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Salt affected soils: monitoring, risk assessment and effects on plants [Q](#)

Convener: Konstantin Ivushkin [Q](#) | Co-Conveners: Sjoerd E.A.T.M. van der Zee [Q](#), Albino Maggio [Q](#), Luis Santos Pereira [Q](#), Hongbo Shao [Q](#), Vanessa Wong [Q](#)

[Orals](#) / Fri, 28 Apr, 13:30–15:15

[Posters](#) / Attendance Fri, 28 Apr, 17:30–19:00

Attendance Time: **Friday, 28 April 2017, 17:30–19:00**

Hall X1

Chairperson: Konstantin Ivushkin

X1.116 [EGU2017-1776](#)

Relationship between rhizosphere soil properties and blossom-end rot of tomatoes in coastal saline-alkali land [\(withdrawn\)](#)

Tianyun Shao, Jianjing Zhao, Yawen Wu, *Xiaohua Long*, Zhaopu Liu, and Rengel Zed

X1.117 [EGU2017-2096](#)

Effects of poly- γ -glutamic acid biopreparation (PGAB) on nitrogen conservation in the coastal saline soil

Lihua Chen, Xianghong Xu, Huan Zhang, Rui Han, Yao Cheng, Xueyi Tan, and Xuanyu Chen

X1.119 [EGU2017-7220](#)

Validation and application of a two-dimensional model to simulate soil salt transport under mulched drip irrigation

Huiqing Jiao, Chengyi Zhao, Yu Sheng, Yan Chen, Jianchu Shi, and Baoguo Li

X1.120 [EGU2017-9762](#)

A natural saline soil as a model for understanding to what extent the concentration of salt affects the distribution of microorganisms

Loredana Canfora, Flavia Pinzari, Giuseppe Lo Papa, Livia Vittori Antisari, Elisa Vendramin, Luca Salvati, Carmelo Dazzi, and Anna Benedetti

X1.121 [EGU2017-1681](#)

Jerusalem artichoke decreased salt content and increased diversity of bacterial communities in the rhizosphere soil in the coastal saline zone

Tianyun Shao, Niu Li, Yongwen Cheng, Xiaohua Long, Hongbo Shao, and Rengel Zed

X1.122 [EGU2017-1780](#)

Paddy periphyton: an important regulator in phosphorus migration between the soil and water interface in coastal reclaimed land

Haiying Lu, Zhaolong Xu, and Hongbo Shao

X1.123 [EGU2017-2167](#)

Jiangsu coastal highland reclamation and its wetland ecological construction---a case analysis of the Tiaozini reclamation project

Meixiu Yu and Xianghong Xu

X1.124 [EGU2017-6679](#)

Updates on Water Use of Pistachio Orchards Grown in the San Joaquin Valley of California on Saline Soils

Daniele Zaccaria, Giulia Marino, Michael Whiting, Blake Sanden, Louise Ferguson, Bruce Lampinen, Eric Kent, Richard Snyder, Stephen Grattan, and Cayle Little

X1.125 [EGU2017-13429](#)

Landscape scale assessment of soil and water salinization processes in agricultural coastal area.

Aplena Elen Bless, Stéphane Follain, François Coiln, and Armand Crabit

X1.126 [EGU2017-18266](#)

Alfalfa (*Medicago sativa* L.) is tolerant to higher levels of salinity than previous guidelines indicated: Implications of field and greenhouse studies

Highlight

Daniel H. Putnam, Sharon Benes, Giuliano Galdi, Bob Hutmacher, and Steve Grattan

X1.127 [EGU2017-19408](#)

Algal derivatives may protect crops from residual soil salinity: a case study on a tomato-wheat rotation

Emilio Di Stasio, Giampaolo Raimondi, Michael Van Oosten, and *Albino Maggio*