

**CURRICULUM VITAE**

*OF*

***KALLIOPI A. ROUBELAKIS-ANGELAKIS***

*Heraklion Crete*

*Octoberr 2009*

**UNDERGRADUATE STUDIES***Agric. University of Athens, Greece*

B. S. in Plant Sciences

**GRADUATE STUDIES***University of California, Davis, U.S.A.*

M.S. in Plant Biology

M.S. in Food Biochemistry/Technology

Ph. D. in Plant Molecular Physiology

**POSITIONS-EMPLOYMENT**

<b>1991 -present</b>	Professor of Plant Physiology and Biotechnology, Dept. of Biology, University of Crete, Heraklio
<b>1996</b>	Visiting Professor, University of Adelaide, Australia
<b>1985 - 1991</b>	Associate Professor of Plant Physiology, Dept. of Biology, University of Crete, Heraklio
<b>1984, 1986</b>	Visiting Professor, University of California, Davis
<b>1991, 1994</b>	Visiting Professor, University of California, Davis
<b>1979-1984</b>	Professor of Horticulture, Technological Educational Institution, Heraklio
<b>1980 - 1981</b>	Visiting Professor, University of California, Davis
<b>1978 - 1979</b>	Specialist, Ministry of Agriculture
<b>1977</b>	Post-doctoral Research Associate, University of California, Davis
<b>1973 - 1977</b>	Graduate Student, University of California, Davis

**HONORS- AWARDS- FELLOWSHIPS**

- Secretary General of the Federation of European Societies of Plant Biology (2004- ).  
[www.fespb.org](http://www.fespb.org).
- Chairperson of the Grants and Awards Committee of the Federation of European Societies of Plant Biology (2002-2004). [www.fespb.org](http://www.fespb.org).
- President of the Federation of European Societies of Plant Biology (2000-2002).  
[www.fespb.org](http://www.fespb.org).
- Vice-President of the COST Action 858 ‘Abiotic and Biotic Stress and Plant Development’ (2003-2008) [www.bordeaux.inra.fr/cost858/welcome.html](http://www.bordeaux.inra.fr/cost858/welcome.html).
- Member of the Steering Committee of the European Nitrogen & Ammonia Assimilation Group.
- Member of the Steering Committee of the COST Action 0605 ‘Signalling control of stress tolerance and production of stress protective compounds’ (2008-2013).
- Editor of the Book “Molecular Biology and Biotechnology of the Grapevine”, 2001, Kluwer Publishers, which received the 2002 O.I.V. (Office Internationale de la Vigne et du Vin) Prize, Paris, 2002. [www.wkap.nl/book.htm/0-7923-6949-1](http://www.wkap.nl/book.htm/0-7923-6949-1).
- Vice-Chair of the International Affairs Committee, University of Crete (2005-2008).
- Member of the Steering Committee of the Special Research Funds Account, University of Crete (2005-2008).
- Chairperson of the Organizing Committee for the 13<sup>th</sup> International Congress of FESPP, Hersonissos, 2-6 September 2002, [www.biology.uoc.gr/meetings/fespp](http://www.biology.uoc.gr/meetings/fespp); for

- the 6<sup>th</sup> International Congress “Physiology and Biotechnology of Grapevine”, Heraklion June 2000, [www.biology.uoc.gr/meetings/first\\_ann.htm](http://www.biology.uoc.gr/meetings/first_ann.htm); for the Advanced Study Institute “Plant Morphogenesis: Molecular Approaches”, Heraklion, June 1992.
- Director of the Section of Organismal Biology, Dept. of Biology, Univ. of Crete (repeatedly).
  - Director of the Plant Physiology and Biotechnology Laboratory [www.biology.uoc.gr](http://www.biology.uoc.gr)
  - Coordinator of the Graduate Programme in Plant Molecular Biology and Biotechnology, University of Crete (1998-). [www.biology.uoc.gr/plantmolbiolbiotec](http://www.biology.uoc.gr/plantmolbiolbiotec)
  - Departmental Coordinator of European Educational Programmes (Socrates, Erasmus, Tempus, Alpha), [www.uoc.gr/erasmus](http://www.uoc.gr/erasmus) .
  - Responsible Scientist of numerous competitive research grants.
  - Member of the European Thematic Biotechnology Network.
  - Member of the European Committee for Teaching Biology in Europe.
  - Member of International Organizing Committees or Programme Committees for International Congresses.
  - Chairperson of scientific sessions in International and National Meetings.
  - Member of Thematic Committees and Evaluation Panels in the European Union.
  - Member of Evaluation Panels in the General Secretariat of Research of Greece and Cyprus, Intern. Funding Organizations (IFS, The International Foundation for Science, and others).
  - Invited Keynote speaker in numerous (more than 50) International and National Congresses.
  - Recipient of Distinguished Scholar Fellowship by the Federal Government of Australia, November-December 1996.
  - Editor of the books *Morphogenesis in Plants: Molecular Approaches*, Plenum Publ. Co., N. York, 1993; *Molecular Biology and Biotechnology of the Grapevine*, Kluwer Publ, Amsterdam, 2001, ISBN 0-7923-6949-1; and *Grapevine Molecular Physiology & Biotechnology*, Springer Publishers, pp 612. ISBN 978-90-481-2304-9 <http://www.springer.com/978-90-481-2304-9>.
  - Invited author or co-author of chapters in books and review articles.
  - Director of the ASI Seminar "Plant Morphogenesis: Molecular Approaches", Crete, 1992.
  - Referee for several International Scientific Journals (Plant Cell, Plant Physiology, Plant Journal, Molecular Breeding, Planta, Physiologia Plantarum, Transgenic Plants, Journal of Plant Physiology, Plant Physiology and Biochemistry, Journal of Experimental Botany, Plant Cell Tissue Organ Culture, Australian Journal of Plant Physiology, Vitis, American J. Enology Viticulture, Chemosphere, Isr. J. Plant Sci., DNA Sequence, Plant Science, etc).
  - Member of Editorial Review Committees.
  - Member of the Scientific Board of the National Agricultural Research Foundation (1994-1996).
  - Member of selection Committees for faculty members in European and National Universities.
  - Member of Advisory and Examination Committees for Doctoral Theses in European, Australian, American and Indian Universities.
  - Best paper travel award, Amer. Soc. Plant Physiol., Western Section, San Francisco, 1977.
  - Honorary scholarship, University of California, Davis, 1974-1977.
  - Research Assistantship, University of California, Davis, 1973-1977.

## SCIENTIFIC SOCIETIES MEMBERSHIP

She has been member of the following scientific Societies:

- The Federation of European Societies of Plant Physiologists
- The International Society of Plant Molecular Biologists
- The American Society of Plant Biologists
- The American Society of Enologists and Viticulturists
- The International Society for Horticultural Sciences
- The International Council for Grapevine Viruses
- The Sigma Phi Scientific Research Society of North America
- The International Association of Plant Tissue Culture
- The Greek Society for Biological Sciences
- The Hellenic Botanical Society
- The Greek Geotechnical Chamber

### SCIENTIFIC MEETINGS

She has participated and/or presented her work in the following Scientific Meetings:

- Annual Meeting of American Society of Plant Physiologists, St. Louis, MI., 1984.
- International Symposium on Grapevine Improvement and *in vitro* Culture, Paris, 1985.
- International Symposium on Biotechnology and Agriculture in Mediterranean Basin, Athens, 1986.
- International Horticultural Congress, Davis, California, U.S.A. 1986.
- International Symposium on Viticulture and Enology, Kecskemet, Hungary, 1986.
- Congress of the Hellenic Society Biological Sciences, Heraklio, 1986.
- International Symposium on Plant Photomorphogenesis, Spetses, 1987.
- Meeting of International Council on Grapevine Viruses, Kiryat Anavim, Israel, 1987.
- International Symposium on Grapevine Diseases, Thessaloniki, 1987.
- Congress of Hellenic Horticultural Society, Thessaloniki, 1987.
- International Symposium on Plant Membranes, Cardiff, England, 1988.
- Congress on Interscientific Approaches of Development, Athens, 1988.
- International Biotechnology Symposium, Paris, 1988.
- International Symposium of Federation of European Societies of Plant Physiologists, Split, Yugoslavia, 1988.
- Meeting of European Institution of Technology, Verona, Italy, 1988.
- ASI Seminar on the Biochemical and Molecular Basis of Plant Aging, Ribadesella, Spain, 1989.
- International Meeting on Grapevine Breeding, Siebeldingen, Germany, 1989.
- VII International Congress on Plant Tissue and Cell Culture, Amsterdam, Holland, 1990.
- 7<sup>th</sup> Congress of the Federation of European Societies of Plant Physiologists, Umea, Sweden, 1990.
- XXIII International Horticultural Congress, Florence, Italy, 1990.
- International Symposium on Nitrogen in Grapes and Wine, Seattle, WA, 1991.
- 42<sup>th</sup> Annual Meeting of the American Society of Enology and Viticulture, Seattle, WA, USA, 1991.
- Meeting of International Council on Grapevine Viruses, Nyon, Switzerland, 1993.

- 8<sup>th</sup> Congress of the Federation of European Societies of Plant Physiologists, Antwerpen, Belgium, 1992.
- ASI on Morphogenesis in Plants: Molecular Approaches, Heraklio, 1992 (Director).
- 5<sup>th</sup> International Congress of the European Society for Photobiology, Marburg, Germany, 1993.
- 4<sup>th</sup> International Society of Plant Molecular Biology Congress, Amsterdam, The Netherlands, 1994.
- XXIV<sup>th</sup> International Horticultural Congress, Kyoto, Japan, 1994.
- 9<sup>th</sup> Congress of the Federation of European Societies of Plant Physiologists, Brno, Czech Republic, 1994.
- 5<sup>th</sup> Congress of Hellenic Botanical Society, Delfi, 1994.
- European Colloquium on Evaluation in Biology, Toledo, Spain, March 1995.
- 9<sup>th</sup> Congress of the Federation of European Societies of Plant Physiologists, Florence, Italy, September 1996.
- 10<sup>th</sup> Congress of the Feder. of Europ. Soc. of Plant Physiologists, Florence, Italy, September 1996.
- International Grapevine Physiology Congress (invited keynote speaker), Jerusalem, Israel, May 1997.
- First EUROBIO Congress, Florence, Italy, June 1997.
- First Balkan Botanical Congress, Thessaloniki, Hellas, September 1997.
- Second Eurobio Congress, Madrid, June 1998.
- International Congress on Grapevine Genetics, Montpellier, France, July 1998.
- Fifth International Symposium on Inorganic Nitrogen Assimilation. Luso, Portugal, June 1998.
- 11<sup>th</sup> Congress of the Federation of European Societies of Plant Physiologists, Varna, Bulgaria, September 1998.
- Meeting of the European Biotechnology Network, Brussels, 4-6 September 1998.
- 7<sup>th</sup> Panhellenic Conference of Hellenic Society of Plant Breeding, Heraklio, Greece, October 1998.
- Genetically Modified Microorganisms in Agriculture, Athens 8-9 December 1998.
- XXII Semana Vitivinicola: II Encuentro Europ. de Reg. Insulare del Vino. 12-13 May 1999, Santa Cruz, Tenerife.
- 9<sup>th</sup> Symposium "Arts and techniques of Viticulture and Oenology in Northern Greece" organised by the Cultural and Technological Foundation of the National Bank for Industrial Development (ETBA). Drama, Greece, 25-27 June 1999.
- 19<sup>th</sup> Scientific Congress of the Hellenic Society of Horticulture. 25-27<sup>th</sup> October 1999. Candia Maris, Heraklion, Greece.
- 3<sup>rd</sup> Congress of the European Association of University Departments and Faculties of Biology (EUROBIO), Budapest, June 3-5, 1999.
- Cellular responses to oxidative and osmotic stress. Egmond aan Zee, the Netherlands, August 28-September 1, 1999.
- Prospects for Genetics and Breeding. BAZ – Institute for Grapevine Breeding Geilweilerhof, 76833 Siebeldingen, Germany, July 3-4, 1999.
- International Symposium On Muscats-Approaching The XXI<sup>th</sup> Century,

- November 6-7, 1999, Canelli (Asti), Italy 1999.
- 6<sup>th</sup> International Symposium on Grapevine Physiology and Biotechnology, Heraklion, Crete, 11-16 June 2000.
- 12<sup>th</sup> Congress of the Federation of European Societies of Plant Physiology, Budapest, 21-25 August 2000.
- 6<sup>th</sup> International Symposium on Inorganic Nitrogen Assimilation, Reims, France, 8-12 July 2001.
- 5<sup>th</sup> International Conference on Oxygen, free radicals and oxidative stress in plants. Nice, France, 19-21 November 2001.
- 13<sup>th</sup> Intern Congress of the Federation of European Societies of Plant Biology, Hersonissos, Crete, Greece, 2-6 September 2002.
- International Congress on Free Radicals and Oxidative Stress, 26-28 June 2003, Ioannina, Greece.
- Conference on "Plant Stress, Reactive Oxygen and Antioxidants", Freising-Weihenstephan, September 10-13, 2003.
- International Conference on Monitoring Systems and Technologies for Water Treatment, Buenos Aires, Argentina, 19-23 April 2004.
- First COST858 Meeting on Abiotic Stress, Ascona, Switzerland, 29 April-1 May 2004.
- 7<sup>th</sup> International Conference on Inorganic Nitrogen Assimilation, Wageningen, The Netherlands, 23-25 June 2004.
- 14<sup>th</sup> Intern Congress of the Federation of European Societies of Plant Biology, Krakow, Poland, 23-27 August 2004.
- 2<sup>nd</sup> EPSO Congress, Ischia, Italy, 2004.
- 2<sup>nd</sup> COST858 Meeting on Abiotic Stress, Mallorca, Spain, 8-10 September 2004.
- 4<sup>th</sup> COST858 Meeting on Gene Functional Gene Analysis in Grapevine, Geilweilerhof, Germany, 6-7 October 2005.
- 2<sup>nd</sup> Meeting on Malvasias, Heraklion, 29-30 September 2005.
- O.I.V. International Meeting, Logroño, Spain, June 25<sup>th</sup>, 2006.
- Breeding and Biotechnology of Grapevine Meeting, Udine, Italy, 2 July 2006.
- International Biotechnology Congress, Hammamet, Tynisia, 25-29 March 2006.
- 15<sup>th</sup> Intern Congress of the Federation of European Societies of Plant Biology, Lyon, France, 16-20 July 2006 [www.fespb2006.org](http://www.fespb2006.org).
- Abiotic stress and grape functional genomics. Workshop COST 858. Prague, Czech republic, September 14-16, 2006 <http://c858w.ueb.cas.cz>.
- Grape bioinformatic workshop, Bordeaux, France, November 16 -17, 2006 (<http://www2.univ-poitiers.fr/cost858/news/>).
- Understanding the genetic and molecular basis of quality and production traits in grapevine: From traits to genes and backwards. Logroño, La Rioja (Spain), May 6-8 th, 2007.
- NITROGEN2007 Meeting, Lancaster, U.K., 27 July-1 August 2007.
- Signalling control of stress tolerance and production of stress protective compounds Meeting, COST0605, Matera, Italy, 11-14 April 2008.
- Intern Congress on Abiotic Stress in Plants, Santa Helena-Sofia, Bulgaria, 11-17 May 2008.
- Abiotic Stress in Grapevine, COST858 Meeting, Porto, Portugal, 25-28 May, 2008.

- 16<sup>th</sup> Intern Congress of the Federation of European Societies of Plant Biology, Tampere, Finland, 17-22 August 2008 [www.fespb2008.org](http://www.fespb2008.org), 15-16 June 2009, Black forest, Germany.

## RESEARCH ACTIVITIES

The following research projects are in progress under her supervision:

1. Molecular regulation of morphogenic expression in plant explants and protoplasts (Molecular and biochemical analysis of antioxidative enzymes and endogenous antioxidant biomolecules. Programmed cell death. Polyamines)
2. Molecular responses of plants to abiotic stress. Reactive oxygen species, Oxidative stress, Antioxidant genes, Ammonia detoxification and Polyamines.
3. Molecular physiology of ammonia assimilation in plants. Characterization and regulation of respective genes. Transgenics.
- 4 Development of molecular markers (microsatellites) for *Vitis* genotype identification.

## LIST OF SCIENTIFIC PUBLICATIONS

### A. DISSERTATIONS

1. Roubelakis, K.A. 1975. Effect of Controlled Temperature, Light Intensity and some Growth Regulators on Fruit-set, Fertilization of Ovules and Berry Development of Several *Vitis-vinifera* L Cultivars. M.S. Thesis, Univ. of California, Davis, pp.48.
2. Roubelakis, K.A. 1977. Changes in the concentrations of free arginine and the activities of ornithine transcarbamoylase and arginase during the early stages of grape berry development (*Vitis vinifera* L. cv Chenin blanc). M.S. special report, Univ. of California, Davis, pp. 14.
3. Roubelakis, K.A. 1977. Enzymes of Krebs-Henseleit Cycle in *Vitis vinifera* L. Ph.D. Dissertation, Univ. of California, Davis, pp. 120.

### B. PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED JOURNALS

4. Roubelakis, K.A. and W.M. Kliewer. 1976. Influence of light intensity and of some growth regulators on fruit-set and ovule fertilization in grape cultivars under low temperature conditions. **Amer. J. Enol. Vitic.** 27: 163-167.
5. Roubelakis, K.A. and W.M. Kliewer. 1978. Enzymes of Krebs-Henseleit Cycle in *Vitis vinifera* L. I. Ornithine transcarbamoylase: isolation and some properties. **Plant Physiol.** 62: 337-339.
6. Roubelakis, K.A. and W.M. Kliewer. 1978. Enzymes of Krebs-Henseleit Cycle in *Vitis vinifera* L. II. Arginosuccinate synthetase and lyase. **Plant Physiol.** 62: 340-343.
7. Roubelakis, K.A. and W.M. Kliewer. 1978. Enzymes of Krebs-Henseleit Cycle in *Vitis vinifera* L. III. *In vivo* and *in vitro* studies of arginase. **Plant Physiol.** 62: 344-347.
8. Roubelakis K.A. and W.M. Kliewer. 1978. Changes in the activities of ornithine transcarbamoylase and arginase and the concentrations of nitrogenous substances during germination and seedling development of *Vitis vinifera* L. **Vitis** 17: 377-385.

9. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1979. The composition of bleeding sap from Thompson seedless grapevines as affected by nitrogen fertilization. **Amer. J. Enol. Vitic.** 30: 14-18.
10. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1981. Influence of nitrogen fertilization on activities of ornithine transcarbamoylase and arginase in Chenin blanc berries at different stages of development. **Vitis** 20: 130-135.
11. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1983. Ammonia assimilation in *Vitis vinifera* L. I. Isolation and properties of leaf and root glutamate dehydrogenase. **Vitis** 22: 202-210.
12. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1983. Ammonia assimilation in *Vitis vinifera* L. II. Leaf and root glutamine synthetase. **Vitis** 22: 299-305.
13. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1984. Ammonia assimilation in *Vitis vinifera* L. III. Glutamate oxaloacetic transaminase from leaf and root tissue. **Vitis** 23: 37-41.
14. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1985. Phenylalanine ammonia-lyase in *Vitis vinifera* L.: Enzyme extraction and possible sources of error during assaying. **Amer. J. Enol. Vitic.** 36(4): 314-315.
15. Roubelakis-Angelakis, K.A. and W.M. Kliewer. 1986. Effects of exogenous factors on phenylalanine ammonia-lyase activity and accumulation of anthocyanins and total phenolics in Grape Berries (*Vitis vinifera* L. cv Cardinal). **Amer. J. Enol. Vitic.** 37: 275-281.
16. Cook, C.M., T. Lanaras, and K.A. Roubelakis-Angelakis. 1988. Bicarbonate transport and alkalisation of the medium by four species of Rhodophyta. **J. Exp. Bot.** 39(206): 1185-1198.
17. Theodoropoulos, P.A. and K.A. Roubelakis-Angelakis. 1989. Mechanism of arginine transport in *Vitis vinifera* L. protoplasts. **J. Exp. Bot.** 40: 1223-1230.
18. Theodoropoulos, P.A. and K.A. Roubelakis-Angelakis. 1990. Progress in isolation and culture of leaf protoplasts from virus free axenic shoot cultures of *Vitis vinifera* L. **Plant Cell Tiss. Org. Cult.** 20: 15-23.
19. Loulakakis, K.C. and K.A. Roubelakis-Angelakis. 1990. Intracellular localization and properties of NADH-Glutamate dehydrogenase from *Vitis vinifera* L.: Purification and characterization of the major isoenzyme. **J. Exp. Bot.** 41(231): 1223-1230.
20. Loulakakis, K.A. and K.A. Roubelakis-Angelakis. 1990. Immunocharacterization of NADH-Glutamate dehydrogenase from *Vitis vinifera* L. **Plant Physiol.** 94:109-113.
21. Theodoropoulos, P.A. and K.A. Roubelakis-Angelakis. 1991. Glucose transport in *Vitis vinifera* L. protoplasts. **J. Exp. Bot.** 42(237): 477-483.
22. Kanellis, A.K., T. Solomos, and K.A. Roubelakis-Angelakis. 1991. Suppression of cellulase and polygalacturonase and induction of alcohol dehydrogenase isoenzymes in avocado fruit mesocarp subjected to low oxygen stress. **Plant Physiol.** 96: 269-274.
23. Roubelakis-Angelakis, K.A. and S.I. Zivanovitch. 1991. A new culture medium for *in vitro* rhizogenesis of grapevine (*Vitis* spp.) genotypes. **HortSci.** 26: 1551-1553.
24. Katsirdakis, K.C. and K.A. Roubelakis-Angelakis. 1991. Callogenic potentiality of leaf segments and shoot proliferation response of *Vitis* spp. genotypes. **J. Wine Res.** 2(2): 83-95.
25. Loulakakis, K.A. and K.A. Roubelakis-Angelakis. 1991. Plant NAD(H) Glutamate dehydrogenase consists of two subunit polypeptides and their

- participation in the seven isoenzymes occurs in an ordered ratio. **Plant Physiol.** 97: 104-111.
26. Katsirdakis, K.C. and K.A. Roubelakis-Angelakis. 1992. Modified culture medium and culture conditions increase viability and cell wall synthesis in grapevine (*Vitis vinifera* L. cv Sultanina) leaf protoplasts. **Plant Cell Tiss. Org. Cult.** 28: 255-260.
  27. Katsirdakis, K.C. and K.A. Roubelakis-Angelakis. 1992. Ultrastructural and biochemical aspects of cell wall regeneration in recalcitrant and regenerating leaf protoplasts. **In vitro Cell. Dev. Biol.** 28p: 2: 90-96.
  28. Benson, E.E. and K.A. Roubelakis-Angelakis. 1992. Fluorescent lipid peroxidation products and antioxidant enzymes in tissue cultures of *Vitis vinifera* L. **Plant Sci.** 84: 83-90.
  29. Loulakakis, K.A. and K.A. Roubelakis-Angelakis. 1992. Ammonium-induced increase in NADH-glutamate dehydrogenase activity is caused by *de novo* synthesis of the  $\alpha$ -subunit. **Planta** 187: 322-327.
  30. Siminis, C.I., A.K. Kanellis, and K.A. Roubelakis-Angelakis. 1993. Differences in protein synthesis and peroxidase isoenzymes between recalcitrant and regenerating protoplasts. **Physiol. Plant.** 87: 263-270.
  31. Kotzabasis, K., M.D. Christakis-Hampsas, and K.A. Roubelakis-Angelakis. 1993. A Narrow-Bore HPLC method for the identification and quantitation of free, conjugated and bound polyamines. **Anal. Biochem.** 214: 484-489.
  32. Kotzabasis, K., C. Fotinou, K.A. Roubelakis-Angelakis, and D. Ghanotakis. 1993. Polyamines in the photosynthetic apparatus of spinach. Photosystem II highly resolved subcomplexes contain only spermine. **Photos. Res.** 38: 83-88.
  33. Benson, E.E. and K.A. Roubelakis-Angelakis. 1994. Oxidative stress in recalcitrant tissue cultures of grapevine. **Free Rad. Biol. Medic.** 16(3): 355-362.
  34. Loulakakis, K.A., K.A. Roubelakis-Angelakis, and A.K. Kanellis. 1994. Regulation of glutamate dehydrogenase and glutamine synthetase in avocado fruit during development and ripening. **Plant Physiol.** 106: 217-222.
  35. Siminis, C.I., A.K. Kanellis, and K.A. Roubelakis-Angelakis. 1994. Catalase is differentially expressed in dividing and nondividing protoplasts. **Plant Physiol.** 105: 1375-1383.
  36. Harding, K. and K.A. Roubelakis-Angelakis. 1994. The isolation and purification of DNA from *Vitis vinifera* L. plants and *in vitro* plantlets. **Vitis** 33: 247-248.
  37. Tsatsakis, A.M., K.N. Paritsis, M.I. Shtilman, I.B. Shashkova, and K.A. Roubelakis-Angelakis. 1995. 1-Naphthylacetic acid slow release formulations: auxin type effect in tobacco leaf segments is affected by structure and hydrolysis. **Plant Growth Regulation** 17: 2: 167-174.
  38. Loulakakis, K.A. and K.A. Roubelakis-Angelakis. 1996. The seven NAD(H)-Glutamate dehydrogenase isoenzymes exhibit similar anabolic and catabolic activities. **Physiol. Plant.** 96: 29-35.
  39. de Marco, A. and K.A. Roubelakis-Angelakis. 1996. The complexity of enzymic control of hydrogen peroxide concentration may affect the regeneration potential in plant protoplasts. **Plant Physiol.** 110: 137-145.
  40. Syntichaki, K.M., K.A. Loulakakis, and K.A. Roubelakis-Angelakis. 1996. The amino acid sequence similarity of plant Glutamate dehydrogenase with the extremophilic archaeal enzyme conforms to its stress related function. **Gene** 168: 87-92.

41. Loulakakis, K.A., K.A. Roubelakis-Angelakis, and A.K. Kanellis. 1996. Isolation of functional RNA from grapevine tissues poor in nucleic acid content. **Amer. J. Enol. Vitic.** 47(2): 181-185.
42. de Marco, A. and K.A. Roubelakis-Angelakis. 1996. Hydrogen peroxide plays a bivalent role in the regeneration of protoplasts. **J. Plant Physiol.** 149: 109-114.
43. de Marco, A. and K.A. Roubelakis-Angelakis. 1996. Peroxidase contribution to protoplast regeneration. **Plant Peroxidase Newsletter** 8: 3-5.
44. Harding, K., E.E. Benson, and K.A. Roubelakis-Angelakis. 1996. Methylated DNA changes associated with the initiation and maintenance of *Vitis vinifera* L. *in vitro* shoot and callus cultures: A possible mechanism for age related changes. **Vitis** 35(2): 79-85.
45. Loulakakis K.A. and K.A. Roubelakis-Angelakis. 1996. Characterization of *Vitis vinifera* L glutamine synthetase and molecular cloning of cDNAs for the cytosolic enzyme. **Plant Mol. Biol.** 31: 983-992.
46. Loulakakis, K.A. and K.A. Roubelakis-Angelakis. 1997. Molecular cloning and characterization of cDNAs coding for ferredoxin-dependent glutamate synthase from *Vitis vinifera* L. **Physiol. Plant.** 101: 220-228.
47. de Marco, A. and K.A. Roubelakis-Angelakis. 1997. Laccase activity could contribute to cell-wall reconstitution in regenerating protoplasts. **Phytochemistry** 46: 421-426.
48. Pedroso, C.M., N. Primikirios, K.A. Roubelakis-Angelakis, and M.S. Pais. 1997. Free and conjugated polyamines in embryogenic and non-embryogenic leaf regions of camellia leaves before and during direct somatic embryogenesis. **Physiol. Plant.** 101: 213-219.
49. Primikirios, N.I. and K.A. Roubelakis-Angelakis. 1999. Cloning and expression of an arginine decarboxylase cDNA from *Vitis vinifera* L. cell-suspension cultures. **Planta** 208: 574-582.
50. de Marco, A. and K.A. Roubelakis-Angelakis. 1999. Specific features of the ascorbate/glutathione cycle in cultured protoplasts. **Plant Cell Rept.** 18: 406-411.
51. Papadakis, A.I. and K.A. Roubelakis-Angelakis. 1999. Generation of active oxygen species differs in tobacco and grapevine mesophyll protoplasts. **Plant Physiol.** 121: 197-205.
52. Lefort F., Anzidei M., Roubelakis-Angelakis K.A., Vendramin. 1999. Microsatellite profiling of the Greek Muscat cultivars with nuclear and chloroplast SSRs markers. **Quaderni della Scuola di Specializzazione in Scienze Viticole ed Enologiche** N. 23:57-82.
53. Sefc, K.M, M.S. Lopes, F. Lefort, R. Botta, K.A. Roubelakis-Angelakis, J. Ibáñez, I. Pejic, H. W.Wagner, J. Glössl, and H. Steinkellner. 2000. Microsatellite variability in grapevine cultivars from different European regions and evaluation of assignment testing to specify the geographic origin of cultivars. **Theor. Appl. Gen.** 100: 498-505.
54. Primikirios, N. I., K. A. Loulakakis, F. Lefort, and K. A. Roubelakis-Angelakis. 2000. Nitrogen metabolism and recycling genes cloned from *Vitis vinifera* L. **Acta Hort.** 528:231-239.
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