

## **Dr. Theano Lazaridou**

Academic Position : Professor University of Western Macedonia

Discipline : Genetics and Plant Breeding

### **Education**

- Sept. 1977 - Dec.1982 Diploma in Agriculture (School of Agriculture and Forestry Aristotle University of Thessaloniki)
- Oct. 1983 – May 1987 Master of Science in Agronomy, Genetics and Plant Plant breeding (School of Agriculture Aristotle University of Thessaloniki) Title of thesis: “Intraspecific variation in the mean endosperm cell cycle time of *Vicia narbonensis*”
- May 1987 – July 1991 Ph.D. in Genetics and Plant Breeding School of Agriculture and Forestry Aristotle University of Thessaloniki). Title of thesis :“Interspecific hybridization between *Vicia faba* and *V. narbonensis*”

### **Post-doctoral training**

- ✓ 15 November 1991– 29 November 1991, Participation in the course titled θέμα “Sexual plant reproduction”. In Siena Italy
- ✓ 1 November 1993– 1 November 1995: Post-doctoral fellow, Department of Genetics and Plant Breeding , titled “ Interspecific hybrids between fababeans (*Vicia faba* L.) and the wild species *V.narbonensis*”.

### **Awards**

- ✓ Christidi Award for the better presentation at the Third National Conference of the Hellenic Scientific Society of Genetics and Plant Breeding.
- ✓ Christidi Award for the best doctoral thesis of the period 1990-1994.

### **Scientific interests**

- Interspecific hybridization between cultivated species and wild relatives species
- Tissue, ovule and anther culture
- Use of tissue culture in embryo-rescue.
- Use of anther culture in the production of inbred lines
- Production of new varieties grown under low inputs
- Recording, protection and development of traditional local varieties of different cultivated species

### **Employment**

- ✓ 23 April 1997 – 15 October 2001 Agriculturist Research Investigator at Tobacco Institute of Drama
- ✓ 16 October 2001 – 3 October 2005 Agriculturist at Variety Research Institute of Cultivated Plants.
- ✓ 4 October 2005 – 14 May 2013: Assistant professor at the Department of Agricultural Production, School of Agricultural Technology, Western Macedonia, University of Applied Sciences, Branch of Florina, in “ Genetics and Agriculture”.
- ✓ 15 May 2013 – 5 June 2017: Associate professor at the Department of Agricultural Production, School of Agricultural Technology, Western Macedonia, University of Applied Sciences in “Genetics and Agriculture”. From 5/6/2013

- (ΦΕΚ 143/5.6.2013) department of Agricultural Technologists, School of Agriculture Technology Food Technology and Nutrition
- ✓ 6 June 2017 – 6 June 2019 Professor at the Department of Agricultural Technologists, School of Agricultural Technology Food Technology and Nutrition of Technological Education Institute of Western Macedonia in “Genetics and Agriculture”.
  - ✓ 7 June 2019 until now Professor at the Department of Agriculture, School of Agricultural Sciences of University of Western Macedonia in “Genetics and Agriculture”.

### **Research projects participation**

- ✓ **1/4/1988 – 30/6/1988 and 16/9/1991 – 15/10/1991** Research Assistant in the research project of the Research Committee of AUTH titled “the problem of restructuring of crops and the need to produce concentrated nitrogenous feed.”
- ✓ **10/12/1988 - 09/12/1990** Research Assistant in the research project of the Research Committee of AUTH titled “Intersecific hybrids in fababeans (*V. faba* L.) and the genetic study of resistance to fungus *Sclerotinia sclerotiorum* in order to produce new fababeans varieties resistant to this fungus”.
- ✓ **11/1991 - 11/1993** Research Assistant in the research project of the General Secretariat of Research and Technology and the company VIORIL titled “Colors and perfumes” .
- ✓ **11/1993 - 11/1995** Researcher in the research project of the Research Committee of AUTH titled “Interspecific hybrids between fababeans (*V. faba* L.) and the wild species *V.narbonensis*”.
- ✓ **8/1995 - 9/1995** Research Assistant in the research project of the Research Committee of University of Athens titled «Plant molecular genetics for an environmentally compatible agriculture».
- ✓ **6/2001 - 7/2003** Researcher and co- coordinator in the European research project 96/T/35 titled «Monitoring and Minimizing heavy metal contents in tobacco» of the Tobacco Institute of Drama
- ✓ **1/1/2014 -31/12/2015** Principal Investigator in the research project of ELKE University of Applied Sciences of Western Macedonia, titled «Production of high yielding bread and durum wheat cultivars resistant to drought»
- ✓ **1/10/2016 – 30/9/2018** Principal Investigator in the research project of ELKE University of Applied Sciences of Western Macedonia, titled « Production of high yielding doubled haploid lines of durum wheat resistant to drought »
- ✓ **1/5/2019 – 31/3/2021** Principal Investigator in the research project of ELKE University of Western Macedonia, titled: « Yield and chemical composition of herb after intercropping between legumes and cereal cultivation in the Florina region».

### **PUBLICATIONS**

- Lazaridou, T.B.,** D.G. Roupakias and A.S. Tsaftaris, 1989. Early embryo-sac development and intraspecific variation in the mean endosperm cell cycle time in *V. narbonensis* (L.). *Plant Breeding* 103, pp 336-345.2.
- Lazaridou, T.B.,** and D.G. Roupakias, 1991. Early embryo-sac development in faba beans (*Vicia faba* L.). *Plant Breeding* 107, pp 338-341.

- Lazaridou, T.B.**, and D.G. Roupakias, 1993. Intraspecific Variation in Mean Endosperm Cell Cycle Time in *Vicia faba* (L.) and Interspecific hybridization with *Vicia narbonensis* (L.). *Plant Breeding* 110, pp 9-15.
- Lazaridou, T.B.**, D.G. Roupakias and A.S. Economou, 1993. Embryo rescue in *Vicia faba* and *Vicia narbonensis*: *Plant Cell, Tissue and Organ Culture* 33, pp 297-301.
- Roupakias, D.G., A.S. Tsaftaris and **T.B. Lazaridou**, 1993. Breeding for low tannin content of small seeded *Vicia faba* cultivars: *Fabis Newsletter* 32, pp 3-7.
- Evgenidis G., E. Bletsos, K. Hondrogianni, S. Papastefanou, N. Agelidis, **T. Lazaridou** and Θ. Sfakianakis, 1995. The influence of planting date of five different maturity corn hybrids on its yield and other traits: *Geotechnic Scientific Issues*. 6- 4, pp: 27-33.
- Roupakias, D., A. Zesopoulou, S. Kazolea, G. Dalkalitses, A. Mavromatis and **T. Lazaridou**, 1996. Effectiveness of early generation selection under two plant densities in faba beans (*Vicia faba* L): *Euphytica*93: pp 63-70.
- Papadopoulou A. D., D.G. Roupakias, **T.B. Lazaridou** and A.G. Manromatis, 1997. Effect of nutrient medium, age of ovules and female parent on the in vitro embryo rescue of the interspecific hybrid *Nicotiana tabacum* x *Nicotiana alata*. *Geotechnic Scientific Issues*. 8-1, pp. 4-12.
- Xynias, Θ. N., Roupakias, D. G., and **Lazaridou, Th.** 1999. Production and description of the first Hellenic primary triticale lines (X *Triticosecale* Wittmack). *Geotechnic Scientific Issues* 10 pp:50-55.
- Lazaridou, T.B.**, A.S. Lithourgidis, S.T. Kotzamanidis and D.G. Roupakias, 2005. Anther culture response of barley genotypes to cold pretreatments and culture media. *Russian Journal of Plant Physiology* 52, pp.696-699.
- Lazaridou, T.**, I. Sistanis, A. Lithourgidis, H. Ambrus and D. Roupakias 2011. Response to in vitro anther culture of F3 families originating from high and low yielding F2 barley (*Hordeum vulgare* L.) plants. *Australian Journal of Crop Science*, 5(3) pp: 262-267.
- Vlachostergios D., A. Lithourgidis, A. Korkovelos, D. Baxevanos, **T. Lazaridou**, A. Khah, A. Mavromatis, 2011. Mixing ability of conventionally bred common vetch (*Vicia sativa* L.) cultivars for grain yield under low-input cultivation. *Australian Journal of Crop Science*, 5(12) pp: 1588-1594.
- Lazaridou T.**, A. Lithourgidis , S. Kotzamanidis, I. Sistanis and D. Roupakias 2013. Evaluation of DH lines produced from superior F3 plants and corresponding breeding lines in barley. *Australian Journal of Crop Science* 7(10) pp: 1430-1435.
- Peros, H., Dalezios, G., Liakakos, E., Delis, C., **Lazaridou, T. B.** and Xynias, I. N. " 2014. Molecular detection of the 1BL.1RS. translocation in Hellenic bread wheat cultivars.", *Cereal Res. Commun.* 43 pp: 318-325.
- Lazaridou, T.B.**, Ch. Pankou, IN., Xynias, and D., Roupakias, 2016. "Effect of D genome on wheat anther culture response after cold and mannitol pre-treatment. " *Acta Biologica Cracoviensia Series Botanica* 58/1 pp: 95-102.
- Lazaridou, T.B.**, Ch. Pankou, IN., Xynias, and D., Roupakias, 2017. "Effect of the 1BL.1RS wheat -rye translocation on the androgenic response in spring bread wheat". *Cytology and Genetics*, 2017, Vol. 51, No. 6, pp. 491–496.

- Gkalitsas T., **T.B. Lazaridou** 2020. "Yield of Grain Legumes intercropping with Cereals in the Florina area in Greece" *Agrofor International Journal*, 5 (3) pp 100-104
- Papanaoum, G., E. Bouloumpasi, **T.B. Lazaridou** 2020. Silage yield and protein content of forage legumes intercropping with cereals. *Agrofor International Journal* 5 (2), pp 70-74.

## IN PROCEEDINGS OF CONFERENCES (AFTER JUDGMENT)

- Lazaridou, T.B.**, D.G. Roupakias and A.S. Tsiftaris, 1986. Early endosperm development and intraspecific variability in the mean endosperm cell cycle time in *Vicia faba* L. and *V. narbonensis* L. *Proceedings of International Food Legume Research Conference*, July 7-11, 1986, Spokane, Washington State, USA: 35.
- Lazaridou, T.**, D.G. Roupakias and A.S. Tsiftaris, 1988. Prospects and limitations of interspecific hybridization in fababeans: Intraspecific variability in the mean cell cycle in *Vicia faba* and *V. narbonensis*. *Proceedings of 2nd Conference of the Hellenic Scientific Society of Genetics and Plant Breeding*, 20-21 October 1988, Thessaloniki: 274-278.
- Lazaridou, T.B.**, D.G. Roupakias and A.S. Economou, 1990. Embryo rescue in *Vicia faba* and *Vicia narbonensis*. *Proceedings of VIIth International Congress on Plant Tissue and Cell Culture*, June 24-29, 1990, Amsterdam.
- Lazaridou, T.B.**, D.G. Roupakias and A.S. Economou, 1990. Interspecific hybrids and embryo culture in *Vicia faba* *Vicia narbonensis*. *Abstracts of 3rd Conference of the Hellenic Scientific Society of Genetics and Plant Breeding*, 16-18 October, 1990, Athens: 26-27.
- Lazaridou, T.B.**, and D.G. Roupakias, 1992. Interspecific hybrids between *V. faba* and *V. narbonensis*: A future prospect. *Proceedings of 1st European Conference on Grain Legumes*, June 1-3, 1992, Angers, France.
- Lazaridou, T.B.**, and D.G. Roupakias, 1992. Effect of genotype in embryo rescue of *Vicia faba* and *Vicia narbonensis*. *Abstracts of 4th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding*, October, 1992, Thessaloniki: 52.
- Mavromatis, A., D. Roupakias and **T. Lazaridou**, 1992. Response to in vitro anther culture of cotton (*Gossypium* spp). *Abstracts of 4th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding*, October, 1992, Thessaloniki: 53.
- Zesopoulou, A., S. Kazolea, G. Dalkalitses, A. Mavromatis and **T. Lazaridou** 1994. Effectiveness of two methods of evaluation and early generation selection in faba beans (*Vicia faba* L): *Abstracts of 5th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding*, 18-20 October, 1994, Volos: 287.
- Hondrogianni A., Θ. Sfakianakis, G. Evgenidis, E. Bletsos, S. Papastefanou, N. Agelidis, **T. Lazaridou** και K. Thanassouloupoulos, 1994. Resistance to fusarium of corn genetic material. *Abstracts of 5th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding*, 18-20 October, 1994, Volos: 289.

- Lazaridou, T.B.**, and D.G. Roupakias, 1995. Intraspecific hybrids and embryo rescue in *Vicia narbonensis* L. Proceedings of 2nd European Conference on Grain Legumes: July, 9-13, 1995, Copenhagen, Denmark: 226.
- Xynias, Θ.N., D.G. Roupakias and **T.B. Lazaridou**, 1996. Primary triticale (X Triticosecale Wittmack) production using Hellenic durum wheat and rye germplasm. Abstracts of 6th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 2-4 October, 1996, Florina: 47.
- Bletsos F.A., D.G. Roupakias, K.K. Thanassoylopoulos and **T.B. Lazaridou**, 1996. Production of interspecific hybrids between three Hellenic egg plant varieties (*Solanum melongena*) and the wild species *Solanum torvum* and *Solanum sisymbriifolium*. Proceedings of 6th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 2-4 October, 1996, Florina: 143-146.
- Matsi, Th., Q. Strouthopoulos, N. Barbayiannis, N. Tsotsolis, **Th. Lazaridou**, 2001. Phosphorus fertilization impact on the yield and heavy metal concentration in tobacco variety ΚΣ 82. Proceedings of Join Meeting of the Coresta Agronomy & Phytopathology Study Groups: September 30- October 4, 2001, Cape Town, South Africa.
- Tsotsolis, N.C., **T.B. Lazaridou**, Th. Matsi, E. Bargiacchi, S. Miele, N. Barbayiannis, O. Kosmidou, and O. Olivieri, 2002. Growth and heavy metals content of different tobacco types cultivated in Greece and in Italy. Proceedings of Coresta Congress: September 21-28, 2002, New Orleans USA: AP31
- Miele, S., N. Barbayiannis, E. Bargiacchi, L. Foschi, O. Kosmidou, **T. Lazaridou**, Th. Matsi, O. Olivieri, and N. Tsotsolis, 2002. Phosphate application and tobacco heavy metal leaf concentrations. Results of the 3-year E.U. funded 96/T/35 project in Italy and Greece. Proceedings of Coresta Congress: September 21-28, 2002, New Orleans USA: AP24.
- Lazaridou T.B.**, A.S. Lithourgidis, S.T. Kotzamanidis and D.G. Roupakias, 2002. Response to anther culture of barley (*Hordeum vulgare* L.) genotypes. Proceedings of 9th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 30 October –1 November, 2002, Thessaloniki: 305-309.
- Lazaridou T.B.**, I. Sistanis and D.G. Roupakias, 2004. Effect of colchicines to doubled haploid production after barley anther culture. Abstracts of 10th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 24-26 November, 2004, Athens: 54.
- Sistanis I., **T.B., Lazaridou**, A.S. Lithourgidis, S.T. Kotzamanidis and D.G. Roupakias, 2004. Response to anther culture of high and low-yielding barley F3 families. Proceedings of 10th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 24-26 November, 2004, Athens: 116-120.
- Lazaridou, T. B.**, A.S. Lithourgidis, Θ.Z. Sisanis, S. Th. Kotzamanidis και D.G. Roupakias, 2006. Relationship between morphological traits and yield of barley inbred lines. Abstracts of 11th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, October, 2006, Orestiada .
- Lithourgidis, A.S., C.A., Dordas, **T.B., Lazaridou**, I., Papadopoulos, 2008. Silage yield and protein content of common bean intercropped with corn in two row replacements. Proceedings of 10th Congress of the European Society for Agronomy, 15-19 September 2008, Bologna, Italy.

- Lazaridou, T. B.**, A.S. Lithourgidis, S. Th. Kotzamanidis, Θ.Z. Sistanis, και D.G. Roupakias, 2008. Evaluation of doubled haploids and inbred lines of barley. Proceedings of 12th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 8-10 October, 2008, Naoussa: 49-52.
- Lithourgidis, A.S., C.A., Dordas, **T.B.**, **Lazaridou**, I., Papadopoulos, 2008. Interspecific competition in common bean intercropped with corn. Proceedings of 12th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 8-10 October, 2008, Naoussa: 254-258.
- Evgenidis, G., **T.**, **Lazaridou**, B. Mellidis, και Θ. Sistanis, 2008. Genetic relationships between Greek maize populations based on their primary characteristics. Proceedings of 12th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 8-10 October, 2008, Naoussa: 311-315.
- Evgenidis, G., **T.**, **Lazaridou**, B. Mellidis και H. Avdikos, 2008. Description of six Hellenic corn populations. Abstracts of 12th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, 8-10 October, 2008, Naoussa,.
- Lazaridou, Th.**, P. Lolas, 2009. Different genotypes in population of stevia. Abstracts of 24th Conference of the Hellenic Society of the Science of Fruits. October 2009 Veria
- Lazaridou, Th.**, Pankou, Ch., Xynias, Θ.N., Kaltsikis, P. and Roupakias, D. G. 2010. Effect of D genome to androgenic response in bread wheat. Abstracts of 13th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding. Kalamata, October 13-15, 2010: 32
- Lazaridou, Th.**, A. Georgiadou and P. Lolas, 2010. Morphological characteristics and concentration of sweeteners in different genotypes of stevia (*Stevia rebaudiana*). Proceedings of 13th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding., October 13-15, 2010, Kalamata: 127-133
- Georgiadou A., **Th.**, **Lazaridou**, S. Souipas, E. Vardavakis and P. Lolas , 2010. Transplantation distances and agronomic characteristics of a new crop stevia (*Stevia rebaudiana*). Proceedings of 13th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding., October 13-15, 2010, Kalamata: 134-139
- Lazaridou, Th.**, A. Georgiadou and P. Lolas, 2011. Evaluation of stevia genotypes under the Hellenic climatic conditions. Proceedings of 25th Conference of the Hellenic Society of the Science of Fruits. Lemesos, Cyprus October 2011, 243-245.
- Georgiadou A., **Th.**, **Lazaridou**, P. Gianouli, and P. Lolas, 2011. Concentration of sweeteners in five populations of stevia (*Stevia rebaudiana*). Proceedings of 25th Conference of the Hellenic Society of the Science of Fruits. Lemesos, Cyprus October 2011, 240-242.
- Lazaridou, T. B.**, Pankou, Ch., Xynias, Θ. N. and Roupakias, D. G. 2012. Effect of the 1BL/1RS translocation on androgenic response in bread wheat. p. 63. Proceedings of 14th Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, October 10-12, 2012, Thessaloniki. 39
- Lazaridou, Th.**, and P. Lolas, 2013. In vitro propagation of stevia. Proceedings of 26th Conference of the Hellenic Society of the Science of Fruits. October 2013, Kalamata: 394-397.

- Lazaridou, T.B.**, I.N., Xynias, Ch., Pankou, and D.G. Roupakias, 2014. Effect of the 1BL.1RS wheat-rye translocation on androgenic response in bread wheat.", In Kalogerakis, N. and Manios, Th. (eds.) Book of abstracts of 11th International Phytotechnologies Conference 2014, Heraklion (Crete), Greece, September 30 October 3, 2014.
- Xynias, I.N., **T.B. Lazaridou**, Ch., Pankou, A., Mavromatis and D.G. Roupakias, 2014. "Advantages and disadvantages of the presence of the 1BL.1RS wheat-rye translocation in sustainable wheat production", In Kalogerakis, N. and Manios, Th. (eds.) Book of abstracts of 11th International Phytotechnologies Conference 2014, Heraklion (Crete), Greece, September 30-October 3, p.305.
- Xynias, I.N., E. Korpekis, and **Th. Lazaridou** 2014. Zea: myth or reality? Proceedings of the 15th National Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, October 15-17, 2014, Larissa, 223-226.
- Xynias, I.N., **T.B. Lazaridou**., E. Korpekis., M., Irakli., and N., Kozub, 2014. Durum wheat germplasm developed at the Cereal Institute. Proceedings of the 15th National Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, October 15-17, 2014, Larissa : 55-59.
- Xynias, I. N., **T.B. Lazaridou**., E. Korpekis., M., Irakli., and N., Kozub, N. 2014. Bread wheat germplasm developed at the Cereal Institute. Proceedings of the 15th National Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, October 15-17, 2014, Larissa: 60-64.
- Lazaridou, T.B.**, Ch., Pankou I.N., Xynias, and D.G. Roupakias., 2014. Anther culture response of Hellenic durum wheat (*Triticum durum* L.) cultivars. Abstracts of 15<sup>th</sup> Conference of the Hellenic Scientific Society of Genetics and Plant Breeding, October 15-17, 2014, Larissa:90.
- Lazaridou, T.B.**, and I.N., Xynias, 2015. Dogwood: the Hellenic super food. p.106. Abstracts of 27th Conference of the Hellenic Society of the Science of Fruits. September 28-29, 2015, Valis Resort Hotel, Volos. 44.
- Lazaridou, T.B.**, and I.N., Xynias. 2015., " Doubled haploid line production in durum wheat: present status and future8. prospects. ", Proceedings of VI International Agricultural Symposium "AGROSYM", Jahorina, 15-18 October 2015, Bosnia and Herzegovina., 2015
- Theano B. Lazaridou** and Ioannis N. Xynias, 2017. "In- vitro screening of durum and bread wheat genotypes for drought resistance using polyethylene glycol" Proceedings of VII International Agricultural Symposium "AGROSYM", Jahorina, 5-8 October 2017, Bosnia and Herzegovina.pp 276-281, 2017
- Chryssanthi I. Pankou, Fokion Papathanasiou, **Theano B. Lazaridou**, Ioannis N. Xynias, 2017 "Study of the performance of bread wheat cultivars carrying the 1BL.1RS wheat-rye chromosomal translocation with physiological criteria", Proceedings of VII International Agricultural Symposium "AGROSYM", Jahorina, 5-8 October 2017, Bosnia and Herzegovina pp 251-255, 2017
- Lazaridou T.B.** and F. Tzioumerka, 2018. Study of the performance of greek Durum wheat cultivars in a cold environment Proceedings of IX Internaional Agricultural Symposium "AGROSYM", Jahorina, 4-7 October 2018, Bosnia and Herzegovina. pp 170-174, 2018

**Lazaridou T.B.** and A. Anastasiadou, 2019 Study of the performance of durum wheat cultivars in a cold environment after a three years experiment. Proceedings of 5<sup>th</sup> IAC International Agriculture Congress, Istanbul, 21-24 August 2019, Istanbul, Turkey pp 117-119