

# Curriculum Vitae

**Dr. G.Y. DAYANANDA**



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## Department address

Guest Lecturer  
Dept. of Applied Zoology  
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Jnana Sahyadri  
Kuvempu University  
Shankaraghatta - 577 451  
Shivamogga, Karnataka (INDIA)

## Residential address

Gulladamane  
Nandi (Post) - 577 228.  
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### PERSONAL INFORMATION :

Date of Birth : 15<sup>th</sup> December 1975  
Nationality : Indian

### EDUCATION PROFILE :

**M. Phil.** : Title : *Water quality evaluation with reference to Gudavi wetlands, Sorab, Shimoga, Karnataka.*  
**Ph.D.** : Title : *Ornitho-ecological studies on Gudavi bird sanctuary, Sorab, Karnataka.*

Examination Passed	Subjects	Year	Result
Ph.D	Applied Zoology	2006	-
M.Phil	Applied Zoology	2002	I Class with Distinction
M.Sc.	Applied Zoology	2000	I Class
B.Sc.	Chemistry, Botany, Zoology	1998	II Class

### YEARS OF EXPERIENCE:

POST GRADUATE TEACHING – **21** (2003-2024)  
DDE – **21** (2003-2024)

RESEARCH – **24** (2000-2024)

## RESEARCH PROJECTS UNDERTAKEN

1. **Co-investigator:** Project Ecological studies and videography of Gudavi Bird Sanctuary. (**Methods for bird diversity, abundance and breeding biology and ecological parameters: water, soil quality and flora diversity in and around the sanctuary**) Forest Department (Wildlife division), Government of Karnataka (2003-04).

## M. Phil GUIDANCE

GUIDED : 03 M. Phil. STUDENTS

## FIELDS OF RESEARCH INTEREST

1. ORNITHOLOGY
2. BIODIVERSITY
3. WILDLIFE BIOLOGY
4. ECOLOGY
5. ENVIRONMENTAL SCIENCE
6. TOXICOLOGY

## RESEARCH PUBLICATIONS

**Publication Papers:** Published 29 research papers in National and International Scientific journals.

## SELECTED PAPERS PUBLISHED ON BIODIVERSITY, ORNITHOLOGY, WILDLIFE AND TOXICOLOGY.

1. **Dayananda, G. Y.**, Nasrath Fathe Ali and Sindhu B S Jois. 2024. Survey on population density of Indian flying fox (*Pteropus giganteus*) in different roosting sites in and around Shivamogga, Karnataka. *International Journal of Science and Research*, 13(4): 898-900.
2. **Dayananda G. Y** and Naveed Ahamed. 2023. Morphometric study of nests of baya weaver bird *Ploceus philippinus* in different zones of Shivamogga district, Karnataka. *International Journal of Recent Scientific Research*, 14(10):4195-4197.
3. Kumar, K. S., Vishwajith, H. U., Anisha, A., **Dayananda, G. Y.**, Gururaja, K. V. and Hebbar, P. 2022. A new cryptic species of *Nyctibatrachus* (Amphibia, Anura, Nyctibatrachidae) with description of its tadpole from the central Western Ghats, India. *Zootaxa*, 5209 (1): 069-092.

4. Ravikiran K.M and **G. Y Dayananda**. 2022. Effect of malathion induced developmental alterations and chromosomal pattern in *Drosophila melanogaster*. ***International Research Journal of Modernization in Engineering and Science***, 4(3): 2394-2401.
5. Naveed Ahamed., **Dayananda G.Y** and Naik K L. 2021. Studies on abnormal nests of baya weaver bird *Ploceus philippinus* in different zones of Shivamogga district, Karnataka. ***International Journal of Zoology Studies***, 6( 2) :28-30.
6. Pavan Kumar K.S, Vishwajith H.U and **Dayananda G.Y**. 2020. Anuran diversity in different habitat of Sringeri and Koppa Taluk. ***Journal of Entomology and Zoology Studies***, 8 (5): 1250-1254.
7. Vishwajith H U, Pavan kumar K S, Keshavamurthy M V and **Dayananda G Y**. 2020. Documentation of Rare, Endangered and Threatened (RET) Anurans in the Malnad regions of Chikkamagaluru district in Central Western Ghats of Karnataka, India. ***Asian Journal of Conservation Biology***, 9 (1): 130-133.
8. **Dayananda G.Y**, Chandrakala E, and Supriya H.C. 2020. Survey of pulmonary tuberculosis based on symptoms and sputum examination in Chikkamagaluru. ***Innovare Journal of Health Science***, 8(5): 1-2.
9. **Dayananda G.Y**. 2018. Diversity and abundance of wetland birds around Gudavi bird sanctuary, Sorab, Karnataka. ***International Journal of Zoology Studies***, 3 (5):16-19.
10. **Dayananda,G.Y.**, Narasimha Reddy, A., Chandrakala, E and Nagaraja. 2017. Inversion polymorphism of the natural (Mandagadde bird sanctuary) and Laboratory population of *Drosophila nasuta nasuta*. ***International Journal of recent scientific research***, 8 (7):18059 – 18061.
11. **Dayananda,G.Y.**, Chandrakala, E and Nagaraja. 2016. Comparative studies on inversion polymorphism in *Drosophila ananassae*. ***Current Biotica***, 10(1):77-80.
12. **Dayananda, G.Y**. 2014. Diversity of butterfly fauna in and around Gudavi bird sanctuary, Sorab, Karnataka. ***Journal of Entomology and Zoology Studies***, 3(5): 001-005.
13. **Dayananda,G.Y**. 2013. Diversity of wetland dependent birds around the Bhadra Reservoir Project (BRP) Area, Karnataka. ***Journal Research in Biology***, 3(5): 001-005.
14. **Dayananda,G.Y**. 2012. Studies of aquatic macrophytes in two lentic waterbodies at Gudavi bird sanctuary, Sorab taluk of Shivamogga District, Karnataka. ***Ind. J. Env't. Sci.***, 16(2):105-109.

15. **Dayananda,G.Y.** 2009. Avifaunal diversity of Gudavi Bird Sanctuary, Sorab, Shimoga, Karnataka. *Our Nature*, 7:100-109.
16. Naveed,A., **Dayananda,G.Y.** and B. B. Hosetti. 2009. Relative toxicity of different insecticides to *Cyclopelta siccifolia* W. eggs of various ages. *Current Biotica*. 3(1):79-83.
17. Naveed,A., **Dayananda,G.Y.** and B. B. Hosetti. 2009. Effect of some selected insecticides on the activity of invertase at different stages of pentatomid bug, *Cyclopelta siccifolia* W. *Our Nature*, 7:222-225.
18. **Dayananda,G.Y.** and B. B. Hosetti. 2009. Nesting and nidification activities of the Black-headed Ibis (*Threskiornis melanocephalus*) in mid-western ghat region of Karnataka, South India. *Current Biotica*, 2 (4):439-452.
19. **Dayananda, G .Y.** 2008. Zooplankton diversity in certain lentic waterbodies in midwesterghat region of Karnataka. *Env. and Ecol.* 2(4):169-176.
20. **Dayananda, G .Y.** and B. B. Hosetti. 2008. Water Quality Index of some ponds in western ghat region of Shimoga, Karnataka. *I. J. Envt. Sci*, 3(3): 301-303.
21. **Dayananda, G. Y.** 2008. Status of waterbirds at Ramanakere, Cheelur, Davanagere District, Karnataka. *J. Aqua. Biol*, 23(2): 32-35.
22. **Dayananda, G .Y.**, Naveed, A., Naik, K.L. and B. B. Hosetti. 2008. Spatio-temporal patterns of nesting within a breeding colony of Gudavi bird sanctuary in western ghat region of Karnataka. *The Ecoscan*, 2(2):143-147.
23. **Dayananda,G.Y.** and B. B. Hosetti. 2008. Nest and nidification activities of Spoonbill (*Platylea leucordea*) in western ghat region of Shimoga, Karnataka. *Tiger paper*, 35(4):28-32.
24. Naveed, A., **Dayananda, G. Y** and B. B. Hosetti. 2007. The responses of different aged eggs of pentatomid bug *Cyclopelta cissifolia*. W to insecticides. *The Bioscan*, 2(2):147-149.
25. Naveed, A., **Dayananda, G.Y.**, Bhawane, G.P. and B.B. Hosetti.2007. Amylase, invertase and trehlase activity in the pentatomid bug, *Cyclopelta siccifolia* (W.), *J. Ecophysiol. Occup. Hlth.* 7:25-29.
26. **Dayananda,G.Y.**, Naveed,A., Naik, K.L. and B.B. Hosetti. 2007. Limnological studies of Gudavi wetlands, Sorab, Shimoga, Karnataka. *J. Envt and Conservation*, 8(3):47-54.
27. **Dayananda, G.Y.**, Tejasvi,D.B and Naik, K.L. 2006. Avifaunal diversity of certain wetlands of Shimoga, Karnataka. *Kuvempu Univ.Sci. J.* 3(1):61-67.
28. **Dayananda,G.Y.** and B.B. Hosetti. 2005. Avifauna of Ramanakere, Cheelur, Davanagere District. Cited in the Proceedings of National Seminar on Bird Ecology and Conservation titled “New Initiatives for Bird Conservation”12<sup>th</sup> - 14<sup>th</sup> November, 2005. Bangalore.

29. **Dayananda,G.Y.** and B.B. Hosetti. 2005. Nest and nidification activities of Median Egret *Egretta intermedia* at Gudavi bird sanctuary. Cited in the Proceedings of National Conference on Environmental pollution and Eco-planning 4<sup>th</sup> and 5<sup>th</sup> March 2005. Bangalore.

**PAPER PRESENTED AT SYMPOSIA / SEMINARS:**

1. **Dayananda,G.Y.**, Sulabha Pathak and B.B.Hosetti.2000. Evaluation of water quality of Gudavi wetlands. Cited in the Proceedings of National Seminar on Conservation of Biodiversity and Coastal Aquaculture, 6<sup>th</sup> and 7<sup>th</sup> November, 2000. Karwar.
2. **Dayananda,G.Y.** and B.B. Hosetti. 2005. Nest and nidification activities of Median Egret *Egretta intermedia* at Gudavi bird sanctuary. Cited in the Proceedings National Conference on Environmental pollution and Eco-planning 4<sup>th</sup> and 5<sup>th</sup> March 2005. Bangalore.
3. **Dayananda,G.Y.** and B.B. Hosetti. 2005. Avifauna of Ramanakere, Cheelur,Davanagere District. Cited in the Proceedings of National Seminar on Bird Ecology and Conservation titled “New Initiatives for Bird Conservation”12<sup>th</sup> - 14<sup>th</sup> November, 2005. Bangalore.
4. **Dayananda,G.Y.** and B.B. Hosetti. 2006. Status of Waterbirds at Ramanakere, Cheelur, Davanagere district, Karnataka. Cited in the Proceedings of International Seminar on Environmental Biotechnology, Envirotech 2006, 5<sup>th</sup> - 7<sup>th</sup> July, 2006. Chennai.
5. **Dayananda,G.Y.**, Naveed,A., Naik,K.L. and B.B. Hosetti. 2006. Limnological studies of Gudavi wetlands, Sorab, Shimoga, Karnataka. Cited in the Proceedings of Inter National Conference in Zoology INCOZ-2006, 19<sup>th</sup> – 22<sup>nd</sup> November, 2006. Bangalore.
6. **Dayananda,G.Y.** and B.B. Hosetti. 2007. Karitale hakkiya Goodu mattu Goodu kattuva prakriye- Gudavi Pakshidamavannu Anulakshishi. Cited in the Proceedings of III<sup>rd</sup> Kannada Vijnana Sammelana, Karnataka Science Congress, 15<sup>th</sup> – 17<sup>th</sup> September, 2007. Kuvempu University, Shankaraghatta.
7. **Dayananda,G.Y.** and B.B. Hosetti. 2008. Nesting ecology of the Black-headed Ibis (*Threskiornis melanocephalus*) at Gudavi bird sanctuary, Sorab, Karnataka. Cited in the Proceedings of National Conference of ISCAP on “Biotechnological Strategies for Biodiversity Conservation”. 13<sup>th</sup> – 15<sup>th</sup> March 2008. Applied Zoology, Kuvempu University.
8. **Dayananda,G.Y.** and B.B. Hosetti. 2008. Avifaunal diversity of Gudavi bird sanctuary, Sorab, Shimoga, Karnataka. Cited in the Proceedings of National Conference of ISCAP on “Biotechnological Strategies for Biodiversity Conservation”. 13<sup>th</sup> – 15<sup>th</sup> March 2008. Applied Zoology, Kuvempu University.

9. **Dayananda,G.Y.**, Jyothi, K.M., Sunitha, M.C., Naik, K.L. and B.B. Hosetti. 2008. A study on the diversity and density of wetland birds in Cheelur pond, Cheelur, Davanagere district. Cited in the Proceedings of National Conference of ISCAP on “Biotechnological Strategies for Biodiversity Conservation”. 13<sup>th</sup> – 15<sup>th</sup> March 2008. Applied Zoology, Kuvempu University.
10. Naveed, A., **Dayananda,G.Y.**, Bhavane, G.P. and B.B. Hosetti. 2008. Effect of some selected insecticides on the activity of amylase at different growth stages of Pentatomid bug, *Cyclopelta siccifolia* W. Cited in the Proceedings of National Conference of ISCAP on “Biotechnological Strategies for Biodiversity Conservation”. 13<sup>th</sup> – 15<sup>th</sup> March 2008. Applied Zoology, Kuvempu University.
11. Naik, K.L., **Dayananda,G.Y.** and B.B. Hosetti. 2008. Impact of drought conditions on the nesting density of *Ploceus philippinus* (L) in the mid-western ghats of Karnataka. Cited in the Proceedings of National Conference of ISCAP on “Biotechnological Strategies for Biodiversity Conservation”. 13<sup>th</sup> – 15<sup>th</sup> March 2008. Applied Zoology, Kuvempu University.
12. **Dayananda,G.Y.** 2011. Diversity and population status of avifauna in three freshwater ponds around Lakkavalli area, Karnataka. Cited in the proceedings of National Conference on “Global Climate Change: Perspectives and Challenges(NCGCC-2011)”. 23<sup>rd</sup> and 24<sup>th</sup> March, 2011. Environmental Science, Kuvempu University.
13. **Dayananda,G.Y.** and B.B.Hosetti. 2011. Study on nesting activities and population dynamics of Median Egret *Mesophoyex intermedia* in mid-western ghat region of Shimoga, Karnataka. Cited in the proceedings of International Conference on “Climate change, Forest Resource and Environment”(JCCFRE-2011)”. 9<sup>th</sup> - 11<sup>th</sup> December, 2011. Environmental Science, University of Kerala. Thiruvananthapuram.
14. **Dayananda,G.Y.** and B.B.Hosetti. 2012. Diversity and abundance of wetland birds around Gudavi bird sanctuary, Sorab, Karnataka. Cited in the proceedings of National Seminar on “Advances in Zoology & Life Processes”. 9<sup>th</sup> - 11<sup>th</sup> February, 2012. Department of Zoology, Goa University.
15. **Dayananda,G.Y.** and B.B. Hosetti. 2012. Population dynamics of House Sparrow (*Passer domesticus. L*) in three different areas of Shivamogga, Karnataka. Cited in the Proceedings of National Conference on “New Frontiers in Animal Science”. 9<sup>th</sup>–10<sup>th</sup> April 2012. Applied Zoology, Kuvempu University.
16. **Dayananda,G.Y.**, Nandini, A and Naveed, A. 2014. Effect of biopesticide on the digestive enzymes of *Drosophila melanogaster*. Cited in the Proceedings of National Conference on “Biodiversity conservation and sustainable management (BCSM-2014)”. 25<sup>th</sup> & 26<sup>th</sup> March 2014. Applied Zoology, Kuvempu University.
17. **Dayananda,G.Y.** and B.B. Hosetti. 2018. Population dynamics of House Sparrow (*Passer domesticus. L*) in three different areas of Shivamogga, Karnataka. Cited in the Proceedings of 10<sup>th</sup> Annual Conference on “Karnataka

Science and Technology Academy”.18<sup>th</sup>–19<sup>th</sup> January 2018. Karnataka Science and Technology Academy and REVA University.

**CONFERENCES /SYMPOSIA / SEMINARS / WORKSHOPS/REFRESHER -  
COURSES ATTENDED:**

1. National Seminar on “**Challenges in 21<sup>st</sup> Century in Animal Sciences**”, (10<sup>th</sup> & 11<sup>th</sup> March, 2000), Department of Applied Zoology, Kuvempu University, SHIMOGA.
2. National Seminar on “**Drinking Water Quality and Safety Management**”, (31<sup>st</sup> March, 2003), Department of Environmental Science, Kuvempu University, SHIMOGA.
3. National Seminar on “**Environmental Scenario: Challenges and Solutions**” & **26<sup>th</sup> Annual Session of the AEB**, (23<sup>rd</sup> to 25<sup>th</sup> December, 2006), School of Environmental biology, Awaldhesh Pratap Singh University, Rewa and AEB, LUCKNOW.
4. National Seminar on “**Biotechnology-Current Trends and Future Scenario**”, (10<sup>th</sup> & 11<sup>th</sup> March, 2008), Department of Biotechnology and Bioinformatics, Kuvempu University, SHIMOGA.
5. National Seminar on “**Nanotechnology-Past, Present and Future**”, (04<sup>th</sup> April, 2008), Department of Chemistry, Kuvempu University, SHIMOGA.
6. National Seminar on “**Recent Advances and Challenges in Biochemistry and Biotechnology-2009**”, (1<sup>st</sup> & 2<sup>nd</sup> April, 2009), Department of Biochemistry, Kuvempu University, SHIMOGA.
7. National Seminar on “**Strategies for biodiversity conservation and management**”, (6<sup>th</sup> May, 2010), Department of P.G. Studies and Research in Applied Zoology & Wildlife and management, Kuvempu University, SHIMOGA.
8. National Symposium on “**Emerging trends in Biotechnology**”, (20<sup>th</sup> & 21<sup>st</sup> March, 2010), Department of Biotechnology, Sahyadri Science College, SHIMOGA.
9. State level Symposium on “**Wildlife lovers meet**”, (10<sup>th</sup> July, 2010), Westernghats Task Force in Karnataka, Bhadravathi Forest Division and Department of Environmental Science, Kuvempu University, SHIMOGA.
10. State level Symposium on “**Treatise on Contemporary Molecular Biology**”, (9<sup>th</sup> May, 2011), Department of Biotechnology, Sahyadri Science College, SHIMOGA.
11. National Symposium on “**Innovations in science and technology for inclusive development**”, (3<sup>rd</sup> & 4<sup>th</sup> January, 2014), Department of Studies in Zoology, University of Mysore, MYSORE.

12. National Conference on “**Science, Technology and productization – A means for growth**”, (5<sup>th</sup> & 6<sup>th</sup> February, 2015), Karnataka Science & Technology (KSTA) and Oxford College of Science, BANGALORE.
13. State level Seminar on “**Current Challenges of Microbes**”, (4<sup>th</sup> March, 2016), Department of Studies in Microbiology, Kuvempu University, SHIVAMOGGA.
14. Workshop on “**Research methodology - Research Skill**”, (05<sup>th</sup> & 12<sup>th</sup> July, 2004), SC/ST Cell, Kuvempu University, SHIMOGA.
15. Workshop on “**Water – the Elixir of Life**”, (31<sup>st</sup> July, 2004), Department of Water management and Water Harvesting & Environmental Science, Kuvempu University, SHIMOGA.
16. Workshop on “**Kuvempu University Silver Jubilee Exhibition**”, (16<sup>th</sup> - 19<sup>th</sup> February, 2012), Committee for Popularization of Science Education, Kuvempu University, SHIMOGA.
17. Workshop on “**Field techniques and Scientific approach in Wildlife studies**”, (13<sup>th</sup> - 18<sup>th</sup> March, 2017), Department of Wildlife and management, Kuvempu University, SHIMOGA.
18. National Conference on “**Karnataka Science and Technology Academy 2018**”, (18<sup>th</sup> & 19<sup>th</sup> January, 2018), Karnataka Science & Technology (KSTA) and REVA University, BANGALORE.
19. UGC Sponsored Refresher course in **Wildlife and management**, (10<sup>th</sup> -30<sup>th</sup> November, 2008 and obtained ‘B’ Grade), Department of Wildlife and management, Kuvempu University, SHIMOGA.

#### **EXTRA CURRICULAR ACTIVITIES.**

- SPORTS:** ● Represented Kuvempu University, Ball Badminton (1998-2001)
- Participated in tournaments of badminton, volley ball and ko-ko tournaments in the college
- NSS:** ● Member of National Service Scheme (NSS) in the College (1995-98)
- Member of National Service Scheme (NSS) in the Post Graduation unit (1998-2000).

#### **BOOKS PUBLISHED**

*Written chapters for three books.*

1. **Dayananda,G.Y.**, Sulabba Phatak and B.B. Hosetti. (2002). Studies on water quality of Gudavi wetlands. In: *Wetlands Conservation and Management*. Ed. B.B.Hosetti, Poiter publishers. Jaipur, Rajasthan.
2. **Dayananda,G.Y.** and B.B. Hosetti. (2009). Phytoplanktonic study of three freshwater ponds of Sorab, Shimoga district. In: *Plankton Dynamics of Indian Waters*. Ed. B.B. Hosetti, Prateeksha publications, Jaipur,India.



3. Hosetti.B.B and **Dayananda,G.Y.** (2009). Protozoa: An indicator of components of the “Activated Sludge” Ecosystem. In: ***Plankton Dynamics of Indian Waters***. Ed. B.B. Hosetti, Prateeksha publications, Jaipur, India.
4. Naik K.L, **Dayananda, G.Y.** and Hosetti, B.B. 2012. Impact of drought conditions on the nesting density of *Ploceus philippinus (L)* in the Mid-Western Ghats of Region of Karnataka. In: **Biological Resources for Sustainable Development**. Ed. Lingaraj Patro, Sonali Publications, New Delhi.
5. **Dayananda, G.Y.** and Hosetti, B.B. 2012. Diversity and abundance of waterbirds around Gudavi Bird Sanctuary, Sorab, Karnataka. In: ***Diversity and Physiological Processes***. Ed. P.V.Desai & R.Roy, Goa University, Goa.
6. **Dayananda,G.Y.** and B.B. Hosetti. (2018). Diversity, Density and Breeding ecology of wetland avifauna of Gudavi Bird Sanctuary, Sorab, Karnataka, India. In: ***Biodiversity Conservation (Applications and Implications)***. Ed. B. B. Hosetti & D Bharathi, Write & Print publications, New Delhi.

#### ***Books Published***

1. Hosetti B. B. and **Dayananda, G. Y.** 2010. **Karunaada Hakkigalu**, Published by Env't. Study center, Kids and Jnanasagar Nave Trust (R), Santhekadur, Shivamogga.