

## PERSONAL INFORMATION

Teodora Atanasova Staykova



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State personal website(s)

POSITION HELD AND  
RESEARCH FIELD

Assoc. Prof. of Genetics (General and Population Genetics)

## WORK EXPERIENCE

from 2008

**Assoc. Prof. of Genetics**

Plovdiv University „Paisii Hilendarski”

Lecturer in: General Genetics, Population Genetics

from 2012 to 2016

**Assoc. Prof. of Genetics, vice director**

Plovdiv University „Paisii Hilendarski”, Branch - Smolian

Basic activities in relation with educational and scientific work in the Branch - Smolian

from 2000 to 2008

**Head Assistant**

Plovdiv University „Paisii Hilendarski”

from 1997 to 2000

**Senior Assistant**

Plovdiv University „Paisii Hilendarski”

from 1992 to 1997

**Assistant**

Plovdiv University „Paisii Hilendarski”

Leader of exercises of General and Population Genetics

## EDUCATION AND TRAINING

from 1995 to 2003

**PhD of Genetics**

Въведете ниво от  
ЕКР, ако е  
приложимо

Plovdiv University „Paisii Hilendarski”

from 1986 to 1991

**Master of Biology**

Въведете ниво от  
ЕКР, ако е  
приложимо

Plovdiv University „Paisii Hilendarski”

## PERSONAL SKILLS

Mother tongue(s) Bulgarian

| Other language(s) | UNDERSTANDING                                                    |         | SPEAKING           |                   | WRITING |
|-------------------|------------------------------------------------------------------|---------|--------------------|-------------------|---------|
|                   | Listening                                                        | Reading | Spoken interaction | Spoken production |         |
| English           | B1                                                               | C1      | B2                 | B1                | B1      |
|                   | Replace with name of language certificate. Enter level if known. |         |                    |                   |         |
| Russian           | C1                                                               | C2      | C1                 | C1                | C1      |
|                   | Replace with name of language certificate. Enter level if known. |         |                    |                   |         |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

**Organisational / managerial skills**

- leadership of teams of scientific projects, leadership of student's practices in EU projects;
- drawing up of documents in relation with national accreditation procedures;
- working out educational plans and programs;
- organizing of inquiries;
- organizing of scientific forums

**Job-related skills**

- Lab skills in application of population genetics and cytogenetics methods

**Other skills**

- 

#### ADDITIONAL INFORMATION

**Publications**  
**Projects** Member of team of 18 projects, leader of 7 of projects  
**Conferences** Participation in 12 conferences and congresses  
**Seminars**  
**Honours and awards**  
**Memberships** Union of Scientists of Bulgaria (SUB); Black, Caspian Seas and Central Asia Silk Association (BACSA)  
**Courses**  
**Certifications**

#### PUBLICATIONS

Publications – 72  
Textbooks for students - 5  
Citations – more than 100  
IF – 5,482  
h-index - 6

Replace with list of publications or research.

#### LIST

of selected publications of Assoc. Prof. Teodora Atanasova Staykova, PhD

1. **Stoikova T.**, Popov P., Grekov D., Panayotov M. 1998. Genetic control of nonspecific esterases in mulberry silkworm (*Bombyx mori* L.) silk glands during ontogenesis. **Sericologia**, 38 (2), 237-242.
2. **Stoykova T.**, Popov P., Grekov D. 1999. Electrophoretic studies of water-soluble proteins of mulberry silkworm (*Bombyx mori* L.) testes during ontogenesis. **Sericologia**, 39 (4), 505 - 509.

3. Popov P., **Stoykova T.**, Dimitrov B. 1999. Genetic control, tissue and stage specificity of superoxide dismutases in the silkworm (*Bombyx mori*). **Cytobios**, 100, 111-118.
4. **Stoykova T.**, Popov P., Grekov D. 1999. Electrophoretic analysis of nonspecific esterases in silkworm (*Bombyx mori* L.) male genital organs during ontogenesis. **Sericologia**, 39 (4), 515-523.
5. **Stoykova T.** 2001. Electrophoretic analysis of nonspecific esterases in silkworm (*Bombyx mori* L.) fat body during ontogenesis. **Sericologia**, 41 (1), 1-13.
6. Ivanova E., **Staikova T.**, Velcheva I. 2002. Mutagenic effect of water polluted with heavy metals and cyanides on *Pisum sativum* plant *in vivo*. **Journal of Balkan Ecology**, 5 (3), 307-310.
7. Ivanova E., Velcheva I., **Staikova T.**, Kostadinova P. 2002. Somatostatic effect of heavy metal and cyanide contaminated water on *Pisum sativum* L. plant system *in vivo*. **Journal of Balkan Ecology**, 5 (4), 443-446.
8. Ivanova E., **Staikova T.**, Velcheva I., Kostadinova P. 2003. Study on the mutagenic effect of waters polluted with heavy metals and cyanides on *Allium cepa* plant system *in vivo*. **Journal of Environmental Protection and Ecology**, 4 (2), 280-283.
9. Ivanova E., **Staikova T.**, Velcheva I., Kostadinova P. 2003. Somatostatic effect of heavy metal contaminated waters in the region of the town of Panagjuriste, Bulgaria. **Journal of Environmental Protection and Ecology**, 4 (2), 284-287.
10. **Stoykova T.**, Popov P., Dimitrov B. 2003. Electrophoretic analysis of non-specific haemolymph esterases during silkworm (*Bombyx mori* L.) ontogenesis, **Sericologia**, 43 (2), 153-162.
11. **Staykova T.**, Popov P., Grekov D., Terzieva P. 2004. Isoelectric focusing of the hemolymph proteins of silkworm (*Bombyx mori* L.). **International Journal of Industrial Entomology**, 8 (1), 117-121.
12. **Staykova T.**, Popov P., Terzieva P. 2004. Isoelectric focusing of the proteins from some silkworm (*Bombyx mori* L.) organs. **Genetics and Breeding**, 33 (1-2), 29-35.
13. **Staykova T.**, Grekov D., Panayotov M. 2004. Electrophoretic analysis of nonspecific esterases in silkworm (*Bombyx mori* L.) female genital organs and eggs. **International Journal of Industrial Entomology**, 9 (1), 59-63.
14. **Staykova T.**, Ivanova E., Velcheva I. 2005. Cytogenetic effect of heavy-metal and cyanide in contaminated waters from the region of southwest Bulgaria. **Journal of Cell and Molecular Biology**, 4, 41-46.
15. Ivanova E., **Staikova T.**, Velcheva I. 2005. Cytogenetic testing of heavy metal and cyanide contaminated river waters in a mining region of Southwest Bulgaria. **Journal of Cell and Molecular Biology**, 4, 99-106.
16. **Staykova T.**, Ivanova E. 2006. Ontogenetic studies of fat body proteins mulberry silkworm (*Bombyx mori* L.) from spinning stage to imago. **Genetics and Breeding**, 35 (3-4), 51-57.
17. Ivanova E., **Staykova T.**, Bouga M. 2007. Allozyme variability in honey bee populations from some mountainous regions in the southwest of Bulgaria. **Journal of Apicultural Research**, 46 (1), 3-8.
18. **Staykova T.** 2007. Electrophoretic analysis of haemolymph proteins during silkworm (*Bombyx mori* L.) ontogenesis. **International Journal of Industrial Entomology**, 14 (1), 37-44.
19. Ivanova, E., **Staykova, T.** 2007. Stage specificity in the expression of proteins of honey bee fat body (*Apis mellifera* L.) in the course of ontogenesis. **Journal of Cell and Molecular Biology**, 6, 2, 129-135
20. **Staykova T.** 2008. Genetically-determined polymorphism of nonspecific esterases and phosphoglucosmutase in eight introduced breeds of the silkworm, *Bombyx mori*, raised in Bulgaria. 8pp. **Journal of Insect Science** 8:18, available online: [insectscience.org/8.18](http://insectscience.org/8.18).
21. Ivanova E., **Staykova T.**, Velcheva I. 2008. Cytotoxicity and genotoxicity of heavy metal- and cyanide-contaminated waters in some regions for production and processing of ore in Bulgaria. **Bulgarian Journal of Agricultural Science**, 14 (2), 262-268.

22. Vasileva Y., Tzenov P., **Staykova T.** 2009. Study on productivity and genotype structure by several enzyme loci of silkworm (*B. mori* L.) parthenoclones obtained by thermal and combined (low-high temperature) method. **International Journal of Industrial Entomology**, 18 (2), 131-134.
23. **Staykova T.**, E. Ivanova, P. Tzenov, Y. Vasileva, D. Arkova-Pantaleeva. 2009. Differentiation of silkworm (*Bombyx mori* L.) strains by isoenzyme markers. **Genetics and Breeding**, 38 (1), 47-55.
24. Ivanova E., Ivgin-Tunka R., **Staykova T.** 2009. Genetic characterization of honey bee (*Apis mellifera* L.) populations from Bulgaria using allozymes. *Genetics and Breeding*, 38 (1), 67-74.
25. Ivanova E., **Staykova T.**, Dhambazov B. 2009. Cytotoxicity and genotoxicity of the cyanoprokaryote *Nostoc microscopium*. **Genetics and Breeding**, 38 (1), 13-19.
26. **Staykova T. A.**, E. N. Ivanova, P. I. Tzenov, Y. B. Vasileva, D. B. Arkova-Pantaleeva and Z. M. Petkov, 2010. Acid phosphatase as a marker for differentiation of silkworm (*Bombyx mori*) strains. **Biotechnology & Biotechnological Equipment**, 24 (2), 371 – 374.
27. **Staykova T.**, E. Ivanova, G. Panayotova, I. Cvetkova, S. Dzhoglov and B. Dhambazov, 2010. General toxicity and genotoxicity of *Nodularia moravica* (Cyanoprokaryota, Nostocales). **Biotechnology & Biotechnological Equipment**. 24 (2), 397 – 400.
28. Ivanova E., **Staykova T.**, Petrov P. 2010. Allozyme variability in populations of local Bulgarian honey bee. **Biotechnology & Biotechnological Equipment**. 24 (2), 379 – 384.
29. **Staykova T.**, P. Popov, E. Ivanova. 2012. Breed specific expression of gut silkworm (*Bombyx mori* L.) nonspecific esterases. **Journal of BioScience and Biotechnology**, 1 (1), 27–31.
30. Ivanova E., **T. Staykova**, I. Stoyanov, P. Petrov. 2012. Allozyme genetic polymorphism in Bulgarian honey bee (*Apis mellifera* L.) populations from the south-eastern part of the Rhodopes. **Journal of BioScience and Biotechnology**, 1 (1), 45–49.
31. **Staykova T.**, Ivanova E., Grekov, D., Avramova K. 2012. Genetic variability in silkworm (*Bombyx mori* L.) strains with different origin. **Acta Zoologica Bulgarica**, Suppl. 4, 87-92.
32. Ivanova E., Bienkowska M., Panasiuk B., Wilde J., **Staykova T.**, Stoyanov I. 2012. Allozyme variability in populations of *A. Mellifera Mellifera* (Linnaeus 1758.), *A. M. Carnica* (Pollman, 1879) and *A. M. Caucasica* (Gorbachev, 1916) from Poland. **Acta Zoologica Bulgarica**, Suppl. 4, 79-86.
33. Ivanova E., Bouga M., **Staykova T.**, Mladenovic M., Rasic S., Charistos L., Hatjina F., Petrov P. 2012. The genetic variability of honey bees from the Southern Balkan Peninsula, based on alloenzymic data. **Journal of Apicultural Research**, 51 (4), 329-335. DOI 10.3896/IBRA.1.51.4.06
34. **Staykova T.** 2013. Inter- and intra-population genetic variability of introduced silkworm (*Bombyx mori* L.) strains raised in Bulgaria. **Journal of Bioscience and Biotechnology**, 2 (1), 73-77.
35. **Staykova T.**, Ivanova E., Tzenov P., Vasileva Y., Arkova-Pantaleeva D., Grekov, D., Avramova K. 2015. Genetic analysis of isoenzymes polymorphism in silkworm (*Bombyx mori* L.) strains and phylogenetic relationships. **Acta Zoologica Bulgarica**, 67 (1), 117-125.
36. Stoyanov I., **Staykova T.**, Stojanova A., Vasileva P., Ivanova E. 2015. Isoenzymic genetic variability in populations of *Messor structor*, (Hymenoptera, Formicidae) from Bulgaria, **Acta Zoologica Bulgarica**, 67 (3), 337-344.
37. Stoyanov I., Ivanova E., Vasileva P., **Staykova T.** 2015. Soluble proteins in *Messor structor* (Latreille, 1798) (Hymenoptera: Formicidae) populations from Bulgaria – genetic variability and possible usage as population-genetic markers. **ZooNotes**, 72: 1-9.

#### Textbooks

38. Ivanova E., **Staykova T.**, Irikova T. 2001. Human Genetics (with elements of General Genetics), Publishing house of Plovdiv University "Paisii Hilendarski", 2001, pp. 206.
39. Ivanova E., **Staykova T.**, Irikova T. 2002. Handbook of Genetics, Publishing house of Plovdiv University "Paisii Hilendarski", 2002, pp.90.

40. Grekov D., Arnaudova K., **Staykova T.** 2005. Book for teacher of silkworm breeding, Publisher LAX advertising, 2005, pp. 99.
41. Ivanova, E., **Staykova T.**, Andreenko E. Genetics with Biological bases of behavior and Psychogenetics. Publishing house of Plovdiv University "Paisii Hilendarski", 2011, pp. 380.
42. Ivanova, E., **Staykova T.**, Andreenko E., Vasileva P., Kalaidjieva V., Stoyanov I., Djoglov S., Doncheva V., Panajotova G., Tzvetkova I. Genetic bases of behavior. Publishing house of Plovdiv University "Paisii Hilendarski", 2011, pp. 237.