

CURRICULUM VITAE OF
DR. GEETANJALI MISHRA

- 1. Name** : Dr. Geetanjali Mishra
- 2. Present Position** : Associate Professor (Stage 3: AGP 9000)
- 3. Address of Correspondence** : Department of Zoology, University of Lucknow, Lucknow-226 007; Mobile: +91-9415956692;
E-Mail: geetanjalmishra@hotmail.com;
geetanjalmishra@gmail.com
- 4. Date of Birth** : 06 May 1978
- 5. Educational Qualifications** : M.Sc., CSIR NET (JRF), Ph.D.

Degree	Institution	Year	Percentage	Special Mention
Ph.D.	University of Lucknow	2004	NA	NA
NET	CSIR NET-JRF	2001	NA	NA
M.Sc.	University of Lucknow	2000	71.2	Gold Medallist
B.Sc.	Jiwaji University	1998	63.7	First Division
10+2	CBSE	1995	76.8	First Division
10	CBSE	1993	79.6	First Division (top 1/8th scorer in 4 subjects out of 5)

- 6. Teaching Experience** : >10 years + 15 months as Scientist Gr. IV (1) at CDRI, Lucknow
- 7. Research Experience** : 18 years.
- 8. Broad Area of Research** : Zoology: Entomology, Insect Ecology, Insect Behaviour, Behavioural evolution
- 9. Positions held:**
(i) **Scientist Gr. IV (I)**, Division of Endocrinology, Central Drug Research Institute, Lucknow
- 10. Fellowships awarded:**

International

- (i) **COMMONWEALTH ACADEMIC FELLOWSHIP (2014)**: visited Prof. Tom Tregenza, Centre for Ecology & Conservation, University of Exeter, UK from September 21- December 20, 2014.

National

- (i) **Research Associate** (C.S.I.R., New Delhi): April 1, 2005- April 26, 2006.
- (ii) **Junior and Senior Research Fellow** (CSIR, New Delhi): January 1, 2002- March 31, 2005 Through CSIR NET examination.

11. Awards Received

- (i) **Appreciation Medal** by Zoological Society of India (2011).
- (ii) **Prof. K.N. Bhal Gold Medal** for first position in M.Sc. (Zoology), from University of Lucknow.

12. Patents

- (i) **Geetanjali Mishra**, Maurya Rakesh, Rawat Preeti, Sharan Kunal, Siddiqui Jawed, Swarnkar Gaurav, Manickavasagam Lakshmi, Arya Kamal, Ram, Chattopadhyay Naibedy): **WO/2009/110003 dated 11/09/2009** Novel Flavonol Compounds, A Bioactive Extract/Fraction From *Ulmus wallichiana* And Its Compounds For Prevention For Treatment Of Osteo-Health Related Disorders

13. International Collaborators

- (i) **Prof. J. P. Michaud**, Department of Entomology, Kansas State University, Research Station, Hays, Kansas, USA visited *w.e.f.* April 21—27, 2012.
- (ii) **Prof. Tom Tregenza**, Centre for Ecology & Conservation, University of Exeter, UK
- (iii) **Prof. D. J. Hosken**, Centre for Ecology & Conservation, University of Exeter, UK
- (iv) **Ms. Sarah Paul**, Centre for Ecology & Conservation, University of Exeter, UK, Pursuing a part of her doctoral work in my laboratory as a **Newton Bhabha Ph.D. Fellow (March 07- June 07, 2016)**.

14. International Visits

Year	Country	Place	Purpose
2009	USA	California State University, Long Beach	IITEP Program the University of Lucknow and California State University, Long Beach
2014	USA	New York State University, New York	<i>The XV Congress of the International Society for Behavioral Ecology, New York University, New York (Oral Paper Presentation)</i>
2014	UK	University of Exeter, Penryn Campus	COMMONWEALTH ACADEMIC FELLOWSHIP

15. Editorial Experience

- (i) Associate Editor, *Journal of Applied Bioscience*.
- (ii) **Reviewer**
 - (a) *International Journal of Tropical Insect Science*, Cambridge University Press.
 - (b) *Bulletin of Entomological Research*, Cambridge University Press
 - (c) *Biological Control*, Elsevier
 - (d) PLOS One
 - (e) Springer Plus
 - (f) National Science Centre, Poland

16. Proceedings/ Technical Bulletin: (02)

- (i) **Modern Approaches to Insect Pest Management** (2010) (eds. Omkar, **Mishra, G.** and Kalpana Singh) Centre of Excellence, Department of Zoology, University of Lucknow, Lucknow.
- (ii) **Predaceous Ladybirds of Uttar Pradesh** (2013) *Tech. Bull.* P.48, Omkar & **Mishra, G.** plus student associates, Publ. by Centre of Excellence in Biocontrol of Insect Pests, Department of Zoology, University of Lucknow, Lucknow-226 007.

17. Training for Research and Teaching

- (i) U.G.C. sponsored Orientation programme at Academic Staff College, University of Lucknow, Lucknow from March 2- 31, 2009.
- (ii) U.G.C. sponsored Refresher Course in Zoology in the Department of Zoology, University of Lucknow from January 16-February 6, 2012.
- (iii) U.G.C. sponsored Refresher Course in Zoology in the Academic Staff College, Jawaharlal Nehru University from April 06- May 01, 2015.
- (iv) Resource Person, Refresher Course in Zoology, Academic Staff College, University of Lucknow.
- (v) Resource Person, Winter Course, Academic Staff College, University of Lucknow.
- (vi) Author Workshop, organized by Springer Nature and Tagore Library, Lucknow University, Lucknow. July 26, 2017.
- (vii) Department of Zoology, IT College, University of Lucknow, Lucknow

18. Conferences / Symposia Attended

International

- (i) Organizing Secretary, *International Symposium on Current Trends in Biological Sciences*, Department of Zoology, University of Lucknow, Lucknow India March 26-27, 2018
- (ii) Attended, participated and presented a paper entitled, "Reproductive Ecology of Ladybirds" in *International Symposium on Integrative Physiology and Comparative Endocrinology (ISIPCE-2016)* Department of Zoology, Banaras Hindu University, from February 12-14, 2016.
- (iii) Attended, participated and presented a paper entitled, "Offspring of preferred melanic mates lose their colour at elevated temperatures in ladybird beetles" in *The XV Congress of the International Society for Behavioral Ecology, New York University, New York* from July 31-August 06, 2014.
- (iv) Attended, participated and delivered Plenary Lecture on "Ladybirds in Biocontrol" in *International Conference on Entomology, Department of Zoology and Environmental Sciences, Punjabi University, Patiala*, Feb. 17-19, 2012

National

- (i) Attended, participated and acted as a Rapporteur in a technical session on Fish Biology during the *National Symposium on Advances in Zoology and Environmental Science* organized by the Department of Zoology, University of Gorakhpur held on March 13th & 14th, 2013.
- (ii) Organized, participated and convened a session on Entomology during 22nd *All India Congress of Zoology & National seminar on Recent Advances in Biological Sciences: Biodiversity and Human Welfare*, December 29-31, 2011 at the Department of Zoology, University of Lucknow, Lucknow.
- (iii) Attended and participated in an orientation awareness program on "E-learning and Preparation of E-learning Material" held by IPR Cell, University of Lucknow in the Department of Zoology, on March 28, 2011.
- (iv) Organized a *National Symposium on Modern Approaches to Insect Pest Management* at the Department of Zoology, University of Lucknow, Lucknow on March 26-27, 2010.
- (v) Attended and Participated in *National Seminar on Gender Development-"Towards a More Sensitive Measurement Index for U.P."* organized by the Institute of Women's Studies, University of Lucknow on March 20-21, 2009.
- (vi) Attended, participated and presented a paper entitled, "Life attributes of an aphidophagous ladybird beetle, *Propylea dissecta* on six aphid species" in *Symposium on Biodiversity and Resource Management held at the 22nd Annual Session of The Academy of Environmental*

Biology at the National Bureau of Fish Genetic Resources, Lucknow from September 11-13, 2002

- (vii) Attended and Participated in 89th session of Indian Science Congress Association held at University of Lucknow from Jan 3-7, 2002.

18. Membership of Academic Bodies

- (i) Life Member, International Society of Applied Biology, Lucknow .
- (ii) Life Member, Zoological Society of India .
- (iii) Life Member, Association of Entomologists, Patiala.

19. Administrative/ Academic Experience

- (i) Superintendent, M.Sc. Zoology Semester Examinations, May & December 2009- 2014, 2017.
- (ii) Counsellor, LU Postgraduate Admissions – 2009.
- (iii) Member, Departmental Research Committee, University of Lucknow, Lucknow.
- (iv) Member, Board of Studies in Zoology, University of Lucknow, Lucknow.
- (v) Head Examiner, B.Sc. Zoology Practical Examinations, University of Lucknow.
- (vi) Subject Expert, MP Council of Science & Technology, Bhopal.
- (vii) Worked as Subject Expert, selection of Fellows in projects at Universities of Lucknow.
- (viii) Member, Research Council, University of Lucknow
- (ix) President, Women Indoor Games Club, Lucknow University Athletic Association, 2010-2011.
- (x) Member, Departmental Anti-Ragging Committee, Department of Zoology, University of Lucknow, 2010-2011.

20. Curriculum Development

- (i) Actively participated in formulation of the CBCS syllabus during 2015
- (ii) Actively participated in the revision of P.G. syllabi in the Department during 2011 and 2015.
- (iii) Actively participated in the revision of U.G. Zoology syllabi during 2011.
- (iv) Actively participated in the development of Pre-Ph. D. Zoology syllabus in 2011.

21. Research Projects

- (1) Associate Faculty, **Centre of Excellence in Biocontrol of Insect Pests**, sanctioned by the Department of Education, Govt. of UP. **Rs. 164. 5 lac**

- (2) **DST SERC Fast Track Proposals for Young Scientists**, “Slow and fast development in ladybirds: Evolutionary rationale and role in Pest management, (2011-2014). **Rs. 17.00 lac.**

22. Research Supervision

(a) Ph.D.: 03 (Awarded) & 02 (Pursuing)

- (i) **Mr. Mohd. Shahid (2014):** “Sexual maturity and reproductive strategies in an aphidophagous ladybird, *Propylea dissecta* (Mulsant) (Coleoptera: Coccinellidae)”. **Thesis Awarded**
- (ii) **Ms. Arshi Siddiqui (2016):** “Developmental rate polymorphism in predatory ladybird, *Propylea dissecta* Mulsant”. **Thesis Awarded.**
- (iii) **Ms. Ankita Dubey (2016):** “Sexual Selection in Ladybirds: Existence and Consequences”. **Thesis Awarded.**
- (iv) **Mr. Syed Waseem Andrabi (2015):** “Therapeutic and molecular consequences of gonadotropin therapy in infertile men”. **(Pursuing)**
- (v) **Ms. Tripti Yadav (2017):** “Cannibalism in aphidophagous ladybird beetle. **(Pursuing)**

(b) M. Phil Thesis: 01

- (i) **Ms. Smita Verma:** “Molecular Studies on the Effects of Estradiol and Ormeloxifene on *In Vitro* Chondrocyte Mineralization” APS University, Rewa in partial fulfillment for M. Phil. Biochemistry.

(c) M.Sc. Dissertation: 01

- (i) **Ms. Deepa Alex:** “*In vitro* estrogenic response of steroids and SERM’s: A study at transcriptional and translational level” Bharathiar University in partial fulfillment for M.Sc. Biotechnology

(A) Published/ Accepted Research Papers

2018

1. Singh, S., **Mishra, G.** and Omkar (2018) Plasticity in reproductive output and development in response to thermal variation in ladybird beetle, *Menochilus sexmaculatus*. *Journal of Thermal Biology*, **Elsevier 71**, 180-188L
2. Saxena, S., **Mishra, G.** and Omkar (2018) Familiarity dominates related in mate selection in ladybirds. *Journal of Zoology*, **London, Wiley Blackwell 304(1)**, 55-64.
3. Chaudhary, D.D., **Mishra, G.** and Omkar (2018) Influence of food availability on mate guarding behaviour of ladybirds. *Bulletin of Entomological Research*, **Cambridge University Press, UK**, doi:10.1017/S0007485318000056
4. Dubey, A., Singh, S., Omkar and **Mishra, G.** (2018) Paternity success in ladybirds: Function of mating interval and order. *Journal of Ethology*, 36, 151–159
5. Dubey, A., Saxena, S., **Mishra, G.** and Omkar (2018) Mating experience influences mate choice and reproductive attributes in an aphidophagous ladybird, *Menochilus sexmaculatus*. *Animal Biology*, doi: 10.1163/15707563-17000128
6. Shandilya A., **Mishra, G.** and Omkar (2018). Leg impairment affects the reproductive attributes of a ladybird, *Menochilus sexmaculatus* (Fabricius). *Journal of Asia- Pacific Entomology* (In Press)

2017

7. Chaudhary, D.D., **Mishra, G.** and Omkar (2017) Strategic mate guarding behavior in ladybirds. *Ethology*, **Wiley 123**, 376-385.
8. Siddiqui, A., Omkar and **Mishra, G.** (2017) Selection and inheritance of developmental variants of *Propylea dissecta* under thermal stress conditions. *Journal of Thermal Biology*, **Elsevier 69**, 275-280.
9. Singh, S., **Mishra, G.** and Omkar (2016) Perceived prey quantity modulates oviposition in ladybird, *Menochilus sexmaculatus*. *Journal of Ethology*, **Springer, Japan 34**, 59-64.
10. Shahid, M., Siddiqui, A., Omkar and **Mishra, G.** (2016) Mating alters the rate of development of ovarioles in the ladybird, *Propylea dissecta*. *European Journal of Entomology Czech* **113**, 44-50.

2016

11. Singh, N., **Mishra, G.** and Omkar (2016) Effect of photoperiod on slow and fast developing individuals in aphidophagous ladybirds, *Menochilus sexmaculatus* and *Propylea dissecta* (Coleoptera: Coccinellidae). *Insect Science*, **Wiley Blackwell** **23**, 117-133.
12. Pattanayak, R., **Mishra, G.**, Chanotiya, C.S., Rout, P.K., Mohanty, C.S. and Omkar (2016) Semiochemical profile of four aphidophagous Indian Coccinellidae (Coleoptera). *Canadian Entomologist*, **Cambridge University Press**, **UK** **148**, 171-186.
13. Dubey, A., Omkar and **Mishra, G.** (2016) Influence of temperature on reproductive biology and phenotype of a ladybird, *Menochilus sexmaculatus* (Fabricius). *Journal of Thermal Biology* **Elsevier** **58**, 35–42.
14. Choudhary, D.D., Kumar, B., **Mishra, G.** and Omkar (2016) Food resource partitioning by small and large variants of ladybirds: consequences of prey species and prey size. *Current Science* **Bangalore** **110** (7), 1343-1349.
15. Dubey, A., Omkar and **Mishra, G.** (2016) Adult body size drives sexual selection mutually in the ladybird, *Menochilus sexmaculatus* (Coleoptera: Coccinellidae). *Acta Entomologica Sinica* **China** **59**(2), 209-218.
16. Singh, N., **Mishra, G.** and Omkar (2016) Slow and fast development in two aphidophagous ladybirds on scarce and abundant prey supply. *Bulletin of Entomological Research*, **Cambridge University Press**, **106**, 347-358.
17. Chaudhary, D.D., Kumar, B., **Mishra, G.** and Omkar (2016) Effects of prey resource fluctuation on predation attributes of two sympatric ladybird beetles. *Canadian Entomologist*, **Cambridge University Press** **148**, 443-451.
18. Saxena, S., **Mishra, G.** and Omkar (2016) Inbreeding avoidance in aphidophagous ladybird beetles: A case study in *Menochilus sexmaculatus*. *Canadian Journal of Zoology* **94**(5), 361-365.
19. Chaudhary, D.D., **Mishra, G.** and Omkar (2016) Last male wins the egg fertilization fight: a case study in ladybird, *Menochilus sexmaculatus*. *Behavioural Processes* **Elsevier** **131**, 1-8.
20. Saxena, S., **Mishra, G.** and Omkar (2016) Does regeneration ability influence reproductive fitness in *Menochilus sexmaculatus* (Coleoptera: Coccinellidae)? *Journal of Asia Pacific Entomology* **Elsevier** **19**(3), 829-834.

2015

18. Siddiqui, A., Omkar & **Mishra, G.** (2015) Predator-prey interactions in selected slow and fast developing females of a ladybird, *Propylea dissecta*. *Journal of*

Experimental Zoology Part A: Ecological Genetics and Physiology **Wiley** 323A:745–756.

19. Chaudhary, D.D., Kumar, B., **Mishra, G.** & Omkar (2015) Resource partitioning in a ladybird, *Menochilus sexmaculatus*: Function of body size and prey density. *Bulletin of Entomological Research*, **Cambridge University Press** **105**, 121–128.
20. Kumar, B., **Mishra, G.** & Omkar (2015) Prey species modify interactions within two predator conspecific and heterospecific combinations: a case study using two sympatric *Coccinella* species (Coleoptera: Coccinellidae). *Journal of Asia Pacific Entomology*, **Elsevier** **18** (2), 109-116. doi.org/10.1016/j.aspen.2014.12.013.
21. Siddiqui, A., Omkar, Paul, S.C. & **Mishra, G.** (2015) Predatory responses of selected lines of developmental variants of ladybird, *Propylea dissecta* (Coleoptera: Coccinellidae) in relation to increasing prey and predator densities. *Biocontrol Science and Technology*, **Taylor & Francis, UK** **25(9)**, 992-1010.
22. Choudhary, D.D., **Mishra, G.** & Omkar (2015) Prolonged matings in a ladybird, *Menochilus sexmaculatus*: a mate guarding mechanism? *Journal of Asia Pacific Entomology*, **Elsevier** **18**, 453-458.

2014

23. Singh, N., **Mishra, G.** & Omkar (2014) Does temperature modify slow and fast development in two aphidophagous ladybirds? *Journal of Thermal Biology* **Elsevier** 39, 24-31.
24. Omkar, **Mishra, G.**, Kumar, B., Singh, N. & Pandey, G. (2014) Risks associated with tandem release of large and small ladybirds in heterospecific aphidophagous guilds. *The Canadian Entomologist* **Cambridge University Press** 146, 52-66.
25. Kumar, B., **Mishra, G.** & Omkar (2014) Functional response and predatory interactions within conspecific and heterospecific guilds of two congeneric species (Coleoptera: Coccinellidae). *European Journal of Entomology* **Czech** **111(2)**, 257–265, doi 10.14411/eje.2014.025.
26. Kumar, B., Bista, M., **Mishra, G.** & Omkar (2014) Stage specific consumption and utilization of an aphid, conspecific and heterospecific eggs by two *Coccinella* species (Coleoptera: Coccinellidae). *European Journal of Entomology* **Czech** **111(3)**, 363–369, doi: 10.14411/eje.2014.046.
27. Pandey, G., **Mishra, G.** & Omkar (2014) Evaluation of functional and numerical response of four co-occurring aphidophagous ladybird species. *Journal of Applied Bioscience* **40(1)**, 8- 17.
28. **Mishra, G.** & Omkar (2014) Phenotype-dependent mate choice in *Propylea dissecta* and its fitness consequences. *Journal of Ethology* **Springer, Japan**,

32,165–172.

29. Kumar, B., **Mishra, G.** & Omkar (2014) Larval and female footprints as feeding deterrent cues for immature stages of two congeneric ladybird predators (Coleoptera: Coccinellidae). *Bulletin of Entomological Research* **Cambridge University Press** **104**, 652–660.
30. Pattanayak, R., **Mishra, G.**, Omkar, Chanotiya, C. S., Rout, P.K. and Mohanty, C. S. (2014) Does the volatile hydrocarbon profile differ between the sexes: A case study on five aphidophagous ladybirds. *Archives of Insect Biochemistry and Physiology*, **Wiley Blackwell** **87 (3)**, 105–125
31. Omkar & **Mishra, G.** (2014) Simultaneous rather than sequential polyandry increases fitness in an aphidophagous ladybird. *Acta Entomologica Sinica, China* **57(10)**, 1180-1187.

2013

32. Michaud, J.P., Bista, M., **Mishra, G.** & Omkar (2013) Sexual activity diminishes male virility in two *Coccinella* species: Consequences for female fertility and progeny development. *Bulletin of Entomological Research*, **Cambridge University Press, UK** **103**, 570–577.
33. Pandey, P., **Mishra, G.** & Omkar (2013) Slow and fast development in *Parthenium* beetle and its effect on reproductive attributes. *Journal of Asia Pacific Entomology* **Elsevier** **16(4)**, 395-399.
34. **Mishra, G.**, Singh, N., Shahid, M. & Omkar (2013) The effects of three sympatric ladybird species on oviposition by *Menochilus sexmaculatus* (Coleoptera: Coccinellidae). *Chemoecology* **Springer** **23**, 103–111.
35. Kumar, B., Pandey, G., **Mishra, G.** & Omkar (2013) Predatory performance of four aphidophagous ladybirds: a measure of prey suitability. *International Journal of Tropical Insect Science* **Cambridge University Press, UK** **33(2)**, 120-126.

2012

36. **Mishra, G.**, Singh, N., Shahid, M. & Omkar (2012) Effect of presence and semiochemicals of conspecific stages on oviposition by ladybirds (Coleoptera: Coccinellidae). *European Journal of Entomology*, **Czech** **109**, 363–371.
37. **Mishra, G.** & Omkar (2012) Slow and fast development in ladybirds: occurrence, effects and significance. *Web Ecology*, **European Ecological Federation** **12**, 19-26.
38. **Mishra, G.** & Omkar (2012) Neem, the wonder tree, under attack: a new major pest.

Current Science Bangalore 102(7), 969-970.

39. **Mishra, G.**, Omkar, Kumar, B. & Pandey, G. (2012) Stage and age-specific predation in four aphidophagous ladybird beetles. *Biocontrol Science and Technology*, **Taylor & Francis** 22(4), 463-476.
40. Bista, M., **Mishra, G.** & Omkar (2012) Influence of crowding and diet on the development and survival of the ladybird *Brumoides suturalis* (Coleoptera: Coccinellidae) reared on two aphid species. *International Journal of Tropical Insect Science Cambridge University Press* 32(1), 64-68.
41. Makker, A., Singh, M.M., **Mishra, G.**, Singh, B.P., Jain, G.K., Jadhav, S. (2012). Relationship between bone turnover biomarkers, mandibular bone mineral density, and systemic skeletal bone mineral density in premenopausal and postmenopausal Indian women. *Menopause*, 19(6), 642-649.

2011

42. **Mishra, G.**, Kumar, B, Shahid, M., Singh, D. & Omkar (2011) Evaluation of Four Co-occurring Aphidophagous Ladybirds for the Biological Control of the Pea Aphid, *Acyrtosiphon pisum* (Homoptera:Aphididae). *Biocontrol Science and Technology Taylor & Francis, UK* 21(8), 991-997.

2010

43. Singh, S.K., **Mishra, G.**, Omkar & Tripathi, G.M. (2010). Effects of male age on reproductive response of *Micromus igorotus* Bank (Neuroptera: Hamerobiidae), a predator of sugarcane woolly aphid, *Ceratovacuna lanigera* Zehntner (Hemiptera: Aphididae). *Sugar Cane International, UK*, 28(1), 30-32, 46.
44. Omkar, Singh, S.K. & **Mishra, G.** (2010). Multiple matings affect the reproductive performance of an aphidophagous ladybird beetle, *Coelophora saucia*. *European Journal of Entomology Czech* 107(2), 177-182.
45. Omkar, Pandey, P., Rastogi, S. & **Mishra, G.** (2010). Influence of age at mating on the reproductive performance of Parthenium beetle, *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae). *Insect Science, Blackwell China* 17(2), 112-120.
46. Omkar, Singh, S.K. & **Mishra, G.** (2010). Parental age at mating affects reproductive attributes of an aphidophagous ladybird beetle, *Coelophora saucia*. *European Journal of Entomology Czech* 107 (2), 341-347.
47. Sharan, K., Swarnkar, G., Siddiqui, J.A., Kumar, A., Rawat, P., Kumar, M., Nagar, G.K., Manickavasagam, L., Singh, S.P., **Mishra, G.**, Wahajuddin, Jain, G.K., Maurya, R. & Chattopadhyay, N. (2010) A novel flavonoid, 6-C-beta-d-

glucopyranosyl-(2S,3S)-(+)-3',4',5,7-tetrahydroxyflavanone, isolated from *Ulmus wallichiana* Planchon mitigates ovariectomy-induced osteoporosis in rats. *Menopause* (New York, N.Y.). 17(3):577-86.

2009

48. Singh, S.K. Tripathi, G.M., Omkar & **Mishra, G.** (2009). Life-table analysis and intrinsic rate of natural increase of *Micromus igorotus* Bank (Neuroptera: Hemerodidae), a predator of sugarcane woolly aphid, *Ceratovacuna lanigera* Zehntner. *Sugarcane International*, **UK**, 27(1), 26-29.
49. Omkar & **Mishra, G.** (2009). Optimization of age differences between mates maximizes progeny output. *Bio Control*, **Springer, The Netherlands** 54, 637-650.

2008

50. Makker, A., **Mishra, G.**, Singh, B.P., Tripathi, A. & Singh, M.M. (2008) Normative bone mineral density data at multiple skeletal sites in Indian subjects. *Archives of Osteoporosis*, 3, 25-37.

2006

51. **Mishra, G.** & Omkar (2006) Ageing trajectory and longevity trade-off in a generalist aphidophagous ladybird, *Propylea dissecta* (Coleoptera: Coccinellidae). *European Journal of Entomology* 103 (1), 33-40.
52. Omkar, **Mishra, G.** & Singh, S.K. (2006) Optimal number of matings in two aphidophagous ladybirds. *Ecological Entomology*, **The Royal Entomological Society**, **UK** 31, 1-4.
53. **Mishra, G.** & Omkar (2006) Conspecific interference by adults in an aphidophagous ladybird: effect on reproduction *Bulletin of Entomological Research*, **Cambridge University Press**, 96(4), 407-412.
54. Gupta, A.K., Srivastava, S., **Mishra, G.**, Singh, K. & Omkar (2006) Survival, development and life table of two con-generic ladybirds in aphid guilds. *Insect Science*, **Blackwell Science** 13 (2), 119-126.

2005

55. Omkar, **Mishra, G.** & Singh, K. (2005) Effect of different wavelengths of light on the life attributes of two aphidophagous ladybirds. *European Journal of Entomology*,

102(1), 33-37.

56. Omkar, **Mishra, G.**, Srivastava, S., Gupta, A.K. & Singh, S.K. (2005) Reproductive performance of four aphidophagous ladybirds on cowpea aphid, *Aphis craccivora*. *Journal of Applied Entomology, Germany*, 129 (4), 217-220.
57. **Mishra, G.** & Omkar (2005) Influence of light components on the life attributes of an aphidophagous ladybird, *Propylea dissecta* (Coleoptera: Coccinellidae). *International Journal of Tropical Insect Science, Cambridge University Press*, 25(1), 32-38.
58. Omkar, Pervez, A. **Mishra, G.**, Srivastava, S. Singh, S.K. & Gupta, A.K. (2005) Intrinsic advantages of a ladybird, *Cheilomenes sexmaculata* over the relatively bigger two co-occurring *Coccinella* species. *Insect Science, Blackwell Science, China*, 12(3), 179-184.
59. Omkar & **Mishra, G.** (2005) Preference-performance of a generalist predatory ladybird: a laboratory study. *Biological Control, Elsevier USA* 34(2), 187-195 (amongst Top 25 Hottest articles published in the journal; at Sr#11).
60. Omkar & **Mishra, G.** (2005) Evolutionary significance of promiscuity in an aphidophagous ladybird, *Propylea dissecta*. *Bulletin of Entomological Research, Cambridge University Press*, 95, 527-533.
61. Omkar & **Mishra, G.** (2005) Mating in aphidophagous ladybirds: costs and benefits. *Journal of Applied Entomology, Germany* 129, 432-436.

2004

62. Omkar, Singh, S.K., Pervez, A. & **Mishra, G.** (2004). Age-specific fecundity and natality life-table of an aphidophagous ladybird, *Cheilomenes sexmaculata*. *Biological Memoirs*, 30 (1), 20-25.
63. **Mishra, G.** & Omkar (2004) Diel rhythmicity in certain life events of a ladybird, *Propylea dissecta* (Mulsant). *Biological Rhythm Research, Taylor and Francis*, 35, 269-276.
64. **Mishra, G.** & Omkar (2004) Influence of parental age on reproductive performance of an aphidophagous ladybird, *Propylea dissecta* (Mulsant). *Journal of Applied Entomology, Germany* 128 (9-10), 605-609.
65. Omkar, **Mishra, G.**, Srivastava, S. & Gupta, A.K. (2004) Ovipositional rhythmicity in ladybird beetles (Coleoptera: Coccinellidae): a laboratory study. *Biological Rhythm Research, Taylor and Francis*, 35, 277-287.

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