

## **Journal articles (indexes by Scopus)**

### **2016**

P Stevanato, D Trebbi, M Saccomani (2016) SNP10139 as genetic marker of root elongation rate in sugar beet *Biologia Plantarum*.

Zhi Pi, Piergiorgio Stevanato, Fei Sun, Yun Yang, Xuwei Sun, Huijie Zhao, Gui Geng, Lihua Yu (2016) Proteomic changes induced by potassium deficiency and potassium substitution by sodium in sugar beet. *Journal of Plant Research*.

Stevanato, A Squartini, G Concheri, M Saccomani (2016) Sugar beet yield and processing quality in relation to nitrogen content and microbiological diversity of deep soil layer *Sugar Tech* 18: 1. 67-74.

### **2015**

P Stevanato, F Biscarini (2015) Digital PCR as new approach to SNP genotyping in sugar beet *Sugar Tech* 1-4.

H Muranty, M Troggio, I Ben Sadok, M Al Rifai, A Auwerkerken, E Banchi, R Velasco, P Stevanato, W E van de Weg, M Di Guardo, S Kumar, F Laurens, M Bink (2015) Accuracy and responses of genomic selection on key traits in apple breeding. *Horticulture Research* 2: 12.

P Stevanato, D Trebbi, L Panella, K Richardson, C Broccanello, L Pakish, A L Fenwick, M Saccomani (2015) Identification and Validation of a SNP Marker Linked to the Gene *HsBvm-1* for Nematode Resistance in Sugar Beet *Plant Molecular Biology Reporter* 33: 3. 474-479.

F Biscarini, S Marini, P Stevanato, C Broccanello, R Bellazzi, N Nazzicari (2015) Developing a parsimonious predictor for binary traits in sugar beet (*Beta vulgaris*) *Molecular Breeding* 35: 1.

L Panella, L E Hanson, J M McGrath, A L Fenwick, P Stevanato, L Frese, R T Lewellen (2015) Registration of FC305 multigerm sugarbeet germplasm selected from a cross to a crop wild relative *Journal of Plant Registrations* 9: 1. 115-120.

P Stevanato, P Fedito, D Trebbi, M Cagnin, M Saccomani, G Cacco (2015) Effect of sulfate availability on root traits and microRNA395 expression in sugar beet *Biologia Plantarum* 59: 3. 491-496.

P Stevanato, M De Biaggi, C Broccanello, E Biancardi, M Saccomani (2015) Molecular genotyping of "Rizor" and "Holly" rhizomania resistances in sugar beet *Euphytica* 206: 2. 427-431.

E Baldan, S Nigris, C Romualdi, S D'Alessandro, A Clocchiatti, M Zottini, P Stevanato, A Squartini, B Baldan (2015) Beneficial bacteria isolated from grapevine inner tissues shape *Arabidopsis thaliana* roots PLOS One 10: 10.

D Trebbi, E G Papazoglou, E Saadaoui, M Vischi, M Baldini, P Stevanato, E Cettul, A P Sanzone, L Gualdi, A Fabbri (2015) Assessment of genetic diversity in different accessions of *Jatropha curcas* Industrial Crops and Products 75: 35-39.

C Broccanello, P Stevanato, F Biscarini, D Cantu, M Saccomani (2015) A new polymorphism on chromosome 6 associated with bolting tendency in sugar beet BMC Genetics 16: 1.

## 2014

P Stevanato, M Bertaggia, F Stellin, V Rizzi, P Piffanelli, E Angelini, N Bertazzon, F Fornasier, A Squartini, M Saccomani, G Concheri (2014) Soil biological and biochemical traits linked to nutritional status in grapevine Journal of Soil Science and Plant Nutrition 14: 2. 421-432.

P Stevanato, C Broccanello, F Biscarini, M Del Corvo, G Sablok, L Panella, A Stella, G Concheri (2014) High-throughput RAD-SNP genotyping for characterization of sugar beet genotypes Plant Molecular Biology Reporter 32: 3. 691-696.

Z Pi, P Stevanato, L H Yv, G Geng, X L Guo, Y Yang, C X Peng, X S Kong (2014) Effects of potassium deficiency and replacement of potassium by sodium on sugar beet plants Russian Journal of Plant Physiology 61: 2. 224-230.

F Biscarini, P Stevanato, C Broccanello, A Stella, M Saccomani (2014) Genome-enabled predictions for binomial traits in sugar beet populations BMC Genetics 15

## 2013

A Romano, A Sorgonà, A Lupini, F Araniti, P Stevanato, G Cacco, M R Abenavoli (2013) Morpho-physiological responses of sugar beet (*Beta vulgaris* L.) genotypes to drought stress Acta Physiologiae Plantarum 35: 3. 853-865.

P Stevanato, G Gui, G Cacco, E Biancardi, M R Abenavoli, A Romano, A Sorgonà (2013) Morpho-physiological traits of sugar beet exposed to salt stress International Sugar Journal 115: 1379. 800-809.

P Stevanato, D Trebbi, E Biancardi, G Cacco, J M McGrath, M Saccomani (2013) Evaluation of genetic diversity and root traits of sea beet accessions of the Adriatic Sea coast Euphytica 189: 1. 135-146.

G Matteo, E Vendramin, F Fornasier, S Alberghini, M Zanardo, F Stellin, G Concheri, P Stevanato, A Ertani, S Nardi, V Rizzi, P Piffanelli, R Spaccini, P Mazzei, A Piccolo, A

Squartini (2013) Microbiological features and bioactivity of a fermented manure product (Preparation 500) used in biodynamic agriculture *Journal of Microbiology and Biotechnology* 23: 5. 644-665.

## 2012

P Stevanato, D Trebbi, P Norouzi, C Broccanello, M Saccomani (2012) Identification of SNP markers linked to the Rz1 gene in sugar beet *International Sugar Journal* 114: 1366. 715-718.

## 2011

H Hajizadeh, K Razavi, Y Mostofi, A Mousavi, G Cacco, Z Zamani, P Stevanato (2011) Identification and characterization of genes differentially displayed in *Rosa hybrida* petals during flower senescence *Scientia Horticulturae* 128: 3. 320-324.

O I Pavli, P Stevanato, E Biancardi, G N Skaracis (2011) Achievements and prospects in breeding for rhizomania resistance in sugar beet *Field Crop Research* 122: 3. 165-172.

H Hajizadeh, K Razavi, Y Mostofi, G Cacco, A Mousavi, Z Zamani, P Stevanato (2011) Expression of genes encoding protein kinases during flower opening in two cut rose cultivars with different longevity *Iranian Journal of Biotechnology* 9: 3. 230-233.

P Stevanato, D Trebbi, M Bertaggia, M Colombo, C Broccanello, G Concheri, M Saccomani (2011) Root traits and competitiveness against weeds in sugar beet *International Sugar Journal* 113: 1351. 497-501.

## 2010

P Stevanato, C Zavalloni, R Marchetti, M Bertaggia, M Saccomani, J M McGrath, L W Panella, E Biancardi (2010) Relationship between subsoil nitrogen availability and sugarbeet processing quality *Agronomy Journal* 102: 1. 17-22.

P Stevanato, D Trebbi, M Saccomani (2010) Root traits and yield in sugar beet : Identification of AFLP markers associated with root elongation rate *Euphytica* 173: 3. 289-298.

M De Biaggi, P Stevanato, D Trebbi, M Saccomani, E Biancardi (2010) Sugar beet resistance to rhizomania: state of the art and perspectives *Sugar Tech* 12: 3-4. 238-242.

## 2009

F De Marchis, Y Wang, P Stevanato, S Arcioni, M Bellucci (2009) Genetic transformation of the sugar beet plastome *Transgenic Research* 18: 1. 17-30.

M Saccomani, P Stevanato, D Trebbi, J M McGrath, E Biancardi (2009) Molecular and morpho-physiological characterization of sea, ruderal and cultivated beets Euphytica 169: 1. 19-29.

## **2008**

R Marchetti, G Ponzoni, A Orsi, L Sghedoni, P Stevanato, E Biancardi (2008) Inorganic nitrogen dynamics in soil during sugar beet crop growth Italian Journal of Agronomy 3: 1. 109-110.

## **2005**

C Luterbacher, M J C Asher, W Beyer, G Mandolino, O E Scholten, L Frese, E Biancardi, P Stevanato, W Mechelke, O Slyvchenko (2005) Sources of resistance to diseases of sugar beet in related Beta germplasm : II. Soil-borne diseases Euphytica 141: 1-2. 49-63.

## **2004**

P Stevanato, M Saccomani, M Bertaggia, A Bottacin, M Cagnin, M De Biaggi, E Biancardi (2004) Nutrient uptake traits related to sugarbeet yield Journal of Sugar Beet Research 41: 3. 89-99.

C Luterbacher, M J C Asher, E Deambrogio, E Biancardi, P Stevanato, L Frese (2004) Sources of resistance to diseases of sugar beet in related Beta germplasm : I. Foliar diseases Euphytica 139: 2. 105-121.

## **2002**

E Biancardi, R T Lewellen, M De Biaggi, A W Erichsen, P Stevanato (2002) The origin of rhizomania resistance in sugar beet Euphytica 127: 3. 383-397.

## **2001**

P Stevanato, M De Biaggi, G Skaracis, M Colombo, G Mandolino, E Biancardi (2001) The sea beet (*Beta vulgaris* L. ssp. *maritima*) of the adriatic coast as source of resistance for sugar beet Sugar Tech 3: 3. 77-82.

## **Book chapters**

## **2016**

E Biancardi, P Stevanato (2016) Barbabietola da zucchero In: Miglioramento genetico delle piante agrarie Edited by:New Business Media. .

P Stevanato, P Norouzi, E Biancardi (2016) Assisted breeding In: Rhizomania Edited by:Springer, New York.

## **2012**

C Balconi, P Stevanato, M Motto, E Biancardi (2012) Breeding for biotic stress resistance/tolerance in plants In: Crop Production for Agricultural Improvement Edited by:Springer, New York. 57-114.

## **2011**

P Stevanato, M Bertaggia, G Concheri, E Biancardi (2011) Drought adaptive traits for sugar beet improvement In: Water Shortages: Environmental, Economic and Social Impacts Edited by:Nova Science Publishers, New York. 223-233.

## **2010**

E Biancardi, J M McGrath, L W Panella, R T Lewellen, P Stevanato (2010) Sugar beet In: Tuber and Root Crops Edited by:Springer, New York. 173-219.

## **2009**

P Stevanato, J M McGrath, E Biancardi (2009) Sugar Beet (*Beta vulgaris* L. ssp. *vulgaris*) In: Manual of Methods for Soil and Land Evaluation Edited by:Science Publishers, Enfield, USA. 236-248.

## **2007**

J M McGrath, M Saccomani, P Stevanato, E Biancardi (2007) Beet In: Genome Mapping and Molecular Breeding in Plants Edited by:Springer, Berlin. 135-151.

## **2006**

E Biancardi, P Stevanato (2006) Barbabietola da zucchero In: Manuale di valutazione dei suoli e delle terre Edited by:Edizioni Cantagalli, Siena. 359-374.

## **2005**

P Stevanato (2005) Resistance to abiotic stresses In: Genetics and Breeding of Sugar Beet Edited by:Science Publishers, Enfield, USA. .

## **2002**

E Biancardi, P Stevanato (2002) L'evoluzione delle varietà di barbabietola da zucchero coltivate in Italia In: Fra tutti i gusti il più soave...Per una storia dello zucchero e del miele in Italia. Edited by:Edizioni CLUEB, Bologna. 173-186.