

Bibliography

The publications table contains information about some publications pertinent to DUALEM instruments, which incorporate horizontal coplanar (HCP) and perpendicular (PRP) arrays and generally operate at low induction number (LIN). Dualem thanks the authors who have published data for finding applications for our instruments and sharing the results of their work. Most of the referenced publications are peer-reviewed, and authored by persons independent of Dualem Inc. Journal references generally follow the format of:

Name **volume**(number) page-page.

A list of journal abbreviations and names follows the table. Dualem appreciates any comments about information contained in or missing from this file. Contact information is at www.dualem.com.

Author(s)	Year	Title	Source
Arshad, M., Li, N., Zhao, D., Sefton, M. and Triantafyllis, J.	2019	Comparing management zone maps to address infertility and sodicity in sugarcane fields	STR 193 122-132
Atwell, A. and Wuddivira, M	2019	Electromagnetic-induction and spatial analysis for assessing variability in soil properties as a function of land use in tropical savanna ecosystems	SNAS doi.org/10.1007/s42452-019-0902-9
Coggins, S., Malone, B., Stockmann, U., Possell, M. and McBratney, A.	2019	Towards meaningful geographical indications: Validating terroirs on a 200 km ² scale in Australia's lower Hunter Valley	GR 15 e00209
Delefortrie, S., Hanssens, D., Saey, T., Van De Vijver, E., Smetryns, M., Bobe, C. and De Smedt, P.	2019	Validating land-based FEDM data and derived conductivity maps: Assessment of signal calibration, signal attenuation and the impact of heterogeneity	JAG 164 179-190
Farooque, A., Zare, M., Abbas, F., Zaman, Q., Bos, M., Esau, T., Acharya, B and Schumann, A.	2019	Evaluation of DualEM-II sensor for soil moisture content estimation in the potato field of Atlantic Canada	PSE 65 (6) 290-297
Filippi, P., Jones, E., Ginns, B., Whelan, B., Roth, G. and Bishop, T.	2019	Mapping the depth-to-soil pH constraint, and the relationship with cotton and grain yield at the within-field scale	Agronomy 9 (5) article 251, 15 pp.
Finkenbiner, C., Franz, T., Gibson, J., Heeren, D. and Luck, J.	2019	Integration of hydrogeophysical datasets and empirical orthogonal functions for improved irrigation water management	PA 20 (1) 78-100
Hansen, A., Jakobsen, R., Refsgaard, J., Hojberg, A., Iversen, B. and Kjaergaard, C.	2019	Groundwater dynamics and effect of tile drainage on water flow across the redox interface in a Danish Weichsel till area	AWR 123 23-39
Hodges, C., Mallard, J., Markewitz, D., Barcellos, D. and Thmpson, A.	2019	Seasonal and spatial variation in the potential for iron reduction in soils of the southeastern Piedmont of the US	Catena 180 32-40
Hoyer, A., Klint, K., Fiandaca, G., Maurya, P., Christiansen, A., Balbarini, N., Bjerg, P., Hansen, T. and Moller, I.	2019	Development of a high-resolution 3D geological model for landfill leachate risk assessment	EG 249 45-59
Ji, W., Adamchuk, V., Chen, S., Su, A., Ismail, A., Gan, Q., Shi, Z. and Biswas, A.	2019	Simultaneous measurement of multiple soil properties through proximal sensor data fusion: A case study	Geoderma 341 111-128
Li, N., Arshad, M., Zhao, D., Sefton, M. and Triantafyllis, J.	2019	Determining optimal digital soil mapping components for exchangeable calcium and magnesium across a sugarcane field	Catena 181 104054
Li, N., Zhao, X., Wang, J., Sefton, M. and Triantafyllis, J.	2019	Digital soil mapping based site-specific nutrient management in a sugarcane field in Burdekin	Geoderma 340 38-48
McEntee, P., Bennett, S. and Belford, R.	2019	Mapping the spatial and temporal stability of production in mixed farming systems: An index that integrates crop and pasture productivity to assist in the management of variability	PA doi.org/10.1007/s11119-019-09658-6
Millan, S., Moral, F., Prieto, M., Perez, J. and Campillo, C.	2019	Mapping soil properties and delineating management zones based on electrical conductivity in a hedgerow olive grove	TASABE 62 (3) 749-760
Moral, F., Rebollo, F. and Serrano, J.	2019	Estimating and mapping pasture soil fertility in a Portugese <i>montado</i> based on a[n] objective model and geostatistical techniques	CEA 157 500-508
Note, N., Saey, T., Gheyle, W., Stichelbaut, B., Vand den Berghe, H., Bourgeois, J., Van Eetvelde, V. and Van Meirvenne, M.	2019	Evaluation of fluxgate magnetometry and electromagnetic induction surveys for subsurface characterization of archaeological features in World War I battlefields	Geoarchaeology 34 (2) 136-148

Pouladi, N., Moller, A., Tabatabai, S. and Greve, M.	2019	Mapping soil organic matter contents at field level with cubist, random forest and kriging	Geoderma 342 85-92
Saifuzzaman, M., Adamchuk, V., Buelvas, R., Biswas, A., Prasher, S., Rabe, N., Aspinall, D. and Ji, W.	2019	Clustering tools for integration of satellite remote sensing imagery and proximal soil sensing data	RS 11 1036-1052
Stichelbaut, B., Note, N., Bourgeois, J., Van Meirvenne, M., Van Eetvelde, V., Van den Berghe, H. and Gheyle, W.	2019	The archaeology of world war I tanks in the Ypres Salient (Belgium): A non-invasive approach	AP 26 47-56
Varvaris, I., Pittaki-Chrysodonta, Z., Moldrup, P., de Jonge, L. and Iversen, B.	2019	Combining visible-near-infrared and pedotransfer functions for parameterization of tile drain flow simulations	VZJ 18 180171
Verdonck, L., De Smedt, P. and Verhegge, J.	2019	Making sense of anomalies: Practices and challenges in the archaeological interpretation of geophysical data	Innovation in Near-Surface Geophysics, Chapter 6
Zare, M., Farooque, A., Abbas, F., Zaman, Q. and Bos, M.	2019	Trends in the variability of potato tuber yield under selected land and soil characteristics	PSE 65 (3) 111-117
Zhao, X., Wang, J., Zhao, D., Li, N., Zare, E. and Triantafylis, J.	2019	Digital regolith mapping of clay across the Ashley irrigation area using electromagnetic induction data and inversion modelling	Geoderma 346 18-29
Andersen, T., Poulsen, S., Thomsen, P. and Havas, K.	2018	Geological characterization in urban areas based on geophysical mapping: A case study from Horsens, Denmark	JAG 150 338-349
Casterad, M., Herrero, J., Betral, J. and Ritchie, G.	2018	Sensor-based assessment of soil salinity during the first years of transition from flood to sprinkler irrigation	Sensors 18 616 (18 pp.)
Conway, L., Yost, M., Kitchen, N., Sudduth, K. and Veum, K.	2018	Cropping system, landscape position, and topsoil depth affect soil fertility and nutrient buffering	SSSAJ 82 (2) 382-391
Delefortrie, S., Hanssens, D. and De Smedt, P.	2018	Low signal-to-noise FDEM in-phase data: Practical potential for magnetic susceptibility modelling	JAG 152 17-25
Dennerley, C., Huang, J., Nielson, R., Sefton, M. and Triantafylis, J.	2018	Identifying soil management zones in a sugarcane field using proximal sensed electromagnetic induction and gamma-ray spectrometry data	SUM 34 (2) 219-235
Gibson, J. and Franz, T.	2018	Spatial prediction of near surface soil water retention functions using hydrogeophysics and empirical orthogonal functions	JH 561 372-383
Koganti, T., Narjary, B., Zare, E., Pathan, A., Huang, J. and Triantafylis, J.	2018	Quantitative mapping of soil salinity using the DUALEM-21S instrument and EM inversion software	LDD 2018 1-14
Langella, G., Agrillo, A., Basile, A., De Mascellis, R., Manna, P., Moretti, P., Mileti, F., Terribile, F. and Vingiani, S.	2018	Geography of soil contamination for characterization and precision remediation of potentially contaminated sites	IJA 13 (s1) 6-15
Li, N., Zare, E., Huang, J. and Triantafylis, J.	2018	Mapping soil cation-exchange capacity using Bayesian modeling and proximal sensors at the field scale	SSSAJ 82 (5) 1203-1216
Malone, B., Hedley, C., Roudier, P., Minasny, B., Jones, E and McBratney, A.	2018	Auditing on-farm soil carbon stocks using downscales national mapping products: Examples from Australia and New Zealand	GR 13 1-14
Martinez, G., Huang, J., Vanderlinden, K., Giraldez, J. and Triantafylis, J.	2018	Potential to predict depth-specific soil-water content beneath an olive tree using electromagnetic conductivity imaging	SUM 34 (2), doi.org/10.1111/sum.12411
Muzzamal, M., Huang, J., Nielson, R., Sefton, M. and Triantafylis, J.	2018	Mapping soil particle-size fractions using additive log-ratio (ALR) and isometric log-ratio (ILR) transformations and proximally sensed ancillary	CCM 66 (1) 9-27
Note, N., Gheyle, W., Van den Berghe, H., Saey, T., Bourgeois, J., Van Eetvelde, V., Van Meirvenne, M. and	2018	A new evaluation approach to World War One's devastated front zone: A shell hole density map based on historical aerial photographs and	Geoderma 310 257-269

Quebrajo, L., Perez, M., Perez, L., Martinez, G. and Egea, G.	2018	Linking thermal imaging and soil remote sensing to enhance irrigation management of sugar beet	BE 165 77-87
Rathnayaka, R. and Balasooriya, W.	2018	Detailed mapping of soil texture of a paddy growing soil using multivariate geostatistical approaches	TAR 29(4) 300-312
Thiesson, J., Tabbagh, A., Dabas, M. and Chevalier, A.	2018	Characterization of buried cables and pipes using electromagnetic induction loop-loop frequency-domain devices	Geophysics 83(1) E1-E10
Varvaris, I., Borgesen, C., Kjaergaard, C. and Iversen, B.	2018	Three two-dimensional approaches for simulating the water flow dynamics in a heterogeneous tile-drained agricultural field in Denmark	SSSAJ 82 1367-1383
Zare, E., Beucher, A., Huang, J., Boman, A., Battback, S., Greve, M. and Triantafilis, J.	2018	Three-dimensional imaging of active acid sulfate soil using a DUALEM-21S and EM inversion software	JEM 212 99-107
Abdu, H., Robinson, D., Boettinger, J. and Jones, S.	2017	Electromagnetic induction mapping at varied soil moisture reveals field-scale soil textural patterns and gravel lenses	FASE 4(2) 135-145
Adamchuk, V., Feumont, F., Kaur, J., Whalen, J. and Adamchuk, N.	2017	Proximal sensing of soil biological activity for precision agriculture	AAB 8(2) 406-411
Borgatti, L., Forte, E., Mocnik, A., Zambrini, R., Cervi, F., Martinucci, D., Pellegrini, F., Pillon, S., Prizzon, A.	2017	Detection and characterization of animal burrows within river embankments by means of coupled remote sensing and geophysical	EG 226 277-289
Conway, L., Yost, M., Kitchen, N. and Sudduth, K.	2017	Using topsoil thickness to improve site-specific phosphorus and potassium management on claypan soil	AJ 109(5) 2291-2301
Conway, L., Yost, M., Kitchen, N., Sudduth, K., Thompson, A. and Massey, R	2017	Topsoil thickness effects on corn, soybean, and switchgrass production on claypan soils	AJ 109(3) 782-794
Dabas, M.	2017	Preventative archaeology in France and the contribution of extensive geophysics: From ARP® to web-GIS	halshs.archives-ouvertes.fr/halshs-01516135
El-Naggar, A., Hedley, C., Horne, D., Roudier, P. and Clothier, B.	2017	Using electrical conductivity imaging to estimate soil water content	Occasional Report No. 30, Fertilizer and Lime Research Centre, Massey U.
Franz, T., Loecke, T., Burgin, A., Zhou, Y., Le, T. and Moscicki, D	2017	Spatiotemporal predictions of soil properties and states in variably saturated landscapes	JRGB 122 1576-1596
Frederiksen, R., Christiansen, A., Christensen, S. and Rasmussen, K.	2017	A direct comparison of EMI data and borehole data on a 1000 ha data set	Geoderma 303 188-195
Huang, J., Kilminster, T., Barrett-Lennard, E. and Triantafilis, J.	2017	Characterization of field-scale dryland salinity with depth by quasi-3d inversion of DUALEM-1 data	SUM 33(2) 205-215
Huang, J., Koganti, T., Monteiro-Santos, F. and Triantafilis, J.	2017	Mapping soil salinity and a fresh-water intrusion in three-dimensions using a quasi-3d joint-inversion of DUALEM-421S and EM34 data	STE 577 295 404
Huang, J., McBratney, A., Minasny, B. and Triantafilis, J.	2017	Monitoring and modelling soil water dynamics using electromagnetic conductivity imaging and the ensemble Kalman filter	Geoderma 285 76-93
Huang, J., McBratney, A., Minasny, B. and Triantafilis, J.	2017	3D soil water nowcasting using electromagnetic conductivity imaging and the ensemble Kalman filter	JH 549 62-78
Huang, J., Minasny, B., Whelan, B., McBratney, A and Triantafilis, J.	2017	Temperature-dependent hysteresis effects on EM induction instruments: An example of single-frequency multi-coil array instruments	CEA 132 76-85

Huang, J., Pedrera-Parrilla, A., Vanderlinden, K., Taguas, E., Gomez, J. and Triantafilis, J.	2017	Potential to map depth-specific soil organic matter content across and olive grove using quasi-2d and quasi-3d inversion of DUALEM-21 data	Catena 152 207-217
Huang, J., Scudiero, E., Clary, W., Corwin, D. and Triantafilis, J.	2017	Time-lapse monitoring of soil water content using electromagnetic conductivity imaging	SUM 33 (2) 191-204
Klint, K., Moller, I., Maurya, P. and Christiansen	2017	Optimising geological mapping of glacial deposits using high-resolution electrommagnetic induction data	GSDGB 38 9-12
McDaniel, M., Simpson, R., Malone, B., McBratney, A., Minasny, B. and Adams, M.	2017	Quantifying and predicting spatio-temporal variability of soil CH ₄ and N ₂ O Fluxes from a seemingly homeneous Australian agricultural field	AEE 240 182-193
Pedrera-Parrilla, A., Pachepsky, Y., Taguas, E., Martos, S., Giráldez, J. and Vanderlinden, K.	2017	Concurrent temporal stability of the apparent electrical conductivity and soil water content	JH 544 319-326
Rezaei, M., De Pue, J., Seuntjens, P., Joris, I. and Cornelis, W.	2017	Quasi 3D modelling of vadose zone soil-water flow for optimizing irrigation strategies: Challenges, uncertainties and efficiencys	EMS 93 59-77
Samson, C., Mah, J., Haltigin, T., Holladay, S., Ralchenko, M., Pollard, W. and Monteiro-Santos, F.	2017	Combined electromagnetic geophysical mapping at Arctic perennial saline springs: Possible applications for the detection of water in the shallow subsurface of Mars	ASR 59 (9) 2325-2334
Serrano, J., Shahidian, S. and da Silva, J.	2017	Spatial variability and temporal stability of apparent soil electrical conductivity in a Mediterranean pasture	PA 18 (2) 245-263
Serrano, J., Shahidian, S., da Silva, J. and Moral, F.	2017	Proximal sensing for monitoring the productivity of a permanent Mediterranean pasture: Influence of rainfall patterns	AAB 8 (2) 796-801
Stichelbaut, B., Note, N., Saey, T., Hanssens, D., Van Den Berghe, H., Bourgeois, J., Van Meirvenne, M., Van Stockmann, U., Huang, J., Minasny, B. and Triantafilis, J.	2017	Non-invasive research od tunneling heritage in the Ypres Salient (1914-1918) - research of the Tor Top tunnel system	JCH 26 109-117
Taguas, E., Vanderlinden, K., Pedrera-Parrilla, A., Giraldez, J. and Gomez, J.	2017	Utilizing a DUALEM-421 and inversion modelling to map baseline soil salinity along toposequences in the Hunter Valley Wine district	SUM 33 (3) 413-424
Taguas, E., Vanderlinden, K., Pedrera-Parrilla, A., Giraldez, J. and Gomez, J.	2017	Spatial and temporal variability of spontaneous grass cover and its influence on sediment losses in an extensive olive orchard catchment	Catena 157 58-66
Trachet, J., Delefortrie, S., Van Miervenne, M., Hillewaert, B. and De Clercq, W.	2017	Reassessing surface artefact scatters. The integration of artefact-accurate fieldwalking with geophysical data at medieval harbor sites near Bruges (Belgium)	AP 24 101-117
Trachet, J., Poulain, M., Delefortrie, S., Van Meirvenne, M. and De Clercq, W.	2017	Making a mountain out of a molehill? A low-cost and time-efficient molehill survey of the lost medieval harbor site of Monniderede, Belgium	JFA 42 (6) doi.org/10.1080/00934690.2017.1383106
Verhegge, J., Saey, T., Van Meirvenne, M., Missiaen, T. and Crombé, P.	2017	Reconstructing Early Neolithic paleogeography: EMI-based subsurface modeling and chronological modeling of Holocene peat below the Lower Scheldt floodplain in NW Belgium	Geoarchaeology 32 (2) 159-176
Vories, E., Stevens, W., Rhine, M. and Straatmann, Z.	2017	Investigating irrigation scheduling for rice using variable rate irrigation	AWM 179 (1) 314-323
Whatoff, D., Mouazen, A. and Waine, T.	2017	A multi sensor data fusion approach for creating variable depth tillage zones	AAB 8 (2) 461-465
Yost, M., Kitchen, N., Sudduth, K., Sadler, E. and Drummond, S.	2017	Long-term impact of a precision agriculture system on grain crop production	PA 18 (5) 823-842

Yost, M., Kitchen, N., Sudduth, K., Thompson, A., and Allphin, E.	2017	Topsoil thickness and harvest management influence switchgrass production and profitability	AJ 109 (3) 985-994
Yost, M., Kitchen, N., Sudduth, K., Thompson, A., and Allphin, E.	2017	Topsoil thickness influences nitrogen management of switchgrass	BR 10 (2) 465-477
Atwell, M., Wuddivira, M. and Gobin, J.	2016	Abiotic water quality control on mangrove distribution in estuarine river channels assessed by a novel boat-mounted electromagnetic-induction technique	Water SA 42 (3) 399-407
Barrett-Lennard, E., Anderson, G., Holmes, K. and Sinnott, A.	2016	High soil sodicity and alkalinity cause transient salinity in south-western Australia	SR 54 (4) 407-417
Benech, C., Dabas, M., Simon, F., Tabbagh, A. and Thiesson, J.	2016	Interpretation of shallow electromagnetic instruments resistivity and magnetic susceptibility measurements using rapid 1D/3D inversion	Geophysics 81 (2) E103-E112
Christiansen, A., Petersen, J., Auken, E., S�e, N., Holst, M. and Kristiansen, S.	2016	Improved geoarchaeological mapping with electromagnetic induction instruments from dedicated processing and inversion	RS 8 (12) 1022 (15 pp.)
Dabas, M., Anest, A., Thiesson, J. and Tabbagh, A.	2016	Slingram EMI devices for characterizing resistive features using apparent conductivity measurements: Check of the DUALEM-421S instrument and	AP 23 165-180
De Smedt, P., Delefortrie, S. and Wyffels, F.	2016	Identifying and removing micro-drift in ground-based electromagnetic induction data	JAG 131 14-22
Felici, C., Campana, S., Nicolia, V., Spera, L., Catanzariti, G., Morelli, G., Pericci, F. and Saito, K.	2016	<i>Il comprensorio della catacomba di San Callisto tra la via Appia e la via Ardeatina (Roma) alla luce delle indagini geofisiche estensive</i>	AC 27 227-249
Gheyle, W., Saey, T., Van Hollebeeke, Y., Verplaetse, S., Note, N., Bourgeois, J., Van Meirvenne, M., Van Guillemoteau, J., Simon, F., Luck, E and Tronicke, J.	2016	Historical aerial photography and multi-receiver EMI soil sensing, complementing techniques for the study of a Great War conflict landscape	AP 23 149-164
Guillemoteau, J., Simon, F., Luck, E and Tronicke, J.	2016	1D sequential inversion of portable multi-configuration electromagnetic induction data	NSG 14 (5) 423-432
Huang, J., Monteiro-Santos, F. and Triantafilis, J.	2016	Mapping soil water dynamics and a moving wetting front by spatiotemporal inversion of electromagnetic induction data	WRR 52 9131-9145
Huang, J., Scudiero, E., Bagtang, M., Corwin, D. and Triantafilis, J.	2016	Monitoring scale-specific and temporal variation in electromagnetic conductivity images	IS 34 187-200
Huang, J., Scudiero, E., Choo, H., Corwin, D. and Triantafilis, J.	2016	Mapping soil moisture across an irrigated field using electromagnetic conductivity imaging	AWM 163 285-294
Jang, H., Minsany, B., Stockmann, U. and Malone, B.	2016	Spatial pedological mapping using a portable x-ray fluorescence spectrometer at the Tallavera Grove vineyard, Hunter Valley	KJSSF 49 (6) 635-643
Ji, W., Adamchuk, V., Biswas, A., Dhawale, N., Sudarsan, B., Zhang, Y., Viscarra, R. and Shi, Z.	2016	Assessment of soil properties <i>in situ</i> using a prototype portable MIR spectrometer in two agricultural fields	BE 152 14-27
Khan, F., Zaman, Q., Chang, Y., Farooque, A., Schumann, A. and Madani, A.	2016	Estimation of the rootzone depth above a gravel layer (in wild blueberry fields) using electromagnetic induction method	PA 17 155-167
Pedreira-Parrilla, A., Brevik, E., Gir�ldez, J. and	2016	Temporal stability of electrical conductivity in a sandy soil	IA 30 349-357
Pedreira-Parrilla, A., Van De Vijver, E., Van Meirvenne, M., Espejo-P�rez, A., Gir�ldez, J. and Vanderlinden, K.	2016	Apparent electrical conductivity measurements in an olive orchard under wet and dry soil conditions: Significance for clay and soil water content	PA 17 531-545
Randall, B., Yost, M., Kitchen, N., Heaton, E., Stelzer, H. and Thompson, A.	2016	Impact of rhizome quality on Miscanthus establishment in claypan soil landscapes	ICP 85 331-340

Rathnayaka, R. and Vitharana, W.	2016	Exploring the short-scale spatial variability of calcic red latosol soil using DUALEM-1S proximity soil sensor	TAR 27 (3) 241-252
Rezaei, M., Saey, T., Seuntjens, P., Ingeborg, J., Boënne, W., Van Meirvenne, M. and Cornelis, W.	2016	Predicting saturated hydraulic conductivity in a sandy grassland using proximally sensed apparent electrical conductivity	JAG 126 35-41
Rezaei, M., Seuntjens, P., Joris, I., Boënne, W., Van Hoey, S., Campling, P. and Cornelis, W.	2016	Sensitivity of water stress in a two-layered sandy grassland soil to variations in groundwater depth and soil hydraulic parameters	HESS 20 487-503
Saey, T., Gheyle, W., Stichelbaut, B., Bourgeois, J., Verplaetse, S., Van Eetvelde, V., Note, N. and Van Meirvenne, M.	2016	The characterization of a former World War I battlefield by integrating multiple signals from a multireceiver EMI soil sensor	Geoarchaeology 31 267-281
Saey, T., Note, N., Gheyle, W., Stichelbaut, B., Bourgeois, J., Van Eetvelde, V. and Van Meirvenne, M.	2016	EMI as a non-invasive survey technique to account for the interaction between WW I relicts and the soil environment at the Western Front	Geoderma 265 39-52
Saey, T., Verhegge, J., De Smedt, P., Smetyns, M., Note, N., Van De Vijver, E., Laloo, P., Van Meirvenne, M. and Delefortrie, S.	2016	Integrating cone penetration testing into the 1D inversion of multi-receiver EMI data to reconstruct a complex straiographic landscape	Catena 141 356-371
Sorensen, C., Broge, N., Molgaard, M., Schow, C., Thomsen, P., Vognsen, K. and Knudsen, P.	2016	Assessing future flood hazards for adaptation planning in a northern European costal community	FMS 3 article 69 doi:10.3389/fmars.2016.00069
Zaibon, S., Anderson, S., Kitchen, N. and Haruna, S.	2016	Hydraulic properties affected by topsoil thickness in switchgrass and corn-soybean cropping systems	SSSAJ 80 (5) 1365-1376
Zare, E., Huang, J. and Triantafilis, J.	2016	Identifying soil landscape units at the district scale by numerically clustering remote and proximal sensed data	CEA 127 510-520
Assouline, S., Russo, D., Silber, A. and Or, D.	2015	Balancing water scarcity and quality for sustainable irrigated agriculture	WRR 51 3419-3436
Bockhorn, B., Möller, I., Klint, K. and Jensen, M.	2015	Geoelectrical mapping for improved performance of SUDS in clay tills	EES 74 (6) 5263-5273
Campbell, H., Morris, L. and Markewitz, D.	2015	Combining electromagnetic induction and resistivity imaging with soil sampling to investigate past soil disturbance at Wormsloe State Historic	SH doi:10.2136/sh15-07-0015
Davies, G., Huang, J., Monteiro-Santos, F. and Triantafilis, J.	2015	Modeling coastal salinity in quasi 2D and 3D using a DUALEM-421 and inversion software	Groundwater 53 (3) 424-431
De Caires, S., Wuddivira, M. and Bekele, I.	2015	Spatial analysis for management zone delineation in a humid tropic cocoa	PA 16 129-147
Huang, J., Barrett-Lennard, E., Kilminster, T., Sinnott, A. and Triantafilis, J.	2015	An error budget for mapping field-scale soil salinity at various depths using different sources of ancillary data	SSSAJ 79 1717-1726
Rudolph, S., van der Kruk, J., von Hebel, C., Ali, M., Herbst, M., Montzka, C., Pätzold, S., Robinson, D., Vereecken, H. and Weihermüller, L.	2015	Linking satellite derived LAI patterns with subsoil heterogeneity using large-scale ground-based electromagnentic induction measurements	Geoderma 241-242 262-271
Saey, T., De Smedt, P., Selefortrie, S., Van De Vijver, E. and Van Meirvenne, M.	2015	Comparing one- and two-dimensional EMI conductivity inverse modeling procedures for characterizing a two-layered soil	Geoderma 241-242 12-23
Saey, T., Van Miervenne, M., De Smedt, P., Stichelbaut, B., Delefortrie, S., Baldwin, E. and Gaffney, V.	2015	Combining EMI and GPR for non-invasive soil sensing at Stonehenge World Heritage Site: The reconstruction of a WWI practice trench	EJSS 66 166-178
Van De Vijver, E., Van Meirvenne, M., Saey, T., Delefortrie, S., De Smedt, P., De Pue, J. and Seuntjens, P.	2015	Combining multi-receiver electromagnetic induction and stepped frequency ground penetrating radar for industrial site investigation	EJSS 66 688-698

Van De Vijver, E., Van Meirvenne, M., Vandenhoute, L., Delefortrie, S., De Smedt, P., Saey, T. and Seuntjens, P.	2015	Urban soil exploration through multi-receiver electromagnetic induction and stepped-frequency ground penetrating radar	ESPI 17 1271-1281
Van Meirvenne, M.	2015	Advanced electric and electromagnetic methods for the characterization of soil	doi:10.1007/978-3-319-04813-0 14
Wahl, N., Greve, M. and Iversen, B., eds.	2015	Sandjordes følsomhed over for udvaskning af sprøjtemidler	ISBN: 978-87-7091-607-3
Woodbury, B., Eigenberg, R. and Franz, T.	2015	Resistivity arrays as an early warning system for monitoring runoff holding ponds	JEEG 20 (4) 319-335
Zare, E., Huang, J., Monteiro-Santos, F. and Triantafilis, J.	2015	Mapping salinity in three dimensions using a DUALEM-421 and electromagnentic inversion software	SSSAJ 79 1729-1740
Baas, P., Mohan, J., Markewitz, D. and Knoepp, J.	2014	Assessing heterogeneity in soil nitrogen cycling: A plot-scale approach	SSSAJ 78 (S1) S237-S247
De Caires, S., Wuddivira, M. and Bekele, I.	2014	Assessing the temporal stability of spatial patterns of soil apparent electrical conductivity using geophysical methods	IA 28 423-433
De Smedt, P., Saey, T., Meerschman, E., De Reu, J., De Clercq, W. and Van Meirvenne, M.	2014	Comparing apparent magnetic susceptibility measurements of a multi-receiver EMI with topsoil and profile magnetic susceptibility data over	AP 21 103-112
De Smedt, P., Van Meirvenne, M., Saey, T., Baldwin, E., Gaffney, C. and Gaffney, V.	2014	Unveiling the prehistoric landscape at Stonehenge through multi-receiver EMI	JAS 50 16-23
Delefortrie, S., De Smedt, P., Saey, T., Van De Vijver, E. and Van Meirvenne, M.	2014	An efficient calibration procedure for correction of drift in EMI survey data	JAG 100 115-125
Delefortrie, S., Saey, T., Van De Vijver, E., De Smedt, P., Missaien, T., Demerre, I. and Van Meirvenne, M.	2014	Frequency domain electromagnetic induction survey in the intertidal zone: Limitations of low-induction-number and depth of exploration	JAG 100 14-22
Delsman, J., Waterloo, M., Groen, M., Groen, J. and Stuyfzand, P.	2014	Investigating summer flow paths in a Dutch agricultural field using high frequency direct measurements	JH 519 3069-3085
Goff, A., Juang, J., Wong, V., Monteiro-Santos, F., Wege, R. and Triantafilis, J.	2014	Electromagnetic conductivity imaging of soil salinity in an estuarine-alluvial landscape	SSSAJ 78 1686-1693
Huang, J., Davies, G., Bowd, D., Monteiro-Santos, F. and Triantafilis, J.	2014	Spatial prediction of the exchangeable sodium percentage at multiple depths using electromagnetic inversion modelling	SUM 30 241-250
Huang, J., Lark, R., Robinson, D., Lebron, I., Keith, A., Rawlins, B., Tye, A., Kuras, O., Raines, M. and Lv, L., Franz, T., Robinson, D. and Jones, S.	2014	Scope to predict soil properties at within-field scale from small samples using proximally sensed γ -ray spectrometer and EM induction data	Geoderma 232-234 69-80
	2014	Measured and modeled soil moisture compared with cosmic-ray neutron probe estimates in a mixed forest	VZJ doi:10.2136/vzj2014.06.0777
Mouazen, A., Alhwaimel, S., Kuang, B. and Waine, T.	2014	Multiple on-line soil sensors and data fusion approach for delineation of water holding capacity zones for site specific irrigation	STR 143 95-105
Neubauer, W., Gugl, C., Scholz, M., Verhoeven, G., Trinks, I., Löcker, K., Doneus, M., Saey, T. and Van Meirvenne, M.	2014	The discovery of the school of gladiators at Carnuntum, Austria	Antiquity 88 173-190
Pan, L., Adamchuk, V., Prasher, S., Gebbers, R., Taylor, R. and Dabas, M.	2014	Vertical soil profiling using a galvanic contact resistivity scanning approach	Sensors 14 13243-13255
Pedrerá-Parrilla, A., Martínez, G., Espejo, A., Gómez, J., Giráldez, J. and Vanderlinden, K.	2014	Mapping impaired olive tree development using electromagnetic induction surveys	PS 384 381-400

Saey, T., Delefortrie, S., Verdonck, L., De Smedt, P. and Van Meirvenne, M.	2014	Integrating EMI and GPR data to enhance the three-dimensional reconstruction of a circular ditch system	JAG 101 42-50
Serrano, J., Peça, J., da Silva, J. and Shahidian, S.	2014	Evaluation of technologies for differential fertilizer application: New concepts in permanent pastures management (in Portugese)	RCA 37(3) 253-269
Serrano, J., Shahidian, S. and da Silva, J.	2014	Spatial and temporal patterns of apparent electrical conductivity: DUALEM vs. Veris sensors for monitoring soil properties	Sensors 14 10024-10041
Van Meirvenne, M., Van De Vijver, E., Vandenhoute, L. and Seuntjens, P.	2014	Investigating soil pollution with the aid of EMI and GPR measurements	GPR2014 1006-1009
Yang, J. and Joshi, S	2014	Hydro-geophysical investigation of contaminant distribution at a closed landfill in southwestern Ontario, Canada	JGEP 2 8-15
Atwell, M., Wuddivira, M., Gobin, J. and Robinson, D.	2013	Edaphic controls on sedge invasion in a tropical wetland assessed with electromagnetic induction	SSSAJ 77 1865-1874
Boivin, A., Lai, P., Samson, C., Cloutis, E., Holladay, S. and Monteiro-Santos, F.	2013	Electromagnetic induction sounding and 3D laser imaging in support of a Mars methane analogue mission	PSS 82-83 27-33
De Smedt, P., Saey, T., Lehouck, A., Stichelbaut, B., Meerschman, E., Islam, M., Van De Vijver, E. and Van	2013	Exploring the potential of multi-receiver EMI survey for geoarchaeological prospection: A 90 ha dataset	Geoderma 199 30-36
De Smedt, P., Van Meirvenne, M., Davies, N., Bats, M., Saey, T., De Reu, J., Meerschman, E., Gelorini, V.,	2013	A multidisciplinary approach to reconstructing late Glacial and early Holocene landscapes	JAS 40 1260-1267
De Smedt, P., Van Meirvenne, M., Herremans, D., De Reu, J., Saey, T., Meerschman, E., Crombé, P. and De Clercq, W.	2013	The 3-D reconstruction of medieval wetland reclamation through electromagnetic induction survey	ScR 3 doi:10.1038/srep01517
Griffin, S. and Hollis, J.	2013	Using profile soil electrical conductivity survey data to predict wheat establishment rates in the United Kingdom	PA'13 doi:10-3920/978-90-8686-778-3 60
Halcro, G., Corstanje, R. and Mouazen, A.	2013	Site-specific land management of cereal crops based on management zone delineation by proximal soil sensing	PA'13 doi:10-3920/978-90-8686-778-3 58
Minasny, B., Whelan, B., Triantafilis, J. and McBratney, A.	2013	Pedometrics research in the vadose zone - review and perspectives	VZJ doi:10.2136/vzj2012.0141
Mouazen, A.	2013	Fusion of data from multiple soil sensors for the delineation of water holding capacity zones	PA'13 doi:10-3920/978-90-8686-778-3 92
Nearing, G., Tuller, M., Jones, S., Heinse, R. and Meding, M.	2013	Electromagnetic induction for mapping textural contrasts of mine tailing deposits	JAG 89 11-20
Saey, T., De Smedt, P., De Clercq, W., Meerschman, E., Islam, M.M. and Van Meirvenne, M.	2013	Identifying soil patterns at different scales with a multi-receiver EMI sensor	SSSAJ 77 382-390
Saey, T., Stichelbaut, B., Bourgois, J., Van Eetvelde, V. and Van Meirvenne, M.	2013	An interdisciplinary non-invasive approach to landscape archaeology of the Great War	AP 20 39-44
Saey, T., Van Meirvenne, M., De Smedt, P., Neubauer, W., Trinks, I., Verhoeven, G. and Seren, S.	2013	Integrating multi-receiver electromagnetic induction measurements into the interpretation of the soil landscape around the school of gladiators at Carnuntum	EJSS 64 716-727
Serrano, J., Shahidian, S. and da Silva, J.	2013	Small scale soil variation and its effect on pasture yield in southern Portugal	Geoderma 195-196 173-183
Serrano, J., Shahidian, S. and da Silva, J.	2013	Apparent electrical conductivity in dry versus wet soil conditions in a shallow soil	PA 14 99-114

Serrano, J., Shahidian, S. and da Silva, J.	2013	Comparing the DUALEM and VERIS sensors for mapping soil properties	PA'13 doi:10.3920/978-90-8686-778-3 1
Sudduth, K., Myers, D., Kitchen, N. and Drummond, S.	2013	Modeling soil electrical conductivity-depth relationships with data from proximal and penetrating EC _a sensors	Geoderma 199 12-21
Zhu, Q., Lin, H. and Doolittle, J.	2013	Functional soil mapping for site-specific soil moisture and crop yield management	Geoderma 199 45-54
Bréchet, L., Oatham, M., Wuddivira, M. and Robinson, D.	2012	Determining spatial variation in soil properties in teak and native tropical forest plots using electromagnetic induction	VZJ doi:10.2136/vzj2011.0102
Eigenberg, R., Woodbury, B., Auvermann, B., Parker, D. and Spiehs, M.	2012	Energy and nutrient recovery from cattle feedlots	ISRNRE 2012 723829 (5 pp.)
García, I., Raphael Abrahao and Jesús Causapé	2012	Irrigation - Water Management, Pollution and Alternative Strategies: Watershed monitoring for the assessment of irrigation water use and irrigation contamination	ISBN: 978-953-51-0421-6
King, E., Franz, T. and Caylor, K.	2012	Ecohydrological interactions in a degraded two-phase mosaic dryland: implications for regime shifts, resilience and restoration	Ecohydrology 5 733-745
Robinson, D., Abdu, H., Lebron, I. and Jones, S.	2012	Imaging of hill-slope moisture wetting patterns in a semi-arid oak savanna catchment using time-lapse electromagnetic induction	JH 416-417 39-49
Saey, T., De Smedt, P., Islam, M., Meerschman, E., Van De Vijver, E., Lehouck, A. and Van Meirvenne, M.	2012	Depth slicing of multi-receiver EMI measurements to enhance the delineation of contrasting subsoil features	Geoderma 189-190 514-521
Saey, T., De Smedt, P., Meerschman, E., Islam, M., Meeuws, F., Van De Vijver, E., Lehouck, A. and Van Meirvenne, M.	2012	Electrical conductivity depth modelling with a multireceiver EMI sensor for prospecting archaeological features	AP 19 21-30
Saey, T., Islam, M., De Smedt, P., Meerschman, E., Van De Vijver, E., Lehouck, A. and Van Meirvenne, M.	2012	Using a multi-receiver survey of apparent electrical conductivity to reconstruct a Holocene tidal channel in a polder area	Catena 95 104-111
Triantafylis, J., Wong, V., Monteiro-Santos, F., Page, D. and Wege, R.	2012	Modeling the electrical conductivity of hydrogeological strata using joint-inversion of loop-loop electromagnetic data	Geophysics 77 WB99-WB107
Urdanoz, V. and Aragüés, R.	2012	Comparison of Geonics EM38 and DUALEM-1S electromagnetic induction sensors for the measurement of salinity and other soil properties	SUM 28 108-112
Aragüés, R., Urdanoz, V., Çetin, M., Kirda, C., Daghari, H., Lfifi, W., Lahlou, M. and Douaik, A.	2011	Soil salinity related to physical soil characteristics and irrigation management in four Mediterranean irrigation districts	AWM 98 959-966
Beamish, D.	2011	Low induction number ground conductivity meters: A correction procedure	JAG 75 244-253 (errata p. 752)
De Clercq, W., De Smedt, P., De Reu, J., Herremans, D., Masters, P., Saey, T., Stichelbaut, B. and Van Meirvenne, M.	2011	Towards an integrated methodology for assessing rural settlement landscapes in the Belgian lowlands	AP doi: 10.1002/arp.1418
De Smedt, P., Van Meirvenne, M., Meerschman, E., Saey, T., Bats, M., Picon, M., De Reu, J., Zwertvaegher, A., Antrop, M., Bourgeois, J., De Maeyer, P., Finke, P., Verniers, J. and Crombé, P.	2011	Reconstructing paleochannel morphology with a mobile electromagnetic induction sensor	Geomorphology 130 136-141

Franz, T., King, E., Caylor, K. and Robinson, D.	2011	Coupling vegetation organization patterns to soil resource heterogeneity in a central Kenyan dryland using geophysical imagery	WRR 47 W007531 (18 pp.)
Mann, K., Schumann, A. and Obreza, T.	2011	Delineating productivity zones in a citrus grove using citrus production, tree growth and temporally stable soil data	PA 12 457-472
Monteira-Santos, F., Triantafyllis, J. and Burzgulis, K.E.	2011	A spatially constrained 1D inversion algorithm for quasi-3D conductivity imaging: Application to DUALEM-421 data collected in a riverine plain	Geophysics 76 (2) B43-B53
Saey, T., Van Meirvenne, M., De Smedt, P., Cockx, L., Meerschman, E., Islam, M and Meeuws, F.	2011	Mapping depth-to-clay using fitted multiple depth response curves of a proximal EMI sensor	Geoderma 162 151-158
Triantafyllis, J., Roe, J. and Monteiro-Santos, F.	2011	Detecting a leachate plume in an aeolian sand landscape using a DUALEM-421 induction probe to measure electrical conductivity	SUM 27 357-366
Urdanoz, V. and Aragüés, R.	2011	Pre- and post-irrigation mapping of soil salinity with electromagnetic induction techniques and relationships with drainage water salinity	SSSAJ 75 (1) 207-215
Woodbury, B., Eigenberg, R., Varel, V., Lesch, S. and Spiehs, M.	2011	Using electromagnetic induction technology to predict volatile fatty acid, source area differences	JEQ 40 1416-1422
Eigenberg, R., Woodbury, B., Nienaber, J., Spiehs, M., Parker, D. and Varel, V.	2010	Conductivity and multiple linear regression for precision monitoring of beef feedlot manure and runoff	JEEG 15 (3) 175-184
López, R., Casterad, M. and Herrero, J.	2010	Site-specific management units in a commercial maize plot delineated using very high resolution remote sensing and soil properties mapping	CEA 73 219-229
Moffett, S., Robinson, D. and Gorelick, S.	2010	Relationship of salt marsh vegetation zonation to spatial patterns in soil moisture, salinity and topography	Ecosystems 13 1287-1302
Monteira-Santos, F., Triantafyllis, J., Taylor, R., Holladay, S. and Burzgulis, K.	2010	Inversion of conductivity profiles from EM using full-solution and a 1-D laterally constrained algorithm	JEEG 15 (3) 163-174
Monteira-Santos, F., Triantafyllis, J., Taylor, R., Holladay, S. and Burzgulis, K.	2010	Inversion of multiconfiguration electromagnetic (DUALEM-421) profiling data using a one-dimensional laterally constrained algorithm	VZJ 9 117-125
Robinson, D., Lebron, I. and Querejeta, J.	2010	Determining soil-tree-grass relationships in a California oak savanna using eco-geophysics	VZJ 9 528-536
Serrano, J., Peça, J., da Silva, J. and Shahidian, S.	2010	Mapping soil and pasture variability with an electromagnetic induction sensor	CEA 73 7-16
Simpson, D., Van Meirvenne, M., Lück, E., Bourgeois, J. and Rühlmann, J.	2010	Prospection of two circular Bronze Age ditches with multi-receiver electrical conductivity sensors (North Belgium)	JAS 37 2198-2306
Simpson, D., Van Meirvenne, M., Lück, E., Rühlmann, J., Saey, T. and Bourgeois, J.	2010	Sensitivity of multi-coil frequency domain electromagnetic induction sensors to map soil magnetic susceptibility	EJSS 61 469-478
Singleton, A., Osinski, G., Samson, C., Williamson, M. and Holladay, S.	2010	Electromagnetic characterization of polar ice-wedge polygons: Implications for periglacial studies on Mars and Earth	PSS 58 472-81
Sudduth, K., Kitchen, N., Myers, D. and Drummond, S.	2010	Mapping depth to argillic soil horizons using apparent electrical conductivity	JEEG 15 (3) 135-146
Woodbury, B., Eigenberg, R., Nienaber, J. and Spiehs, M.	2010	Soil-crop dynamic depth response determined from TDR of a corn silage field compared to EMI measurements	JEEG 15 (3) 185-196
Zhu, Q., Lin, H. and Doolittle, J.	2010	Repeated electromagnetic induction surveys for determining subsurface hydrologic dynamics in an agricultural landscape	SSSAJ 74 (5) 1750-1762

Zhu, Q., Lin, H. and Doolittle, J.	2010	Repeated electromagnetic induction surveys for improved soil mapping in an agricultural landscape	SSSAJ 74 (5) 1763-1774
Bats, M., De Reu, J., De Smedt, P., Antrop, M., Jiang, P., He, Z., Kitchen, N. and Sudduth, K.	2009	Geoarchaeological research of the large palaeolake of the Moervaart from Bayesian analysis of within-field variability of corn yield using a spatial hierarchical model	NP 29 105-112 PA 10 111-127
Robinson, D., Lebron, I., Kocar, B., Phan, K., Sampson, M., Crook, N. and Fendorf, S.	2009	Time-lapse geophysical imaging of soil moisture dynamics in tropical deltaic soils: An aid to interpreting hydrological and geochemical processes	WRR 45 W00D32 (12 pp.)
Saey, T., Simpson, D., Vermeersch, H., Cockx, L. and Van Meirvenne, M.	2009	Comparing the EM38DD and DUALEM-21S sensors for depth-to-clay mapping	SSSAJ 73 (1) 7-12
Simpson, D., Van Meirvenne, M., Lück, E., Rühlmann, J. and Bourgeois, J.	2009	Testing of multi-coil FDEM sensors on a field model with magnetic susceptibility contrast	AS 33 (suppl.) 357-359
Simpson, D., Van Meirvenne, M., Saey, T., Vermeersch, H., Bourgeois, J., Lehouck, A., Cockx, L., and Vitharana, U.	2009	Evaluating the multiple coil configurations of the EM38DD and DUALEM-21S sensors to detect archaeological anomalies	AP 16 91-102
Woodbury, B., Lesch, S., Eigenberg, R., Miller, D. and Spiehs, M.	2009	Electromagnetic induction sensor data to identify areas of manure accumulation on a feedlot surface	SSSAJ 73 (6) 2068-2077
Abdu, H., Robinson, D., Seyfried, M., and Jones, S.	2008	Geophysical imaging of watershed subsurface patterns and prediction of soil texture and water holding capacity	WRR 44 W00D18 (10 pp.)
Eigenberg, R., Lesch, S., Woodbury, B. and Nienaber, J.	2008	Geospatial methods for monitoring a vegetative treatment area receiving beef feedlot runoff	JEQ 37 S-68-S-77
Gilley, J., Berry, E., Eigenberg, R., Marx, D. and Woodbury, B.	2008	Spatial variations in nutrient and microbial transport from feedlot surfaces	TASABE 51 (2) 675-684
Papanicolaou, A., Elhakeem, M., Wilson, C., Burras, C. and Oneal, B.	2008	Observations of soils at the hillslope scale in the Clear Creek watershed in Iowa, USA	SSH 49 83-86
Robinson, D., Abdu, H., Jones, S., Seyfried, M., Lebron, I. and Knight, R.	2008	Eco-geophysical imaging of watershed-scale soil patterns links with plant community spatial patterns	VZJ 7 (4) 1132-1138
Urdanoz, V., Anezkata, E., Claveria, I., Ochoa, V. and Aragüés, R.	2008	Mobile and georeferenced electromagnetic sensors and applications for salinity assessment	SJAR 6 (3) 469-478
Abdu, H., Robinson, D. and Jones, S.	2007	Comparing bulk soil electrical conductivity determination using the DUALEM-1S and EM38-DD electromagnetic induction instruments	SSSAJ 71 189-196
Jiang, P., Anderson, S., Kitchen, N., Sudduth, K. and Sadler, E.	2007	Estimating plant-available water capacity for claypan landscapes using apparent electrical conductivity	SSSAJ 71 1909-1908
Eigenberg, R., Nienaber, J., Woodbury, B. and Ferguson, R.	2006	Soil conductivity as a measure of soil and crop status – A four-year summary	SSSAJ 70 1600-1611
Lee, B., Jenkinson, B., Doolittle, J., Taylor, R. and Tuttle, W.	2006	Electrical conductivity of a failed septic system soil absorption field	VZJ 5 757-763
Allred, B., Redman, D., McCoy, E. and Taylor, R.	2005	Golf course applications of near-surface geophysical methods: A case study	JEEG 10 (1) 1-19
Reid, J., Worby, A., Vrbancich, J. and Munro, A.	2003	Shipborne electromagnetic measurements of Antarctic sea-ice thickness	Geophysics 68 (5) 1537-1546
Howell, M.	1966	A soil conductivity meter	Archaeometry 9 3-19

Wait, J.	1962	A note on the electromagnetic response of a stratified earth	Geophysics 27 382-385
Wait, J.	1955	Mutual electromagnetic coupling of loops over a homogeneous ground	Geophysics 20 630-637

Abbreviation	Journal
AAB	Advances in Animal Biosciences
AC	<i>Archeologia e Calcolatori</i>
AEE	Agriculture, Ecosystems & Environment
AJ	Agronomy Journal
AP	Archaeological Prospection
AS	ArchaéoSciences
ASR	Advances in Space Research
AWM	Agricultural Water Management
AWR	Advances in Water Resources
BE	Biosystems Engineering
BR	BioEnergy Research
CCM	Clays and Clay Minerals
CEA	Computers and Electronics in Agriculture
EG	Engineering Geology
EJSS	European Journal of Soil Science
EMS	Environmental Modelling & Software
ESPI	Environmental Science Processes & Impacts
FASE	Frontiers of Agricultural Science and Engineering
FMS	Frontiers in Marine Science
GR	Geoderma Regional
HESS	Hydrology and Earth System Sciences
IA	International Agrophysics
ICP	Industrial Crops and Products
IS	Irrigation Science
ISRNRE	ISRN Renewable Energy
JAG	Journal of Applied Geophysics
JAR	Journal of Agricultural Research
JAS	Journal of Archaeological Science
JCH	Journal of Cultural Heritage
JEEG	Journal of Environmental and Engineering Geophysics
JEM	Journal of Environmental Management
JEQ	Journal of Environmental Quality
JFA	Journal of Field Archaeology
JH	Journal of Hydrology
JGEP	Journal of Geoscience and Environment Protection
JGRB	Journal of Geophysical Research: Biogeosciences
KJSSF	Korean Journal of Soil Science and Fertilizer
LDD	Land Degradation and Development
NP	<i>Notae Praehistoricae</i>
NSG	Near Surface Geophysics
PA	Precision Agriculture
PS	Plant Soil
PSE	Plant, Soil and Environment
PSS	Planetary and Space Science
RCA	<i>Revista de Ciências Agrárias</i>
RS	Remote Sensing
SH	Soil Horizons
SJAR	Spanish Journal of Agricultural Research
ScR	Scientific Reports
SNAS	SN Applied Sciences
SR	Soil Research

SSH	Soil Survey Horizons
SSSAJ	Soil Science Society of America Journal
STE	Science of the Total Environment
STR	Soil & Tillage Research
SUM	Soil Use and Management
TAR	Tropical Agricultural Research
TASABE	Transactions of the ASABE
VZJ	Vadose Zone Journal
WRR	Water Resources Research