  | National Journal of Life Science                           | 15(1)   | 2018       | National      | 0972-995X                        | UGC                       |
| 30. | Pardeshi A B. & Barge S. B.            | Influence of phytoecdysteroids isolated from <i>Coix aquatica</i> on cocoon characteristics of silkworm <i>Bombyx mori</i> L. , 389-393  | The Pharma Innovation Journal                              | 8(3)    | March 2019 | International | (E): 2277-7695<br>(P): 2349-8242 | UGC (46096)               |
| 31. | Pardeshi A B., Bajad P. N. & Pagore V. | Extraction, Isolation And Quantification Of Saponin From <i>Dodonaea viscosa</i> Jacq., 41-44.   | The Pharma Innovation Journal                              | 8(5)    | April 2019 | International | (E): 2277-7695                   | UGC (46096)               |
| 32. | Pardeshi A B. & Vetal D.               | Larvicidal Activity Of <i>Ipomoea Carnea</i> Jace. Plant Extracts against <i>Spodoptera litura</i> FAB., 3108-3111.  | International Journal of Current Research in Life Sciences | 8(5)    | May 2019   | International | 2319-9490                        | UGC (47847)<br>5.379      |
| 33. | Pardeshi A B. & Vetal D.               | Insecticidal potential of ethanol and hexane solvent seed extract of <i>Annona squamosa</i> against <i>Spodoptera litura</i> Fab., 842-845.                                      | Journal of Pharmacognosy and Phytochemistry                | 8(3)    | May 2019   | International | E: 2278-4136<br>P:- 2349-8234    | UGC (45051)               |
| 34. | Pardeshi A B., Reddy Y. & Jadhav U.    | Application of correlation techniques of image processing database for snakes identification, 167-172.   | International Journal of Life Sciences Research            | 7(2)    | June 2019  | International | 2348-313X<br>(P) 2348-3148 (o)   | UGC(44761)                |
| 35. | Pardeshi A B. & Nagare G.              | Efficacy of plant extracts of <i>Semicarpus anacardium</i> against indian white termite, <i>Odontotermes obesus</i> under laboratory conditions (Isoptera: Termitidae),. 412-415 | International Journal of Current Agricultural Sciences     | 9(6)    | June 2019  | International | 2277-1026                        | UGC (64730)               |
| 36. | Pardeshi A B. & Nagare G.              | Anti-termite efficacy of <i>Argemone mexicana</i> L. for the control of Indian white termite, <i>Odontotermes obesus</i> (Ramb.), 3875-33879.                                    | International Journal of Recent Scientific Research        | 10(7)   | July 2019  | International | 0976-3031                        | UGC(49336)                |
| 37. | Pardeshi A B., Bajad                   | Natural saponin in <i>Sapindus emarginatus</i> controls the protein loss in <i>Phaseolus</i>   | Think India Journal  | Vol. 22 | Dec. 2019  | National      | 0971-1260                        | UGC care approved journal |

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|-----|--------------------------------------|---|---------------------|---------|-----------|----------|-----------|---------------------------|
|     | P.& Pagre V.                         | aconitifolius grains caused by Callosobruchus chinensis ,536-543.                               |                     |         |           |          |           |                           |
| 38. | Pardeshi A B. Jadhav S. & Gadewad M. | Biopesticidal activity of Cassia tora L. against Red cotton bug, Dysdercus cingulatus, 527-535. | Think India Journal | Vol. 22 | Dec. 2019 | National | 0971-1260 | UGC care Approved journal |

### Research projects completed/ongoing:

| Project Name  | Major/Minor | Funding Agency            | Fund Mobilised | Commencement Date | Completion Date | Worked as              | Status    |
|---|-------------|---------------------------|----------------|-------------------|-----------------|------------------------|-----------|
| Bioactive compounds of plant origin to improve quality and quantity of silk in <i>Bombyx mori</i> .                           | Major       | UGC                       | 10,40,161      | 1.02.2011         | 31.01.2014      | Principal Investigator | Completed |
| Insecticidal potential of some botanicals from family Convolvulaceae against pulse beetle, <i>Callasobruchus chinensis</i> L. | Minor       | Dr. B. A. M. Univ., A'bad | 50.000         | 24.06.2019        | In progress     | Principal Investigator | Ongoing   |

### Books, Chapters, Articles etc. published

| Publication Type                          | Title of Book  | Publisher Details   | Book ISSN/ISBN    | Published Year | Sole/ Co-author |
|---|--|---------------------|-------------------|----------------|-----------------|
| Book                                      | General and Economic Entomology                        | Oxford Book Company | 9769350303108     | 2016           | Author          |
| Book                                      | Applied Forensic Entomology                            | Oxford Book Company | 9769350303108     | 2017           | Author          |
| Article                                   | Advances in Life Science and Human Welfare             |                     | 978-93-85426-28-5 | 18.2.17        | Co-author       |
| Special issue of National conference Book | Emerging Trans-Disciplinary Approaches in Bio-Sciences | Think India Journal | 097101260         | Dec. 2019      | Co-Editor       |

**Awards / Honors /Fellowship:**

| <b>Sr. No</b> | <b>Titles of the Fellowship/ Award</b>  | <b>Organization of Professional/ academic body</b>   | <b>International/ National/ State/ University Level</b> | <b>Remarks</b>   |
|---------------|---|--|---|--|
| 1.            | <b>Best Senior Teacher Award</b>        | 6 <sup>th</sup> Biopesticide International Conference (BIOCICON-2019) organized by St. Xaviers College, Palayamkotai and Amity University, Raipur<br>Date: 6 <sup>th</sup> March, 2019 | International   | For outstanding achievement in Ecofriendly Pest Management.                          |
| 2.            | <b>Recognition Award</b>                | Society of Life Sciences organized VII Annual Session and International Conference at Dept of Biotechnology, AKS University, Satna MP<br>5-7 April, 2019                               | International   | For outstanding academic contribution and achievements in the field of Life Science. |
| 3.            | <b>Scientist of The Year 2018 Award</b> | International Academy of Science and Research, Kolkatta organized felicitation at S. B. E. S. College, Aurangabad<br>29 <sup>th</sup> July, 2019                                       | International   | For outstanding contribution in the areas of Zoology.                                |
| 4.            | <b>F. S. L. Sc.</b>                     | Society of Life Sciences, Satna<br>Since, 16.08.2012   | National  | -  |
| 5.            | <b>Life Member</b>                      | International Academy of Science and Research, Kolkatta  | International   | -  |