CURRICULUM VITAE AND PUBLICATIONS

Professor
Molecular Plant Development
NKUA Biology Department

2025

NAME	Kosmas Haralampidis
DATE OF BIRTH	01 July 1969
PLACE OF BIRTH	Stuttgart, Germany
MARITAL STATUS	Married with two children
CONTACT	National and Kapodistrian University of Athens Biology Department Division of Botany Molecular Plant Dev. Laboratory 15784 Athens, Greece http://www.biol.uoa.gr

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A. EDUCATION

1992 **BSc in Biology, Aristotle University of Thessaloniki, Greece.**
Honors Degree Thesis Title: Study of the polytene chromosomes of *Drosophila triauraria*.
Department of Genetics, Development and Molecular Biology.

1998 **PhD in Plant Molecular Biology, Agricultural University of Athens, Greece.**
PhD Thesis: Molecular characterization of the delta-9 desaturase gene from *Olea europaea* and the *hsp81.1* heat-shock gene from *Arabidopsis thaliana*.

B. FELLOWSHIPS

1993 Short term EMBO fellowship (3 months). Research fellow in the department of Cell Biology, John Innes Centre, Norwich, UK. Research title: Screening and characterization of root mutants in *Arabidopsis thaliana.*

1995 Short term Human Capital and Mobility fellowship (cat. 20, 6 months), for the department of Cell Biology, John Innes Centre, Norwich, UK. Research title: Screening and characterization of root mutants in *Arabidopsis thaliana.*

1993-1997 Ph.D. Fellowship by the State Scholarships Foundation (S.S.F), Republic of Greece.

C. RESEARCH EXPERIENCE – ACADEMIC POSITIONS

1990-1991 Honours Degree Thesis, Laboratory of Molecular Biology, Department of Genetics Development and Molecular Biology, Aristotelian University of Thessaloniki, Greece. Diploma Thesis title: Study of the polytene chromosomes of *Drosophila triauraria*.

1993-1998 Post-graduate research fellow towards Ph.D. degree, Laboratory of Molecular Biology, Agricultural University of Athens, Greece. PhD thesis: Molecular characterization of the delta-9 desaturase gene from *Olea europaea* and the *hsp81.1* heat-shock gene from *Arabidopsis thaliana*.

1993 & 1995 Research fellow in the Cell Biology Department at the John Innes Centre. Research project: Screening and characterization of root mutants in *Arabidopsis thaliana.*

1994-1996 Research assistant in the Department of Agricultural Biotechnology, Agricultural University of Athens. Research project: The EU Arabidopsis genome project.

1998-2002 Post-Doctoral researcher, Sainsbury Laboratory of Molecular Phytopathology, John Innes Centre, Norwich Research Park, Norwich, UK. Title of project: The avenacin biosynthetic pathway in oats.

2002-2009 Lecturer of Molecular Plant Development at the National and Kapodistrian University of Athens, Biology Department, Division of Botany. (**ΦΕΚ: Αρ. Φύλλου 96, 01/05/2002**).

2009-2013 Assistant Professor (non-tenured position) of Molecular Plant Development at the National and Kapodistrian University of Athens, Biology Department, Division of Botany. (**ΦΕΚ: Αρ. Φύλλου 359, 13/05/2009**).

2013-2018 Assistant Professor (tenured position) of Molecular Plant Development at the National and Kapodistrian University of Athens, Biology Department, Division of Botany. (**ΦΕΚ: Αρ. Φύλλου 46, 21/01/2013**).

2018-2025 Associate Professor of Molecular Plant Development at the National and Kapodistrian University of Athens, Biology Department, Division of Botany. (**ΦΕΚ: Αρ. Φύλλου 380, 12/04/2018**).

2025-present Professor of Molecular Plant Development at the National and Kapodistrian University of Athens, Biology Department, Division of Botany. (**ΦΕΚ: Αρ. Φύλλου 1208, 31/03/2025**).

D. RESEARCH INTERESTS

- Molecular genetics of key genes involved in fundamental developmental processes. Dissecting the molecular mechanisms controlling growth and differentiation in plants.
- Functional characterization of genes involved in the biosynthesis of plant secondary metabolites. Focus on PNPs such as flavonoid and triterpenoid compounds with pharmaceutical and industrial interest.

E. PATENTS

1. **Patent WO0146391 (International).** Title: Plant Gene. Inventors: Anne Elizabeth Osbourn, Norwich (GB); **Kosmas Haralampidis**, **UOA, Athens (GR)**; Gregory Thomas Bryan, Feilding (NZ). **28/06/2001.**
2. **Patent EP1240312 (European).** Title: Plant Gene. Inventors: Anne Elizabeth Osbourn, Norwich (GB); **Kosmas Haralampidis**, **UOA, Athens (GR)**; Gregory Thomas Bryan, Feilding (NZ). **18/09/2002.**
3. **Patent 20030177518 (US).** Title: Plant Gene (bAS and promoter sequence). Inventors: Anne Elizabeth Osbourn, Norwich (GB); **Kosmas Haralampidis, UOA, Athens (GR);** Gregory Thomas Bryan, Feilding (NZ). **18/09/2003.**
4. **Patent 7186884 (US).** Title: Isolated plant gene encoding a beta-amyrin synthase. Inventors: Anne Elizabeth Osbourn, Norwich (GB); **Kosmas Haralampidis**, **UOA, Athens (GR);** Gregory Thomas Bryan, Feilding (NZ). **06/03/2007.**
5. **Patent 7982096 (US).** Title: Root-Specific Promoters. Inventors: Anne Elizabeth Osbourn, Norwich (GB); **Kosmas Haralampidis, UOA, Athens (GR);** Rachel Melton, Norwich (GB); Saleha Bakht, Norwich (GB); Xiaoquan Qi, Norwich (GB). **19/07/2011.**

F. RESEARCH PROJECTS

1. "Transcriptional regulation of beta-amyrin synthase in plants". **KAPODISTRIAS**, National and Kapodistrian University of Athens, S.A.R.G. Scientific coordinator (2004-2005).
2. "Molecular analysis of PESCADILLO during plant cell growth and differentiation". **PYTHAGORAS I**, Ministry of Education (G.S.R.T). Scientific coordinator (2004-2007).
3. "Changes in the metabolic fate of isoflavonoids in Trigonella foenum-graecum, in response to biotic and abiotic stresses - The role of Medicarpin". **PYTHAGORAS I**, Ministry of Education (G.S.R.T). Head of research team (2004-2007).
4. "Plant cell division and differentiation – a molecular approach of genes involved in ribosome biogenesis". KAPODISTRIAS, National and Kapodistrian University of Athens, S.A.R.G. Scientific coordinator (2006-2007).
5. "Molecular and functional characterization of a WD40 protein from Arabidopsis thaliana". **KAPODISTRIAS**, National and Kapodistrian University of Athens, S.A.R.G. Scientific coordinator (2008-2009).
6. "Molecular studies of pathways involved in plant secondary metabolite biosynthesis". **KAPODISTRIAS**, National and Kapodistrian University of Athens, S.A.R.G. Scientific coordinator (2010-2011).
7. "The role of Selenium Binding Proteins during abiotic stress in *Arabidopsis thaliana*". **KAPODISTRIAS**, National and Kapodistrian University of Athens, S.A.R.G. Scientific co-manager (2012-2013).
8. "Isolation and molecular characterization of genes involved in the biosynthesis anticancer and therapeutic secondary metabolites from *Trigonella foenum-graecum L*". **KAPODISTRIAS**, National and Kapodistrian University of Athens, S.A.R.G. Scientific co-manager (2013-2014).
9. **COST Action FA1006**, Plant Metabolic Engineering for High Value Products. Greek representative of the project (2012-2015).
10. "Understanding tolerance of plants to abiotic stresses: The cross-talk of polyamine derived-hydrogen peroxide, heat shock proteins and polyphenols in tolerance of transgenic plants to salinity, heat and heavy metals (ABISTOL)". **THALIS**, Ministry of Education (G.S.R.T). Head of research team (2012-2015).
11. "Identification of molecular complexes involved in lignocellulosic biomass improvement". **H.F.R.I.** Project Supervisor (2019-2021).

G. PUBLICATIONS

1. Mauragani-Tsipidou P, Scouras ZG, **Haralampidis K**, Laurentiadou S, Kastritsis CD (1992) The polytene chromosomes of *Drosophila triauraria* and *Drosophila quadraria*, sibling species of *Drosophila auraria*. Genome 35: 318-326. doi:10.1139/g92-048.
2. **Haralampidis K**, Milioni D, Sanchez J, Balttrusch M, Heinz E, Hatzopoulos P (1998) Temporal and transient expression of stearoyl-ACP carrier protein desaturase gene during olive fruit development. J Exp Bot 49: 1661-1669. doi:10.1093/jxb/49.327.1661.
3. Hatzopoulos P, Poghosyan Z, **Haralampidis K**, Martsinkovskaya A, Giannoulia K, Murphy DJ (1998) Spatial, Temporal and Developmental Regulation of Expression of Genes Involved in Oil Biosynthesis during Flower and Fruit Development. *In* J Sanchez, E Cerda-Olmedo and E Martinez-Force, eds. Advances in Plant Lipid Research, 637-640.

4. Poghosyan Z, **Haralampidis K**, Giannoulia K, Murphy DJ, Hatzopoulos P (1998) Developmental Regulation and Spatial Expression of an ω-3 Fatty Acid Desaturase from *Olea europaea*. *In* J Sanchez, E Cerda-Olmedo and E Martinez-Force, eds. Advances in Plant Lipid Research, 155-158.

5. Martsinkovskaya A, Poghosyan Z, **Haralampidis K**, Murphy D, Hatzopoulos P (1999) Temporal and spatial gene expression of cytochrome B5 during flower and fruit development in olives. Plant Mol Biol 40: 79-90. doi:10.1023/A:1026417710320.

6. Poghosyan Z, **Haralampidis K**, Martsinkovskaya A, Murphy D, Hatzopoulos P (1999) Developmental regulation and spatial expression of a plastidial fatty acid desaturase from *Olea europaea*. Plant Physiol Bioch 37: 109-119. doi:10.1016/S0981-9428(99)80072-2.

7. Osbourn AE, Carter J, Papadopoulou K, **Haralampidis K**, Trojanowska M, Melton R (2000) Oat root saponins and root-infecting fungi. *In* W Oleszik and A Marston Saponins, eds. Food, Feedstuffs and Medicinal Plants. Phytochemical Society of Europe, Vol 45, pp 121-128. doi:10.1007/978-94-015-9339-7_13.

8. Giannoulia K, **Haralampidis K,** Poghosyan Z, Murphy DJ, Hatzopoulos P (2001) Differential expression of *DGAT* genes in olive tissues. Biochem Soc T 28: 695-697. doi:10.1042/bst0280695.

9. Rigas S, Debrosses G, **Haralampidis K**, Vicente-Agullo F, Feldmann KA, Grabov A, Dolan L, Hatzopoulos P (2001) TRH1 Encodes a Potassium Transporter Required for Tip Growth in Arabidopsis Root Hairs. Plant Cell 13: 139-151. doi:http://www.plantcell.org/content/13/1/139.long.

10. Osbourn AE and **Haralampidis K** (2002) Triterpenoid Saponin Biosynthesis In Plants. *In* JT Romeo, RA Dixon, eds, Phytochemistry in the Genomics and Post-Genomics Eras. Recent Adv Phytochem, Vol 36, Pergamon, Elsevier Science Ltd, Oxford, UK, pp 81-93. doi:org/10.1016/S0079-9920(02)80021-1.

11. **Haralampidis K**, Bryan G, Qi X, Papadopoulou K, Bakht S, Melton R, Osbourn A (2001) A new class of oxidosqualene cyclase directs synthesis of antimicrobial phytoprotectants in monocots. Proc Natl Acad Sci USA 98: 13431-13436. doi:10.1073/pnas.231324698.

12. **Haralampidis K**, Trojanowska M, Osbourn AE (2002) Biosynthesis of Triterpenoid Saponins in Plants. *In* T Scheper, ed, History and Trends in Bioprocessing and Biotransformation. Adv Biochem Eng Biotechnol, Vol75, Springer-Verlag, Heidelberg, pp 31-49. doi:10.1007/3-540-44604-4_2.

13. Beis D, Argiros S, Milioni D, Rigas S, **Haralampidis K**, Samakovli D, Douka A, Hatzopoulos P (2002) Sequence analysis of 66.5 kb region of the chromosome IV from *Arabidopsis thaliana*. *In* AS Tsaftaris and AN Polidoros, eds. Genome Sequencing and Comparative Analysis. University Studio Press, Thessaloniki, pp 107-117.

14. **Haralampidis K**, Milioni D, Rigas S, Hatzopoulos P (2002) Combinatorial interaction of *cis* elements specifies the expression of the Arabidopsis *AtHsp90-1* gene. Plant Physiology 129: 1138-1149. doi:10.1104/pp.004044.

15. Hatzopoulos P, Banilas G, Giannoulia K, Gazis F, Nikoloudakis N, Milioni D, **Haralampidis K** (2002) Breeding, Molecular Markers and Molecular Biology of Olive Tree. Eur J Lipid Sci Tech 104: 574-586. doi:10.1002/1438-9312(200210)104:9/10<574::AID-EJLT574>3.0.CO;2-1.

16. Iturbe-Ormaetxe I, **Haralampidis K**, Papadopoulou K, Osbourn AE (2003) Molecular cloning and characterization of triterpene synthases from *Medicago truncatula* and *Lotus japonicus*. Plant Mol Biol 51: 731-743. doi:10.1023/A:1022519709298.

17. Kavroulakis N, Ntougias S, Zervakis GI, Ehaliotis C, **Haralampidis K**, Papadopoulou KK (2007) Role of ethylene in the protection of tomato plants against fungal pathogens conferred by an endophytic *Fusarium solani* strain. J Exp Bot 58: 3853-3864. doi:10.1093/jxb/erm230.

18. Zografidis A, Kapolas G, Kitsios G, McCann M, Roberts K, Milioni D, **Haralampidis K** (2007) Isolation and characterization of *ZePES* and *AtPES*, the *pescadillo* orthologs from *Zinnia* and *Arabidopsis*. Plant Science 173: 358-369. doi:10.1016/j.plantsci.2007.06.009.

19. Tsiri D, Halabalaki M, Spyropoulos CG, **Haralampidis K**, Chinou I (2008) Biosynthetic origin of medicarpin in elicited fenugreek (*Trigonella foenum-graecum* L.) seedlings. Planta Med 74: 60. doi:10.1055/s-0028-1084812.

20. Prassinos C, **Haralampidis K,** Milioni D, Samakovli D, Krambis K**,** Hatzopoulos P (2008) Complexity of Hsp90 organelle targeting. Plant Mol Biol 67: 323-334. doi:10.1007/s11103-008-9322-8.

21. Tsiri D, Chinou I, Halabalaki M, **Haralampidis K**, Spyropoulos CG (2009) The origin of copper-induced medicarpin accumulation and its secretion from roots of fenugreek young seedlings is regulated by copper concentration. Plant Science 176: 367-374. doi:10.1016/j.plantsci.2008.12.001.

22. Anasontzis EG, Zerva A, Stathopoulou PM, **Haralampidis K**, Diallinas G, Karagouni AD, Hatzinikolaou DG (2011) Homologous overexpression of xylanase in *Fusarium oxysporum* increases ethanol productivity during consolidated bioprocessing (CBP) of lignocellulosics. Journal of Biotechnology 152: 16-23. doi:10.1016/j.jbiotec.2011.01.002.

23. Matsouka I, Beri D, Chinou I, **Haralampidis K**, Spyropoulos CG (2011) Metals and selenium induce medicarpin accumulation and excretion from the roots of fenugreek seedlings: a potential detoxification mechanism. Plant Soil 343: 235–245. doi:10.1007/s11104-010-0714-6.

24. Kemen AC, Honkanen S, Melton R, Findley K, Mugford S, Hayashia K, **Haralampidis K**, Rosser S, Osbourn A (2014) Investigation of triterpene synthesis and regulation in oats reveals a role for β-amyrin in determining root epidermal cell patterning. Proc Natl Acad Sci USA 111: 8679-8684. doi:10.1073/pnas.1401553111.

25. Zografidis A, Kapolas G, Podia V, Beri D, Papadopoulou KK, Milioni D, **Haralampidis K** (2014) Transcriptional regulation and functional involvement of the Arabidopsis *pescadillo* ortholog *AtPES* in root development. Plant Science 229: 53-65. doi:10.1016/j.plantsci.2014.08.012.

26. Margaritopoulou T, Roka L, Alexopoulou E, Christou M, Rigas S, **Haralampidis K**, Milioni D (2016) Biotechnology Towards Energy Crops. Mol Biotechnol 58:149-58. doi:10.1007/s12033-016-9913-6.

27. Mellidou I, Moschou PN, Ioannidis NE, Pankou C, Gemes K, Valassakis C, Andronis E, Beris D, **Haralampidis K**, Roussis A, Karamanoli K, Matsi T, Kotzabasis K, Constantinidou HI, Roubelakis-Angelakis KA (2016) Silencing S-Adenosyl-L-Methionine Decarboxylase (*SAMDC*) in *Nicotiana tabacum* points at a polyamine-dependent trade-off between growth and tolerance responses. Front Plant Sci 7: 379. doi:10.3389/fpls.2016.00379.

28. Beris D, Kapolas G, Livanos P, Roussis A, Milioni D, **Haralampidis K** (2016) RNAi-mediated silencing of the *Arabidopsis thaliana ULCS1* gene, encoding a WDR protein, results in cell wall modification impairment and plant infertility. Plant Science 245: 71-83. doi:10.1016/j.plantsci.2016.01.008.

29. Kapolas G, Beris D, Katsareli E, Livanos P, Zografidis A, Roussis A, Milioni D, **Haralampidis K** (2016) *APRF1* promotes flowering under long days in *Arabidopsis thaliana*. Plant Science 253: 141-153. doi:10.1016/j.plantsci.2016.09.015.

30. Gémes K, Mellidou I, Karamanoli K, Beris D, Park KY, Matsi T, **Haralampidis K**, Constantinidou HI, Roubelakis-Angelakis KA (2017) Deregulation of apoplastic polyamine oxidase affects development and salt response of tobacco plants. J Plant Phys 211: 1-12. doi:10.1016/j.jplph.2016.12.012.

31. Mellidou I, Karamanoli K, Beris D, **Haralampidis K**, Constantinidou HIA, Roubelakis-Angelakis KA (2017) Underexpression of apoplastic polyamine oxidase improves thermotolerance in *Nicotiana tabacum*. J Plant Phys 218: 171-174. doi:10.1016/j.jplph.2017.08.006.

32. Podia V, Milioni D, Martzikou M, **Haralampidis K** (2018) The role of *Arabidopsis thaliana RASD1* gene in ABA-dependent abiotic stress response. Plant Biology 20 (2): 307-317. doi:10.1111/plb.12662.

33. Valassakis C, Livanos P, Minopetrou M, **Haralampidis K**, Roussis A (2018) Promoter analysis and functional implications of the selenium binding protein (SBP) gene family in *Arabidopsis thaliana*. J Plant Physiol. 224-225: 19-29. doi:10.1016/j.jplph.2018.03.008.

34. Podia V, Milioni D, Katsareli E, Valassakis C, Roussis A, **Haralampidis K** (2018) Molecular and functional characterization of *Arabidopsis thaliana VPNB1* gene involved in plant vascular development. Plant Science 277: 11–19. doi:10.1016/j.plantsci.2018.09.006.

35. Valassakis C, Dervisi I, Agalou A, Papandreou N, Kapetsis G, Podia V, **Haralampidis K**, Iconomidou VA, Spaink HP, Roussis A (2019) Novel interactions of Selenium Binding Protein family with the PICOT containing 2 proteins AtGRXS14 and AtGRXS16 in *Arabidopsis thaliana*. Plant Science 281: 102-112. doi:10.1016/j.plantsci.2019.01.021.

36. Dervisi I, Valassakis C, Agalou A, Papandreou N, Podia V, **Haralampidis K**, Iconomidou VA, Kouvelis V, Spaink HP, Roussis A (2019) Investigation of the interaction of DAD1-LIKE LIPASE 3 (DALL3) with Selenium Binding Protein 1 (SBP1) in *Arabidopsis thaliana*. Plant Science 291: 110357. doi:10.1016/j.plantsci.2019.110357.

37. Garagounis C, Beritza K, Georgopoulou ME, Sonawane P, **Haralampidis K**, Goossens A, Aharoni A, Papadopoulou KK (2020) A hairy-root transformation protocol for Trigonella foenum-graecum L. as a tool for metabolic engineering and specialised metabolite pathway elucidation. Plant Physiol Biochem 154: 451-462. doi:10.1016/j.plaphy.2020.06.011.

38. Beris D, Podia V, Dervisi I, Kapolas G, Isaioglou I, Tsamadou V, Pikoula L, Rovoli M, Vallianou A, Roussis A, Milioni D, Giannoutsou H, **Haralampidis K** (2021) RNAi silencing of the *Arabidopsis thaliana ULCS1* gene results in pleiotropic phenotypes during plant growth and development. Int J Dev Biol. doi:10.1387/ijdb.210114kh.

39. Tsakali A, Asitzoglou IC, Basdeki V, Podia V, Adamakis IDS, Giannoutsou E, **Haralampidis K** (2022) The role of PME2 and PME3 in *Arabidopsis* stomatal development and morphology. Biol. Life Sci. Forum 2022, 11, 36. doi.org/10.3390/IECPS2021-12010.

40. Dervisi I, **Haralampidis K**, Roussis A (2022) Investigation of the interaction of a papain-like cysteine protease (RD19c) with selenium-binding protein 1 (SBP1) in *Arabidopsis thaliana*. Plant Science 315: 111157. doi: 10.1016/j.plantsci.2021.111157.

41. Varympopi A, Dimopoulou A, Papafotis D, Avramidis P, Sarris I, Karamanidou T, kalderi-Kerou A, Vlachou A, Vellis E, Giannopoulos A, **Haralampidis K**, Theologidis I, Hatzinikolaou DG, Tsouknidas A, Skandalis N (2022) Antibacterial activity of copper nanoparticles against *Xanthomonas campestris* pv. *vesicatoria* in tomato plants. Int. J. Mol. Sci. 23: 4080. doi: org/10.3390/ijms23084080.

42. Samakovli D, Roka L, Plitsi PK, Drakakaki G, **Haralampidis K**, Stravopodis DJ, Hatzopoulos P, Milioni D (2022) Abundance and spatial distribution of BRI1 and BAK1 receptors in plasma membrane are HSP90-dependent. Cells 2022, 11(21), 3341. doi: org/10.3390/cells11213341.

43. Plitsi PK, Samakovli D, Roka L, Rampou A, Panagiotopoulos K, Koudounas K , Isaioglou I, **Haralampidis K**, Rigas S, Hatzopoulos P, Milioni D (2022) GA-mediated distribution of RGA/BZR1 complex requires HSP90 to promote hypocotyl elongation. Int. J. Mol. Sci. 24: 88. doi: org/10.3390/ijms24010088.

44. Zervou N, Podia V, Faulwetter S, Ramfos A, Genitsaris S, **Haralambidis K**, Adamakis IDS (2023) *Marinomyxa marina* presence in a Halophila stipulacea meadow near a fish farm in south Evoikos Gulf (Greece). Aquatic Botany 185, 103615. doi: org/10.1016/j.aquabot.2022.103615.

45. Podia V, Chatzopoulos D, Milioni D, Stravopodis DJ, Dervisi I, Roussis A, Roubelakis-Angelakis KA, **Haralampidis K** (2023) GUS reporter-aided promoter deletion analysis of *A. thaliana POLYAMINE OXIDASE 3*. Int. J. Mol. Sci. 24, 2317. doi: org/10.3390/ijms24032317.

46. Dervisi I, Petropoulos O, Agalou A, Podia V, Papandreou N, Iconomidou VA, **Haralampidis K**, Roussis A (2023) The SAH7 homologue of the allergen Ole e 1 interacts with the putative stress sensor SBP1 (Selenium-Binding Protein 1) in *Arabidopsis thaliana*. Int. J. Mol. Sci. 24, 3580. doi: org/10.3390/ijms24043580.

47. Bampali A, Karoutzou O, Katsarou A, **Haralampidis K**, Skaltsounis LA, Rhizopoulou S (2024) Functional and Qualitative Metabolic Compounds in the Twigs of the Deciduous Mistletoe *Loranthus europaeus* Jacq. Stresses 4, 14-27. doi: org/10.3390/ stresses4010002.

48. Isaioglou I, Podia V, Velentzas AD, Kapolas G, Beri D, Karampelias M, Plitsi PK, Chatzopoulos D, Samakovli D, Roussis A, Merzaban J, Milioni D, Stravopodis DJ, **Haralampidis K** (2024) APRF1 interactome reveals HSP90 as a new player in the complex that epigenetically regulates flowering time in *Arabidopsis thaliana*. Int. J. Mol. Sci. 25,1313. doi.org/10.3390/ijms25021313.

49. Dervisi I, Koletti A, Agalou A, **Haralampidis K**, Flemetakis E, Roussis A (2024) Selenium Binding Protein 1 (SBP1): A new putative player of stress sensing in plants. Int. J. Mol. Sci. 25, 9372. doi: org/10.3390/ijms25179372.

50. Tresas T, Isaioglou I, Roussis A, **Haralampidis K** (2025) A Brief Overview of the Epigenetic Regulatory Mechanisms in Plants. Int. J. Mol. Sci. 26: 4700. doi: https://doi.org/10.3390/ijms26104700.

51. Samakovli D, Panagiotopoulos K, Roka L, **Haralampidis K**, Plitsi PK, Gkritzas R, Milioni D, Hatzopoulos P (2025) Specific members of the HSP90 family control the plasma membrane localization of BR receptors regulating growth in a tissue- and temperature-dependent manner. Submitted to New Phytologist.