



PANOMIR IVANOV TZENOV

BIRTHDATE: 11.10.1961

BIRTHPLACE: Vratza, Bulgaria.

HOME ADDRESS: 5 A. Stamboliiski str., Vratza 3000, Bulgaria

CONTACTS: tel. +359888479438; +35992 642221; fax. +35992 645154; e-mail:
panomir@yahoo.com

EDUCATION: MSc., University of Zootechnics and Veterinary Medicine – Stara Zagora

SPECIALITY: Animal breeding engineer - sericulture

CAREER:

1986 – 1987: technologist in silkworm egg production at the “Silkworm breeding and egg production enterprise”, Vratza, under the Sericulture Experiment Station (SES) – Vratza.

1987 – 1989: head of the “Silkworm breeding and egg production enterprise”, Vratza, under the SES – Vratza.

1989 – present: Researcher and Associate professor in SES - Vratza

1994 – 2003 – Director of SES - Vratza

2000 – 2002: National director of the project TCP/BUL/0065 “Rehabilitation of sericulture”, financed by FAO.

2005 – present: President of Black, Caspian Seas and Central Asia Silk Association (BACSA).

2006 – 03.2007: Executive director of Bulgarian National Center of Agricultural Sciences (presently Agricultural academy), Sofia

03.2007 – present: Director of SES - Vratza

2002 – 2008: member of international “Working Group on Sericulture Germplasm” under FAO

2006 – 2008: member of international “Working group on the global silk handcraft cottage industries and silk enterprises development” under FAO.

2006 – 2008: member of the Publishing council at the National Center of Agricultural Sciences, Bulgaria

2007 - continues: Member of the Editorial board of the international scientific journal "Sericoltura", issued by the International Sericultural Commission, Lyon, France.

2010 - continues: Member of the Editorial board of International scientific journal "Agrarian - Economic Science and Technologies", published in Georgia.

SCIENTIFIC QUALIFICATION: 1989 – Research Officer III degree; 1991 – Research Officer II degree; 1994 – Research Officer I degree; 1996 – PhD - sericulture; 1998 – Senior Research Officer II degree (Associate professor) - sericulture.

KEY EXPERIENCE AND EXPERTISE: general sericulture: silkworm breeding, egg production, rearing technology, cocoon and silk processing;

MAIN SCIENTIFIC CONTRIBUTIONS: Development methodology of silkworm breeding for higher tolerance to unfavorable rearing conditions. Selection of silkworm breeds and hybrids with higher tolerance to physical stress. Selection of silkworm breeds and hybrids having higher cocoon and shell weight, shell ratio, filament length and raw silk percentage. Breeding 5 new silkworm sex-limited pure lines and one four – way F1 hybrid.

Determining the effect of the genotype and environment on the mulberry leaf ingestion, digestion and utilization in different Bulgarian silkworm breeds and hybrids, the effect of interactions genotype – environment on the phenotypic expression of the genes, responsible for silkworm diapause, the effect of some environment factors on the silkworm fecundity.

Investigations on possibilities for producing of compost by the wastes from silkworm rearing, such as mulberry leaf remnants, shoots, branches and silkworm excrements, and establishing a technology for wasteless cocoon production in the sericultural farm.

Development of a method for determination the balance of nitrogen in silkworm body and nitrogen obtained by 0.1 ha mulberry plantation which will take place in scientific investigation as model for establishment of new technological decisions for producing of maximal amount of proteins in the form of cocoons and raw silk.

Studies on the influence of different silkworm breeds and hybrids, terms of beginning the spring silkworm rearing and increased concentrations of heavy metals in mulberry leaves on the mulberry leaf ingestibility, digestibility and utilization by the silkworms.

Working out of labor – saving technologies for silkworm rearing and industrial methods of silkworm egg production.

Working out of cottage based technology for cocoon drying, silk reeling and processing, suitable for the Bulgarian conditions.

ABROAD MISSIONS AND QUALIFICATIONS:

1988: Ukraine, Agricultural academy, Sericulture Research Institute, Merefa, Kharkov district, Silkworm egg production enterprise in Mirgorod – 20 days

1991: Ukraine, Agricultural academy, Sericulture Research Institute, Merefa, Kharkov district, participation at international conference on the world sericulture industry problems – 7 days

1995: Republic of Korea, Sericulture and Entomology Research Institute, Suwon, participation at sericulture training course – 45 days.

1998: Greece, Agricultural Research Station, Komotini, head of joint research project – 5 days.

1998: Ukraine, Agricultural academy, Sericulture Research Institute, Merefa, Kharkov district, participation at international sericultural conference – 7 days

1998: Egypt, Agricultural company “Agromier”, Cairo, head of joint research project – 7 days.

1999: Egypt, participation at the 18th congress of the International Sericultural Commission –

7 days

2000: Greece, Agricultural research station, Komotini, head of joint research project – 5 days.

2002: (February) Thailand, Bangkok, Ministry of Agriculture, Department of Agricultural Extension, specialization in sericulture management and extension service, 10 days.

2002: China, Hangzhou, Zhejiang National University, specialization in training of university students in sericulture, and general sericulture, 10 days

2002: South Korea, Suwon and Daegu, Kyung – pook National University, specialization in silk processing and production of ready garment, 10 days.

2002: (September) Thailand, Bangkok, 19th congress of the International Sericultural Commission & The first international conference on Conservation Status of Sericulture Germplasm of the World, organized and supported by the FAO, participation as invited lecturer, 7 days.

2002: Greece, Thessalonica, 7th European congress in entomology, scientific conference: "New prospects of the European sericulture", participation as invited lecturer, 5 days.

2002: Greece, Athens, International sericulture conference, participation with scientific paper, 4 days.

2003: Italy, Rome, FAO, International consultant of FAO, 7 days.

2003: Azerbaijan, International consultant of FAO, 7 days.

2003: Georgia, International consultant of FAO, 7 days.

2003: Uzbekistan, International consultant of FAO, 7 days.

2004: Italy, Rome, International consultant of FAO, 3 months.

2005: Italy, Rome, International consultant of FAO, 4 months.

2005: Uzbekistan, Tashkent, FAO consultant in organization of "International Workshop on Revival and Promotion of Sericultural Industries and Small Enterprise Development in the Black, Caspian Seas and Central Asia Region", Tashkent, Uzbekistan 11 - 15 April 2005, 15 days

2005 – 2006: Bulgaria and Turkey, FAO consultant on the silk handcraft cottage industries and small silk enterprises development and co-organizer of "International Workshop on Silk Handcrafts Cottage Industries and Silk Enterprises Development in Africa, Europe, Central Asia and the Near East & Second Executive Meeting of Black, Caspian seas and Central Asia Silk Association (BACSA)" Bursa, Turkey, 6 -10 March 2006

2006: Romania, Bucharest, participation at the 4th meeting of the Union of European Academies for Science Applied to Agriculture, Food and Nature and visit the commercial society "Sericarom", 4 days.

2007: Greece, Agricultural Research Station, Komotini, joint research project – 4 days.

2007: Japan, Kyushu University and Kyoto University: visit the National silkworm gene bank of Japan, participation with a paper at an international meeting on the global problems of conservation and utilization of silkworm genetic resources, 7 days.

2007: Romania, August, Bioengineering, Biotechnology and Environment Protection Institute, Bucharest, participation in an international conference as invited speaker and chairman of section.

2007: Thailand, Bangkok, participation as an invited speaker at the Thai Silk Fair 2007, August, 7 days

2007: Romania, November, visit the University of Agricultural Sciences and Veterinary Medicine, Cluj Napoka and participation at the "36th International Session of Scientific Communications", organized by the University of Agricultural Sciences and Veterinary Medicine, Bucharest, 7 days

2008: India, March, participation at the "International Conference on Trends in Seribiotechnology, 27 - 29, March, SK University, Anantapur, India, 7 days

2008: Bahrain, March, survey on the local silk market, 2 days

2008: Romania, April, participation at the international conference "Sericulture in the 3rd millenium - tradition and modern biotechnology in FP 7", 17 - 18 April, University of Agricultural sciences and Veterinary Medicine, Cluj Napoca, 4 days

2008: Romania, participation at the international conference "Exploitation of agricultural and food industry by - products and waste material through the application of modern processing techniques", 1 - 3 July, Bucharest.

2008: Greece, participated at the 21st Congress of the International Sericultural Commission, 3 - 6 November, Athens.

2009: Romania, participated at the international workshop "Use of sericulture wastes and by products in phytotherapy and other non - textiles purposes", S.C.BIOING S.A. 2-3 April 2009, Bucharest, Romania

2009: Moldova, visited the Moldavian Academy of Sciences, April.

2009: China, participation in the 2009 China International Silk Forum, 18 - 20 October, Hangzhou and visit different sericultural sites in China, 10 days.

2010: Thailand, participation at "ASEAN Sericulture Conference 2010 and ASEAN Silk Fabric and Fashion Design Contest 2010", 22 - 27 August, Nontaburi, Thailand, 10 days.

2010: USA, visited Entogenetics Inc., Charlotte, North Carolina, November, 10 days.

2011: Romania, participation at the International conference "Sericulture for multi products - new trends for development" and the 5th BACSA meeting, Bucharest, April, 5 days.

NUMBER OF SCIENTIFIC PUBLICATIONS: 237, including 127 abroad

Author's certificates for commercial silkworm hybrids: – 4.

Foreign languages: English and Russian in writing and speaking