

CURRICULUM VITAE

PERSONAL INFORMATION

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| Name, Surname | Antonio Dore |
| Address | CNR-Istituto di Scienze delle Produzioni Alimentari, Traversa La Crucca 3, Loc. Baldinca, 07040 Li Punti, Sassari, Italy |
| Telephone | 00 39 79 2841712 |
| Fax | 00 39792841799 |
| E-mail | antonio.dore@ispa.cnr.it |
| Nationality | Italian |
| Place and Date of birth | Sassari, Italy, December 6 th , 1965 |

WORK EXPERIENCE

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| Dates (from-to) | March 2001 up to now |
| Name and address of employer | Consiglio Nazionale delle Ricerche, Istituto di Scienze delle Produzioni Alimentari, Traversa La Crucca 3, Loc. Baldinca, 07040 Li Punti Sassari, Italy |
| Type of business or sector | Governative Research Organization |
| Occupation or position held | Researcher |
| Main activities and responsibilities | Development of technologies for fruit postharvest management |
| Dates (from-to) | 1999 – 2001 |
| Name and address of employer | Centro Regionale Agrario Sperimentale, viale Trieste 110, 09070 Cagliari, Italy |
| Type of business or sector | Public Research Company of “Regione Autonoma della Sardegna” |
| Occupation or position held | Researcher |
| Main activities and responsibilities | Analysis of pesticides |
| Dates (from-to) | 1997 – 1999 |
| Name and address of employer | Stazione Sperimentale del Sughero, via Limbara 9, 07029 Tempio Pausania, Italy |
| Type of business or sector | Public Research Company of “Regione Autonoma della Sardegna” |
| Occupation or position held | Researcher |
| Main activities and responsibilities | Implementation of Quality assurance system according to EN |

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| | 45000 standard |
| Dates (from-to) | 1994 – 1996 |
| Name and address of employer | Istituto Zooprofilattico Sperimentale della Sardegna, via Duca degli Abruzzi, 8, 07100 Sassari, Italy |
| Type of business or sector | Public Research Company of “Regione Autonoma della Sardegna” |
| Occupation or position held | Grant holder |
| Main activities and responsibilities | Analysis of metals and pesticides Implementation of Quality assurance systems according to EN 45000 standard |
| Dates (from-to) | March 1993 – December 1994 |
| Name and address of employer | Dipartimento di Chimica, via Vienna 2, 07100 - Sassari , Italy |
| Type of business or sector | University of Sassari |
| Occupation or position held | Grant holder |
| Main activities and responsibilities | Organic synthesis |
| Dates (from-to) | March 1992 – February 1993 |
| Name and address of employer | C.N.R.S – I.S.M.Ra, Laboratoire de Chimie des Composés Thio-organiques, 6 Boulevard Marechal Juin 14050 CAEN, France |
| Type of business or sector | Governative Research Organization |
| Occupation or position held | Post-doc fellowship |
| Main activities and responsibilities | Organic synthesis |
| Dates (from-to) | March 1993 – December 1994 |
| Name and address of employer | Dipartimento di Chimica, via Vienna, 2 07100 - Sassari, Italy |
| Type of business or sector | University of Sassari |
| Occupation or position held | Grant holder |
| Main activities and responsibilities | Organic synthesis |
| Dates (from-to) | November 1990 – February 1992 |
| Name and address of employer | Dipartimento di Chimica, via Vienna, 2 07100 - Sassari , Italy |
| Type of business or sector | University of Sassari |
| Occupation or position held | Grant Holder |
| Main activities and responsibilities | Organic synthesis |

EDUCATION AND TRAINING

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| Dates (from-to) | 1998 – 2000 |
| Name and type of organisation providing education and training | University of Parma, Italy |
| Principal subjects occupational skills covered | Food Chemistry |
| Title of qualification awarded | “Specializzazione in Chimica e Tecnologie Alimentari” |
| Dates (from-to) | 1984 – 1990 |
| Name and type of organisation providing education and training | University of Sassari, Italy |
| Title of qualification awarded | “Laurea in Chimica” |

RESEARCH ACTIVITIES

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| Research sectors | <p>Development of new postharvest technologies based on:</p> <ul style="list-style-type: none"> • Optimization of the efficacy of the traditional pesticides by the use of physical means (ultrasound, UV-light, heat) and/or general recognized as safe compounds • Induction of the natural defence mechanisms of fruit • Interaction host fruit - pesticide |
| Skills | <ul style="list-style-type: none"> • Theoretical and practical knowledge of instrumental analytical techniques (GC, HPLC, mass spectroscopy, AA) • Pesticide analyses • Development and validation of analytical method for natural compounds • Food Chemistry • Postharvest technologies • Quality assurance for analytical laboratory |
| Publications | Co-author of 48 on peer-reviewed journal papers |

- 1) Molinu M. G., Dore A., Palma A., D'Aquino S., Azara E., Rodov V., D'hallewin G. "Effect of superatmospheric oxygen storage on the content of phytonutrients in Sanguinello Comune blood orange". *Postharvest Biol. Tech.* 2016, 112, 2430-2437.
- 2) Molinu M. G., Dore A., Palma A., D'Aquino S., Azara E., Rodov V., D'hallewin G. "Effect of superatmospheric oxygen storage on the content of phytonutrients in Sanguinello Comune blood orange". *Postharvest Biol. Tech.* 2016, 112, 2430-2437.
- 3) Dore, A., Molinu, M.G., Venditti, T., D'hallewin, G. "Use of high-intensity ultrasound to increase the efficiency of imazalil in postharvest storage of citrus fruits", *Food Biopr.Tech.*, **2013**, 6 (11), pp 3029-3037.
- 4) Dore A., Molinu M. G., Venditti T., Culeddu N., Chessa M., D'hallewin G. "NMR-imaging studies on fungicide motion into citrus fruit rind following hot water immersion", *Acta Hort.*, **2010**, 877, pp 1419-1424.
- 5) Dore A., Molinu M.G., Venditti T., D'hallewin G. "Sodium bicarbonate induces crystalline wax generation, activates host-resistance, and increases imazalil level in rind wounds of oranges, improving the control of green mold during storage" *Journal Agric. Food Chem.*, **2010**, 58 (12) , pp 7297-7304.
- 6) Dore A.; Molinu M.G.; Venditti T.; D'hallewin G. "Immersion of lemons into imazalil mixtures heated at 50 °c alters the cuticle and promotes permeation of imazalil into rind wounds", *Journal Agric.Food.Chem.*, **2009**, 57 (2) , pp 623-631.
- 7) Venditti, T.; Dore, A.; Molinu, M.G.; Agabbio, M.; D'hallewin, G. " Combined effect of curing followed by acetic acid vapour treatments improves postharvest control of *Penicillium digitatum* on mandarins", *Postharvest Biol. Tech.* **2009**, 54 (2), 2430-2437..
- 8) Venditti, T.; Molinu, M.G.; Dore, A.; Agabbio, M.; D'hallewin, G. "Sodium carbonate treatment induces

scoparone accumulation, structural changes and
alkalinization in the albedo of wounded citrus fruits”,
Journal Agric.Food.Chem., **2005** 53 (9) , pp 3510-3518.