

## CURRICULUM VITAE.....Dr. Leonidas Charistos:

### Studies:

1989-1995: B. Sc in Agriculture, Agricultural University of Belgrade

2008-2013: PhD Studies in Apiculture, Agricultural University of Belgrade

### Languages;

Greek and Serbian very well

English, moderate

### Work:

2001-2002: Agriculturist in the Regional Agricultural Department  
of Chalkidiki

2002- till today: Research Assistant in Hellenic Institute of Apiculture

### Key Research Areas:

Bee breeding,

Honey bee queen quality,

Bee diseases control

### Publications:

1. **Charistos, L** (2013) Morphological, genetical and productive characteristics of honey bee (*Apis mellifera* L.) populations in the phytosociological composition of North and Central Greece. [Morfološke, genetske i proizvodne karakteristike populacija medonosnih pčela (*Apis mellifera* L.) u zavisnosti od sastava fitocenoza severne i centralne Grčke] *PhD Thesis*. Faculty of Agriculture, University of Belgrade, Serbia. 131 pp.
2. F. Hatjina, L. **Charistos** (2005). Indirect effects of oxalic acid administered by trickling method on honey bee brood. *Journal of Apicultural Research* 44(4): 172-174
3. F. Hatjina, M. Bouga, A. Karatasou, A. Kontothanasi, **L. Charistos**, C. Emmanouil, N. Emmanouil, AD. Maistros (2010) Pilot survey of honey bee colony losses in Greece (2007 & 2008) *Journal of Apicultural Research – Special Edition* 49(1): 116-118
4. F. Hatjina, G. Tsoktouridis, M. Bouga, **L. Charistos**, V. Evangelou, D. Avtzis, I. Meeus, M. Brunain, G. Smagghe, Dirk C. de Graaf (2011). Polar tube protein gene diversity among *Nosema ceranae* strains derived from a Greek honey bee health study. *Journal of Invertebrate Pathology* 108: 131–134. doi:10.1016/j.jip.2011.07.003
5. Cecilia Costa, Ralph Büchler, Stefan Berg; Malgorzata Bienkowska, Maria Bouga, Dragan Bubalo, **Leonidas Charistos**, Yves Le Conte, Maja Drazic, Winfried Dyrba, Janja Fillipi, Fani Hatjina, Evgeniya Ivanova, Nikola Kezic, Hirsula Kiprjanovska, Michalis Kokinis, Seppo Korpela, Per Kryger, Marco Lodesani, Marina Meixner, Beata Panasiuk, Hermann Pechhacker, Plamen Petrov, Eugenia Oliveri, Lauri Ruottinen, Aleksandar Uzunov, Giacomo Vaccari, Jerzy Wilde (2012) A Europe-wide experiment for assessing the impact of genotype-environment interactions on the vitality of honey bee colonies: methodology. *Journal of Apicultural Science*, 56(1), 147-158
6. Evgeniya Ivanova, Maria Bouga, Teodora Staykova, Mica Mladenovic, Sladjan Rasic, **Leonidas Charistos**, Fani Hatjina, Plamen Petrov (2012) Study on genetic variability of honey bees from Balkan Peninsula based on alloenzymic data *Journal of Apicultural Research* 51(4): 329-335 . DOI 10.3896/IBRA.1.51.4.06
7. Hatjina F., Papaefthimiou C., **Charistos L.**, Dogaroglu T., Bouga M., Emmanouil C., Arnold G. (2013) Sublethal doses of imidacloprid decreased

size of hypopharyngeal glands and respiratory rhythm of honeybees in vivo. *Apidologie* DOI: 10.1007/s13592-013-0199-4

8. Francis, R M; Kryger, P; , Meixner M; Bouga M, M; Ivanova, E; Andonov, S; Berg, S; Bienkowska M; Büchler R; **Charistos L**; Costa C; Dyrba W; Hatjina F; Panasiuk B; Pechhacker H; Kezic N; Korpela S; Le Conte Y; Uzunov A; Wilde, J (2014a) The genetic origin of honey bee colonies used in the Genotype-Environment-Interactions experiment: a comparison of methods. *Journal of Apicultural Research*, 53(2): 188-204. <http://dx.doi.org/10.3896/IBRA.1.53.2.02>
9. Francis, R M; Kryger, P; Meixner M; Bouga M, M; Ivanova, E; Andonov, S; Berg, S; Bienkowska M; Büchler R; **Charistos L**; Costa C; Dyrba W; Hatjina F; Panasiuk B; Pechhacker H; Kezic N; Korpela S; Le Conte Y; Uzunov A; Wilde, J (2014b) The genetic origin of honey bee colonies used in the COLOSS Genotype-Environment Interactions Experiment: a comparison of methods. Supplementary Material. *Journal of Apicultural Research*, 53(2). <http://dx.doi.org/10.3896/IBRA.1.53.2.02>
10. Francis, R M; Amiri, E; Meixner M D; Kryger, P; Gajda, A; Andonov, S; Uzunov, A; Topolska, G; Topolska, G; Berg, S; Bienkowska, M; Bouga, M; Buchler, R; Berg, S; Bienkowska, M; Bouga, M; Buchler, R; **Charistos, L**; Dyrba, W; Hatjina, F; Ivanova, E; Kezic, N; Korpela, S; Le Conte Y; Panasiuk, B; Pechhacker, H; Tsoktouridis, G; Wilde, J (2014b) Effect of genotype & environment on parasite and pathogen levels in one apiary - A case study. *Journal of Apicultural Research*, 53(2): 230-232. <http://dx.doi.org/10.3896/IBRA.1.53.2.03>
11. Hatjina F, Costa C, Büchler R, Uzunov A, Drazic M, Filipi J, **Charistos L**, Ruottinen L, Andonov S, Meixner M, Bienkowska M, Gerula D, Panasiuk B, Le Conte Y, Wilde J; Berg S, Bouga M, Dyrba W, Kiprjanovska H, Korpela S, Kryger P, Lodesani M, Pechhacker H, Petrov P, Kezic N (2014) Population dynamics of European honey bee genotypes under different environmental conditions. *Journal of Apicultural Research*, 53(2): 233-247. <http://dx.doi.org/10.3896/IBRA.1.53.2.05>
12. Fani Hatjina, Malgorzata Bieńkowska, **Leonidas Charistos**, Robert Chlebo, Cecilia Costa, Maja Dražić, Janja Filipi, Aleš Gregorc, Evgeniya Neshova Ivanova, Nikola Kezic, Jan Kopernicky, Per Kryger, Marco Lodesani, Vesna Lokar, Mica Mladenovic, Beata Panasiuk, Plamen Pavlov Petrov, Slađan Rašić, Maja Ivana Smodis Skerl, Flemming Vejsnæs, Jerzy Wilde (2014) A review of methods used in some European countries for assessing the quality of honey bee queens through their physical characters and the performance of their colonies. *Journal of Apicultural Research*, 53(3): 337-363. DOI 10.3896/IBRA.1.53.3.02
13. **Charistos L.**, F. Hatjina, M. Bouga, M. Mladenovic, A-D. Maistros (2014) Morphological discrimination of Greek Honey Bee populations based on Geometric Morphometrics analysis of wing shape. *Journal of Apicultural Science* 58(1): 75-84. DOI: 10.2478/JAS-2014-0007
14. Aslı Özkirim<sup>a,b\*</sup>, Ömür Gençay Çelemli<sup>a,b</sup>, Aygün Schiesser<sup>a</sup>, **Leonidas Charistos<sup>c</sup>**, Fani Hatjina<sup>c</sup> (201?) Laboratory assay of Greek and Turkish propolis against *Paenibacillus larvae* (JAR- accepted)
15. F. Hatjina, K. M. Kasiotis, **L. Charistos**, K. Machera, N. Emmanouil (201?) Honey bee colony performance and imidacloprid residual analysis in cotton fields. (in preparation)
16. Asli Ozkirim, Fani Hatjina, Leonidas Charistos (201?) Endosymbionts in honey bee gut after prolonged winter (in preparation)
17. F Hatjina, **L Charistos**, M Mpokari, D. Arapoglou (201?) Use of oxalic acid under brood right condition and determination of residues in honey bee products (in preparation)

## Presentations in Scientific Conferences

18. Hatjina F., Baylac M., **Haristos L.**, Garnery L., Arnold G., Tsellios D. (2002) Wing differentiation among Greek populations of honey bee (*Apis mellifera*): a geometric morphometrics analysis. *Poster in the 7th European Entomological Congress*, Thessaloniki, October 7-13,
19. M. Palassopoulou, **L. Haristos**, M. Kalapanida, M. Kostarelou, D. Tsellios (2002) Identification of sugars in honeydew secretions by *Marchalina hellenica*. *Proceedings of the 1st Hellenic Scientific Conference in Apiculture - Sericulture, Athens, November 2002, p. 45*
20. **L. Haristos**, F. Hatjina, S. Gounari, D. Tsellios (2003) A method for determining the infestation level of *Nosema apis* in different areas of Greece. Poster 283 in *APIMONDIA 2003*, Ljubljana (Book of Abstracts, p. 608)
21. Hatjina F, Dimou M, **Haristos L.**, Kostarelou M (2004) Morphological characteristics of pollen from plants from Peloponnese. (Poster) *Proceedings of the 2<sup>nd</sup> Hellenic Scientific Conference in Apiculture – Sericulture, Athens 21-23 May 2004, p. 73.*
22. Tsellios D, **Haristos L**, Hatjina F, Kostarelou M, Dimou M (2004) Beekeeping flora of Peloponnese. (Abstract) *Proceedings of the 2<sup>nd</sup> Hellenic Scientific Conference in Apiculture – Sericulture, Athens 21-23 May 2004, p. 66.*
23. **Haristos L**, Hatjina F, Tsellios D (2004) Colour spectrum of pollen from Peloponnese plants (2004). (Poster) *Proceedings of the 2<sup>nd</sup> Hellenic Scientific Conference in Apiculture – Sericulture, Athens 21-23 May 2004, p. 70.*
24. F. Hatjina, **L. Haristos**, M. Bouga (2004) Geometric morphometrics analysis of honey bee populations from Greek mainland, Ionian islands and Crete island. Poster in *Proceedings of the First European Conference of Apidology*, Udine, 19-23 September, 2004 (p. 44)
25. F. Hatjina, **L. Haristos**, R. Paxton, V. Karipidou, K. Kritikopoulou, A. Mamouzi, V. Tsirakoglou (2006) Almond pollination and the use of hive entrance pollen transfer devices. *Proceedings of the Second European Conference of Apidology*, 10-14 September 2006, Prague, (p. 92).
26. Hatjina F, **Haristos L.**, Lambrinakos S., Petropoulos P., Apostoloudis N., Gerohimou St. (2007) Direct and indirect effects of oxalic acid administered by trickling method on honey bee colonies *Proceedings of the 3rd Hellenic Scientific Conference in Apiculture - Sericulture*, Thessaloniki, April 21-22 (2007), p. 42-43.
27. F. Hatjina, M. Bouga, **L. Haristos** (2008) Greek certification system of honey bee queens. *XVI Naučno Savetovanje sa Medunarodnim Učešćem 'Kvalitetom I selekcijom u pčelarstvu ka evropi'*. Beograd 9-10 Februar, 2008, p. 7-11.
28. Hatjina F., **L. Haristos**, M. Bouga, M. Kostarelou and N. Emmanouel (2008) Quality characteristics of produced honey bee queens in Greece. *Proceedings of the Third European Conference of Apidology*, 8-11 September 2008, Belfast UK, (p. 50-51).
29. **Haristos L.** (2009) The use of oxalic acid against varroa disease in Greece {Efikasnost oksalne kiseline protiv varroa Krpelja u društvu medonosne pčele}. *XVII Naučno Savetovanje sa Medunarodnim Učešćem 'Kvalitet meda selekcija medonosne pčele'*. Beograd 7 Februar, 2009, p. 51.
30. Korpela Seppo, Hatjina Fani, Bouga Maria & **Charistos Leonidas** (2009). Adaptation and performance of Greek honeybees resistant to *Acarapis woodi* in Finland. *Proceedings of the COLOSS Workshop Standardization of Methods II: Vitality Testing- Kirchhain, Germany, 28.06-02.07.2009, p. 10*
31. M. Bouga, Mica Bladenovic, **Leonidas Charistos**, Sladjan Rasic, Fani Hatjina (2009) Molecular markers discriminating Greek from Serbian honey bees. *Apimondia Congress, Montpellier, 15-20 September 2009.*

32. M. Bouga, F. Hatjina, **L. Charistos** (2009) Colony losses and genetic diversity of honey bees in Greece. *Proceedings of the 5<sup>th</sup> COLOSS Conference*, Montpellier, 14-15 September, 2009. p. 26
33. F. Hatjina, G. Tsoktouridis, M. Bouga, V. Evangelou, D. Avtzis, **L. Charistos** (2009) *Nosema ceranae* (Microspora, Nosematidae), a new pathogen of the honey bee *Apis mellifera* L. (Hymenoptera, Apidae). *Hellenic Entomological Congress, Alexandroupolis, November 2009*.
34. **Charistos Leonidas**, Hatjina Fani<sup>1</sup>, Kokkinis Michalis, Bouga Maria (2010). Experimental set up and first evaluation of the genotype/environmental interactions experiment in Greece. Proceeding of the COLOSS Workshop in Standardized protocols for honey bee vitality and diversity. Athens, February 26-27, 2010, p. 5
35. Rasic Sladjan, **Charistos Leonidas**, Mladenovic Mica, Hatjina Fani, Bouga Maria (2010). Relationship between genetic origin of honey bee queens and their performance. Proceeding of the COLOSS Workshop 'Standardized protocols for honey bee vitality and diversity'. Athens, February 26-27, 2010, p. 14
36. Fani Hatjina, **Leonidas Charistos** (2010). Artificial larval rearing as a tool for evaluating the effects of imidacloprid on honey bees under laboratory conditions. Proceeding of the COLOSS Workshop 'Method standardization for larval tests' Graz, June 7-9, 2010, p. 12
37. **Charistos Leonidas**, Hatjina Fani (2010) Over-wintering of honey bee colonies using different artificial diets. *Proceedings of the 6<sup>th</sup> COLOSS Conference*, Ankara, 4-5 September, 2010. p. 31.
38. Ralph Büchler, Malgorzata Bienkowska, Beata Panasiuk, Cecilia Costa, Fani Hatjina, **Charistos Leonidas**, Kokkinis Michalis, Evgeniya Ivanova, Plamen Petrov, Nikola Kezic, Maja Drazic, Seppo Korpela, Aleksandar Uzunov, Jerzy Wilde. Preliminary evaluations of the Coloss genotype-environment interaction experiment. COLOSS Workshop 'Standardized protocols for honey bee vitality and diversity', June 16-18, 2010, Copenhagen,
39. Cecilia Costa<sup>1</sup>, Ralph Büchler<sup>2</sup>, Marina Meixner<sup>2</sup>, Malgorzata Bienkowska<sup>3</sup>, Beata Panasiuk<sup>3</sup>, Fani Hatjina<sup>4</sup>, **Charistos Leonidas**<sup>4</sup>, Kokkinis Michalis<sup>4</sup>, Evgeniya Ivanova<sup>5</sup>, Plamen Petrov<sup>5</sup>, Nikola Kezic<sup>6</sup>, Maja Drazic<sup>6</sup>, Seppo Korpela<sup>7</sup>, Aleksandar Uzunov<sup>8</sup>, Jerzy Wilde<sup>9</sup> (2010) Ongoing evaluations of the Coloss WG 4 genotype-environment interaction experiment. *Proceedings of the VI<sup>th</sup> COLOSS Conference- Ankara, Turkey- 5-6- September 2010*, p. 25
40. Evgeniya Ivanova<sup>1</sup>, Maria Bouga, Plamen Petrov<sup>3</sup>, Mica Mladenovic<sup>4</sup>, Sladjan Rasic<sup>4</sup>, **Leonidas Charistos**<sup>5</sup>, Fani Hatjina<sup>5</sup> Preliminary results from a study on Balkan honey bees' genetic variability using isoenzymic approach. *Proceedings of the Forth European Conference of Apidology*, Ankara, 7-9 September, 2010
41. Ralph Büchler, Stefan Berg; Malgorzata Bienkowska, Beata Panasiuk, Yves Le Conte, Cecilia Costa, Winfried Dyrba, Fani Hatjina, **Leonidas Charistos**, Evgeniya Ivanova, Plamen Petrov, Nikola Kezic, Seppo Korpela, Per Kryger, Hermann Pechhacker, Aleksandar Uzunov, Jerzy Wilde (2011) First results of the international genotype-environment interaction experiment. *Proceedings of the COLOSS Work Shop "Honey bee vitality and diversity - status of the GEI experiment and the subspecies discrimination methods comparison"*, 1-3 March 2011, Plovdiv- Bulgaria, pp.9-10.
42. **Leonidas Charistos**, Mića Mladenović, Fani Hatjina (2011) Performance comparison between four different Greek honey bee lines. *Proceedings of the COLOSS Work Shop "Honey bee vitality and diversity - status of the GEI experiment and the subspecies discrimination methods comparison"*, 1-3 March 2011, Plovdiv- Bulgaria, pp. 21.

43. Evgeniya Ivanova, Maria Bouga, Teodora Staykova, Mica Mladenovic, Sladjan Rasic, **Leonidas Charistos**, Plamen Petrov, Ivan Stoyanov, Fani Hatjina (2011) Study on Balkan honey bees' genetic variability based on alloenzymic analysis. *Proceedings of the COLOSS Work Shop WG4 "Honey bee vitality and diversity - Field observations of experimental GEI colonies"* 26. - 29. 07. 2011, Puławy, Poland, pp.20.
44. Meixner Marina, Bouga Maria, **Charistos Leonidas**, Kryger Per, Evgeniya Ivanova, Fani Hatjina (2011) Genetic variability of honey bee origins used in the GEI experiment using geometric morphometrics approach. *Proceedings of the COLOSS Work Shop WG4 "Honey bee vitality and diversity - Field observations of experimental GEI colonies"* 26. - 29. 07. 2011, Puławy, Poland, pp.22.
45. Ralph Büchler Meixner, Marina, Stefan Berg; Malgorzata Bienkowska, Beata Panasiuk, Yves Le Conte, Cecilia Costa, Winfried Dyrba, Fani Hatjina, **Leonidas Charistos**, Maria Bouga, Evgeniya Ivanova, Plamen Petrov, Nikola Kezic, Seppo Korpela, Per Kryger, Hermann Pechhacker, Aleksandar Uzunov, Jerzy Wilde (2011) Preliminary results of the international genotype-environment interaction experiment of WG 4. *Proceedings of 7<sup>th</sup> COLOSS Conference, 27<sup>th</sup>-28<sup>th</sup> August 2011, Belgrade, Serbia*, pp.
46. Marina Meixner, Sreten Andonov, Stefan Berg; Malgorzata Bienkowska, Maria Bouga, Ralph Büchler, **Leonidas Charistos**, Yves Le Conte, Cecilia Costa, Winfried Dyrba, N. Emmanouil, Roy Francis, Fani Hatjina, Evgeniya Ivanova, Nikola Kezic, Hrisula Kiprijanovska, Seppo Korpela, Per Kryger, Beata Panasiuk, Hermann Pechhacker, Plamen Petrov, Aleksandar Uzunov, Jerzy Wilde (2011) Effects of genotype and environment for disease relevance – preliminary results from the genotype-environment experiment of WG4. *Proceedings of 7<sup>th</sup> COLOSS Conference, 27<sup>th</sup>-28<sup>th</sup> August 2011, Belgrade, Serbia*, pp.
47. Konstantinos M. Kasiotis, **Leonidas Charistos**, Nikos Emmanouil, Fani Hatjina (2011) Imidacloprid residues on honeybee, honey and pollen from colonies placed on cotton fields. *Proceedings of 7<sup>th</sup> COLOSS Conference, 27<sup>th</sup>-28<sup>th</sup> August 2011, Belgrade, Serbia*, pp.
48. F. Hatjina, **L. Charistos**, K. Kasiotis, M. Bokari, K. Elaiopoulos, K. Machera, N. Emmanouil (2011) Honey bees as bio-indicators of pesticide and environmental pollutants. *Proceedings of the 14<sup>th</sup> Hellenic Entomological Congress, Nauphlio, 11-14 October 2011*, pp.
49. M. Bokari, D. Arapoglou, **L. Charistos**, F. Hatjina (2011) Determination of oxalic acid concentrations in honey bee products, honey and royal jelly. *Proceedings of the 14<sup>th</sup> Hellenic Entomological Congress, Nauphlio, 11-14 October 2011*, pp.
50. Fani Hatjina, **Leonidas Charistos** (2012) Survival of honey bee colonies of the GEI experiment in Greece as a result of Varroa prevalence. COLOSS Workshop WG4-Bee Book and data analyses of GEI experiment, 23-27 January, Jokioinen, Finland
51. Ralph Büchler, Stefan Berg; Malgorzata Bienkowska, Beata Panasiuk, Yves Le Conte, Cecilia Costa, Winfried Dyrba, Maria Bouga, Fani Hatjina, **Leonidas Charistos**, Plamen Petrov, Evgeniya Ivanova, Nikola Kezic, Seppo Korpela, Per Kryger, Hermann Pechhacker, Aleksandar Uzunov, Jerzy Wilde (2012). Effects of genotype and environmental factors on the survivability and productivity of European honey bee colonies. SICAMM conference, Switzerland 31 Aug –4 Sept, 2012
52. Fani Hatjina, Alexandros Papachristoforou, **Leonidas Charistos**, Maria Bouga, Gerard Arnold (2012) Monitoring the effect of imidacloprid under semi-field conditions using electronic bee counters. 5<sup>th</sup> European Conference of Apidology, 4-6<sup>th</sup> September 2012, Halle an der Saale, Germany



53. Cecilia Costa, Ralph Büchler, Stefan Berg; Malgorzata Bienkowska, Maria Bouga, Dragan Bubalo, **Leonidas Charistos**, Yves Le Conte, Maja Drazic, Winfried Dyrba, Janja Fillipi, Fani Hatjina, Evgeniya Ivanova, Nikola Kezic, Hrisula Kiprijanovska, Michalis Kokinis, Seppo Korpela, Per Kryger, Marco Lodesani, Marina Meixner, Beata Panasiuk, Hermann Pechhacker, Plamen Petrov, Eugenia Oliveri, Lauri Ruottinen, Aleksandar Uzunov, Giacomo Vaccari, Jerzy Wilde (2012). Results of the Europe-wide genotype – environment interactions experiment. 8<sup>th</sup> COLOSS Conference, Martin-Luther-Universität Halle-Wittenberg, Halle (Saale), 2-3 Sept. 2012, Germany
54. Meixner Marina, **Leonidas Charistos**, Fani Hatjina, Bouga Maria, Kryger Per, Evgeniya Ivanova (2012). Genetic variability of honey bee origins used in the GEI experiment: geometric morphometry analysis. 8<sup>th</sup> COLOSS Conference, Martin-Luther-Universität Halle-Wittenberg, Halle (Saale), 2-3 Sept. 2012, Germany
55. Fani Hatjina, **Leonidas Charistos** (2012). The impact of different nutrients on colony development and Nosema prevalence. COLOSS Workshop WG 3 “Honey bee nutrition”, October 22- 23, 2012, Bled - Slovenia
56. Fani Hatjina<sup>1</sup>, Chrisovalantis Papaefthimiou<sup>2</sup>, **Leonidas Charistos**<sup>1</sup>, Maria Bouga<sup>3</sup>, Gerard Arnold<sup>4</sup> (2013) The effect of sublethal doses of imidacloprid on honey bee life span, food consumption, size of hypopharyngeal glands and respiratory rhythm of honeybees. *International Apicultural Congress APIMONDIA XXXXIII, 29 September -3 October 2013*. Kyiv, Ukraine

#### Participant in:

1. **'Study of bee flora of Peloponnese'** [EC & Hellenic Ministry of Agriculture, Dir.1221/97 of EC, 2002-2003] **'Factors affecting honeydew production in pine trees'** [ EC & Hellenic Ministry of Agriculture, Dir.1221/97 of EC, 2000-2002]
2. **'Bio-ecological study of honeydew producing insects on fir trees'** [EC & Hellenic Ministry of Agriculture, Dir.1221/97 of EC, 2002-2003]
3. **'Bio-diversity of bee pollinators'** [General Secretariat for Research and Technology of Greece (90%); Charantonis D.- Biological Control (SMEs) (10%), 2004-2005]
4. **'Strategic plan to control Varroa'** [EC & Hellenic Ministry of Rural Development & Food; 2004-2005]
5. **'Use of Oxalic acid against Varroa'** [EC & Hellenic Ministry of Rural Development & Food; 2005-2007]
6. **'Identification of honey bee queens- quality control'** [ EC & Hellenic Ministry of Rural Development & Food; 2005-2007]
7. **'Effects of genetically modified plants (GMOs), nicotinoids and air pollution on honey bees'** [ EC & Hellenic Ministry of Rural Development & Food; 2008-2010]
8. **'Monitoring flight activity of honeybees under pesticide and pollution pressure, using electronic bee counters attached at the entrances of beehives'** [Platon project 2009-2011, Bilateral collaboration Greece –France]
9. **Characterization and conservation of genetic material of Greek honey bee population – “CHARTA MELISSA”** [ EC & Hellenic Ministry of Rural Development & Food; 20014-2016]