

Article on ISI journals

Guglielmin M., **Bonasera M.***, Fubelli G., Tellini C., Dramis F. (2022) – *Permafrost-based geomorphology of the Mt. Foscagno - Mt. Forcellina ridge (Adda – Inn River basins, Central Italian Alps)*. Journal of Maps, 18(2), pp. 441-447.

<https://doi.org/10.1080/17445647.2022.2082331>

Bonasera M., Cerrone C.*, Caso F., Lanza S., Fubelli G., Randazzo G. (2022) – *Geomorphological and Structural Assessment of the Coastal Area of Capo Faro Promontory, NE Salina (Aeolian Islands, Italy)*. Land, 11(7), 1106. <https://doi.org/10.3390/land11071106>

Taboni B.*, Licata M., Buleo Tebar V., **Bonasera M.**, Umili G. (2022) – *Proposal for Flood Risk Mitigation in the Upper Tanaro Valley (Western Alps - North-Western Italy)*. Geosciences, 12(7), 260. <https://doi.org/10.3390/geosciences12070260>

Bonasera M.*, Fubelli G., Comina C., Bosco F., Umili G., Zorloni L., Francesco P. (2022) – *A multidisciplinary approach to detect the seismogenic source of the Tortona 1828 earthquake (Piedmont, Northwest Italy)*. Italian Journal of Geosciences, 141(1), pp. 69-83.

<https://doi.org/10.3301/IJG.2022.07>

Bonasera M.*, Redana M., Fubelli G. (2021) – *Historical seismic catalogue updates and site effects considerations for southern Piedmont (Northwest Italy)*. Rendiconti Online della Società Geologica Italiana, 55, pp. 2-9. <https://doi.org/10.3301/ROL.2021.09>

Caso F.*, Nerone S., Petroccia A., **Bonasera M.** (2021) – *Geology of the southern Gran Paradiso Massif and Lower Piedmont Zone contact area (middle Ala Valley, Western Alps, Italy)*. Journal of Maps, 17(2), pp. 237-246. <https://doi.org/10.1080/17445647.2021.1911869>

Racano S.*, Fubelli G., Centamore E., **Bonasera M.**, Dramis F. (2020) – *Geomorphological detection of surface effects induced by active blind thrust in the southern Abruzzi peri-adriatic belt (central Italy)*. Geografia Fisica e Dinamica Quaternaria, 43(1), pp. 3-13.

<https://doi.org/10.4461/GFDQ.2020.43.1>

Petroccia A.*, **Bonasera M.**, Caso F., Nerone S., Morelli M., Bormioli D., Moletta G. (2020) – *Structural and geomorphological framework of the upper Maira Valley (Western Alps, Italy): the case study of the Gollone Landslide*. Journal of Maps, 16(2), pp. 534-542.

<https://doi.org/10.1080/17445647.2020.1784806>

Forno M.G.*, De Luca D.A., **Bonasera M.**, Bucci A., Gianotti F., Lasagna M., Lucchesi S., Pelizza S., Piana F., Taddia G. (2018) – *Synthesis on the Turin subsoil stratigraphy and hydrogeology (NW Italy)*. Alpine and Mediterranean Quaternary, 31(2), pp. 147-170.

<https://doi.org/10.26382/AMQ.2018.10>

Gattiglio M.*, Forno M.G., **Bonasera M.**, Comina C., Doglione A., Gianotti F., Fubelli G. (2018) – *Multidisciplinary approach to reconstruct the geological Quaternary evolution of the Torrente Traversola Deformation Zone (Asti reliefs, NW Italy)*. Alpine and Mediterranean Quaternary, 31(1), pp. 213 – 216. <https://doi.org/10.26382/AIQUA.2018.AIQUAconference>

Lombardo L.*, Fubelli G., Amato G., **Bonasera M.** (2016) – *Presence-only approach to assess landslide triggering-thickness susceptibility: a test for the Mili catchment (north-eastern Sicily, Italy)*. Natural Hazards, 84(1), pp. 565-588. <https://doi.org/10.1007/s11069-016-2443-5>

Article on non-ISI journals

Galadini F.*, Ceccaroni E., Dixit Dominus G., Falcucci E., Gori S., Maceroni D., **Bonasera M.**, Di Giulio G., Moro M., Saroli M., Vassallo M. (2022) – *Combining earth sciences with archaeology to investigate natural risks related to the cultural heritage of the Marsica region (central Apennines, Italy)*. Mediterranean Geoscience Review. <https://doi.org/10.1007/s42990-022-00078-9>

Phd Thesis

Bonasera M. (2021) – *Assessment of seismic potential and related hazards in key-areas of the North-Western Italy*. [Phd Thesis, Università degli Studi di Torino]

Journal publications

Lake, N.F., Martínez-Carreras, N., Iffly, J.F., Shaw, P.J. and Collins, A.L. (2023). Use of a submersible spectrophotometer probe to fingerprint spatial suspended sediment sources at catchment scale. *Science of the Total Environment*, p.162332. <https://doi.org/10.1016/j.scitotenv.2023.162332>

Lake, N. F., Martínez-Carreras, N., Shaw, P. J., & Collins, A. L. (2022). Using particle size distributions to fingerprint suspended sediment sources—evaluation at laboratory and catchment scales. *Hydrological Processes*, e14726. <https://doi.org/10.1002/hyp.14726>

Lake, N. F., Martínez-Carreras, N., Shaw, P. J., & Collins, A. L. (2022). High frequency un-mixing of soil samples using a submerged spectrophotometer in a laboratory setting—implications for sediment fingerprinting. *Journal of Soils and Sediments*, 22(1), 348-364. <https://doi.org/10.1007/s11368-021-03107-6>

Evrard, O., Batista, P.V., Dabrin, A., Foucher, A., Frankl, A., García-Comendador, J., Huguet, A., **Lake, N.**, Lizaga, I., Martínez-Carreras, N. and Navratil, O. (2022). Improving the design and implementation of sediment fingerprinting studies: Summary and outcomes of the TRACING 2021 Scientific School. *Journal of soils and sediments*, 1-14. <https://doi.org/10.1007/s11368-022-03203-1>

Conference publications

Lake, N., Martínez-Carreras, N., Shaw, P., & Collins, A. (2022). Using differences in particle size distributions to fingerprint suspended sediment sources. In EGU General Assembly Conference Abstracts (pp. EGU22-4207).

Martínez-Carreras, N., **Lake, N.F.**, Sehgal, D., Hissler, C. and Collins, A.L. (2022). Estimating suspended sediment concentration, fluxes and loads of sediment-associated chemical constituents using a submerged spectrophotometer. In EGU General Assembly Conference Abstracts (pp. EGU22-10038).

Lake, N., Martínez-Carreras, N., Shaw, P., & Collins, A. (2021, April). High-frequency absorbance measurements for sediment source apportionment-laboratory and field assessment. In EGU General Assembly Conference Abstracts (pp. EGU21-8601).

Lake, N., Martínez-Carreras, N., Shaw, P., & Collins, A. (2020, May). Testing the ability of submersible spectrophotometers to trace suspended sediment sources at high-temporal frequency. In EGU General Assembly Conference Abstracts (pp. 20316).

Lake N.F., Verschueren B.P.J, Van der Ploeg M.J, Williams H.E, Murphy B.J, McLelland S.J, Parsons D.R, Baartman J.E.M. (2018). The role of high intensity rainfall events on erosion patterns and sediment connectivity – a laboratory experiment. *Geophysical Research Abstracts* 20, EGU2018 – 16299, Vienna, Austria.

Date:

15-03-2023

Consapevole delle responsabilità penali previste dagli artt. 75 e 76 del D.P.R. n.445/2000 per le ipotesi di falsità in atti e dichiarazioni mendaci

DICHIARA

1	che la copia della seguente pubblicazione: Saggau, P. (2022) Integrating soil compaction effects into process-based water erosion modelling: Addressing the role of tramlines for sediment and water transport in agricultural landscapes. Dissertation, Kiel University. https://macau.uni-kiel.de/receive/macau_mods_00002849 va da pagina 1 a pagina 195 e quindi composta di n. 195 fogli è conforme all'originale; pubblicata: 28.06.2022.
2	che la copia della seguente pubblicazione: Haas, C., Horn, R., Saggau, P. , Duttmann, R. (2022): Viscoelasticity and shear resistance at the aggregate-scale of structured and organic carbon-free chernozems. <i>Pedosphere</i> . doi: 10.1016/j.pedsph.2022.07.003 va da pagina 1 a pagina 26 e quindi composta di n. 26 fogli è conforme all'originale; pubblicata: July 2022.
3	che la copia della seguente pubblicazione: Kuhwald, M., F. Busche, P. Saggau , R. Duttmann (2022): Is soil loss due to crop harvesting the most disregarded soil erosion process? A review of harvest erosion. In: <i>Soil & Tillage Research</i> , 215, 105213. doi: 10.1016/j.still.2021.105213 va da pagina 1 a pagina 12 e quindi composta di n. 12 fogli è conforme all'originale; pubblicata: January 2022.
4	che la copia della seguente pubblicazione: Dreibrodt, S., Hofmann, R., Dal Corso, M., Bork, H.R, Duttmann, R., Martini, S., Saggau, P. , Schwark, L., Shatilo, M., Videiko, M., Nadeau, M.-J., Grootes, P. M., W. Kirleis and J., Müller (2022): Earthworms, Darwin and prehistoric agriculture-Chernozem genesis reconsidered. In: <i>Geoderma</i> 409, 115607 va da pagina 1 a pagina 14 e quindi composta di n. 14 fogli è conforme all'originale; pubblicata: 01.05.2022.
5	che la copia della seguente pubblicazione: Saggau, P. , M. Kuhwald, W. B. Hamer, R. Duttmann (2022): Are compacted tramlines underestimated features in soil erosion modelling? A catchment-scale analysis using a process-based soil erosion model. In: <i>Land Degradation and Development</i> , 33 (3). DOI: 10.1002/ldr.4161 va da pagina 452 a pagina 469 e quindi composta di n. 18 fogli è conforme all'originale; pubblicata: 01.12.2021.
6	che la copia della seguente pubblicazione: Kuhwald, M., Saggau, P. and K. Augustin (2021): Konflikte um Flächennutzung und Bodenfunktionen in Agrarlandschaften. In: Duttmann R., Kühne O. und F. Weber (Hrsg.): <i>Landschaft als Prozess. RaumFragen: Stadt – Region – Landschaft</i> . Springer VS, Wiesbaden. DOI: 10.1007/978-3-658-30934-3_31 va da pagina 657 a pagina 688 e quindi composta di n. 18 fogli è conforme all'originale; pubblicata: 05.01.2021.
7	che la copia della seguente pubblicazione: Rendón, P., Steinhoff-Knopp, B., Saggau, P. and B. Burkhard (2020): Assessment of the relationships between agroecosystem condition and soil erosion regulating ecosystem service in Northern Germany. In: <i>PLoS ONE</i> , 15, e0234288, doi: 10.1371/journal.pone.0234288. va da pagina 1 a pagina 28 e quindi composta di n. 28 fogli è conforme all'originale; pubblicata: 07.12.2020.
8	che la copia della seguente pubblicazione: Kuhwald, M., Hamer, W. B., Saggau, P. and R. Duttmann (2020): Advances in dynamic modelling of landscape processes: the example of soil compaction. In: <i>GEOÖKO</i> , 41. va da pagina 95 a pagina 114 e quindi composta di n. 20 fogli è conforme all'originale; pubblicata: 15.05.2020.
9	che la copia della seguente pubblicazione: Dreibrodt, S., Hofmann, R., Sipos, H., Schwark, L., Videiko, M., Shatilo, M., Martini, S., Saggau, P. , Bork, H.-R., Kirleis, W., Duttmann, R. and J. Müller (2020): Holocene soil erosion in Eastern Europe-land use and/or climate controlled? The example of a catchment at the Giant Chalcolithic settlement at Maidanetske, central Ukraine. In: <i>Geomorphology</i> , 367, 107302, DOI: 10.1016/j.geomorph.2020.107302. va da pagina 1 a pagina 12 e quindi composta di n. 12 fogli è conforme all'originale; pubblicata: 15.10.2020.
10	che la copia della seguente pubblicazione: Saggau, P. , Kuhwald, M. and R. Duttmann (2019): Integrating Soil Compaction Impacts of Tramlines Into Soil Erosion Modelling: A Field-Scale Approach. <i>Soil Systems</i> , 3, 51, doi: 10.3390/soilsystems3030051. va da pagina 1 a pagina 29 e quindi composta di n. 29 fogli è conforme all'originale; pubblicata: 09.08.2019.
11	che la copia della seguente pubblicazione: Dal Corso, M., Hamer, W., Hofmann, R., Ohlrau, R., Shatilo, L., Knitter, D., Dreibrodt, S., Saggau, P. , Feeser, I., Knapp, H., Benecke, N., Müller, J. and W. Kirleis (2019): Modelling landscape transformation at the Chalcolithic Tripolye mega-site of Maidanetske (Ukraine): Wood demand and availability. <i>The Holocene</i> , 29 (10), DOI: 10.1177/0959683619857229 va da pagina 1622 a pagina 1636 e quindi composta di n. 15 fogli è conforme all'originale; pubblicata: 29.06.2019.
12	che la copia della seguente pubblicazione: Saggau, P. , Bug, J., Gocht, A. und K. Kruse (2017): Aktuelle Bodenerosionsgefährdung durch Wind und Wasser in Deutschland. In: <i>Bodenschutz</i> , 4,17, 42234, DOI: 10.37307/j.1868-7741.2017.04.04 va da pagina 120 a pagina 125 e quindi composta di n. 6 fogli è conforme all'originale; pubblicata: October 2017

ALLEGATO II

Elenco delle pubblicazioni presentate datato e firmato (n = 12)

Consapevole delle responsabilità penali previste dagli artt. 75 e 76 del D.P.R. n.445/2000 per le ipotesi di falsità in atti e dichiarazioni mendaci

DICHIARA

1	che la copia della seguente pubblicazione: Shojaei, S., Ardakani, M. A. H., & Sodaiezhadeh, H. (2019). Optimization of parameters affecting organic mulch test to control erosion. <i>Journal of environmental management</i> , 249, 109414, Doi: 10.1016/j.jenvman.2019.109414, edita da <i>Journal of environmental management</i> , va da pagina 1 a pagina 11 e quindi composta di n. 11 fogli è conforme all'originale; pubblicata: 15.08. 2019
2	che la copia della seguente pubblicazione: Shojaei, S., Ardakani, M. A. H., Sodaiezhadeh, H., Jafari, M., & Afzali, S. F. (2020). Simultaneous optimization of parameters influencing organic mulch test using response surface methodology. <i>Scientific reports</i> , 10(1), 6717. Doi: 10.1038/s41598-020-63047-y, edita da <i>Scientific reports</i> , va da pagina 1 a pagina 11 e quindi composta di n. 11 fogli è conforme all'originale; pubblicata: 21.04. 2020
3	che la copia della seguente pubblicazione: Shojaei, S., Kalantari, Z., & Rodrigo-Comino, J. (2020). Prediction of factors affecting activation of soil erosion by mathematical modeling at pedon scale under laboratory conditions. <i>Scientific Reports</i> , 10(1), 1-12. , Doi: 10.1038/s41598-020-76926-1, edita da <i>Scientific reports</i> , va da pagina 1 a pagina 12 e quindi composta di n. 12 fogli è conforme all'originale; pubblicata: 19.11. 2020
4	che la copia della seguente pubblicazione: Shojaei, S., Ardakani, M. A. H., Sodaiezhadeh, H., Jafari, M., & Afzali, S. F. (2021). New laboratory techniques (novel) in making organic-mineral mulch to control wind and water erosion and its use in global scale. <i>Spatial Information Research</i> , 29, 97-107 , Doi: 10.1007/s41324-020-00335-9, edita da <i>Spatial Information Research</i> , va da pagina 97 a pagina 107 e quindi composta di n. 12 fogli è conforme all'originale; pubblicata: 03.06. 2020
5	che la copia della seguente pubblicazione: Shojaei, S., Ardakani, M. A. H., Sodaiezhadeh, H., Jafari, M., & Afzali, S. F. (2019). Optimization using response surface method (RSM) to investigate the compaction of mulch. <i>Modeling Earth Systems and Environment</i> , 5, 1553-1561, Doi: 10.1007/s40808-019-00600-3, edita da <i>Modeling Earth Systems and Environment</i> , va da pagina 1553 a pagina 1561 e quindi composta di n. 11 fogli è conforme all'originale; pubblicata: 03.06. 2020
6	che la copia della seguente pubblicazione: Piri, I., Khanamani, A., Shojaei, S., & Fathizad, H. (2017). Determination of the best geostatistical method for climatic zoning in Iran. <i>Applied Ecology and Environmental Research</i> , 15(1), 93-103, Doi: 10.15666/aer/1501_093103, edita da <i>Applied Ecology and Environmental Research</i> , va da pagina 93 a pagina 103 e quindi composta di n. 11 fogli è conforme all'originale; pubblicata: 10.10. 2016
7	che la copia della seguente pubblicazione: Nhu, V. H., Rahmati, O., Falah, F., Shojaei, S., Al-Ansari, N., Shahabi, H., ... & Ahmad, B. B. (2020). Mapping of groundwater spring potential in karst aquifer system using novel ensemble bivariate and multivariate models. <i>Water</i> , 12(4), 985, Doi: 10.3390/w12040985, edita da <i>Water</i> , va da pagina 1 a pagina 25 e quindi composta di n. 25 fogli è conforme all'originale; pubblicata: 31.03. 2020
8	che la copia della seguente pubblicazione: Khanamani, A., Fathizad, H., Karimi, H., & Shojaei, S. (2017). Assessing desertification by using soil indices. <i>Arabian Journal of Geosciences</i> , 10, 1-10, Doi: 10.1007/s12517-017-3054-5, edita da <i>Arabian Journal of Geosciences</i> , va da pagina 1 a pagina 10 e quindi composta di n. 10 fogli è conforme all'originale; pubblicata: 04.07. 2017
9	che la copia della seguente pubblicazione: Aliabad, F. A., hakimzadeh, M. A., & Shojaei, S. (2019). The impact of drought and decline in groundwater levels on the spread of sand dunes in the plain in Iran. <i>Sustainable Water Resources Management</i> , 5, 541-555, Doi: 10.1007/s40899-017-0204-6, edita da <i>Sustainable Water Resources Management</i> , va da pagina 541 a pagina 555 e quindi composta di n. 16 fogli è conforme all'originale; pubblicata: 29.12. 2017
10	che la copia della seguente pubblicazione: Shojaei, S., Jafarpour, A., Shojaei, S., Gyasi-Agyei, Y., & Rodrigo-Comino, J. (2021). Heavy metal uptake by plants from wastewater of different pulp concentrations and contaminated soils. <i>Journal of Cleaner Production</i> , 296, 126345, Doi: 10.1016/j.jclepro.2021.126345, edita da <i>Journal of Cleaner Production</i> , va da pagina 1 a pagina 12 e quindi composta di n. 12 fogli è conforme all'originale; pubblicata: 25.02. 2021
11	che la copia della seguente pubblicazione: Shojaei, S., Ashofteh, P., Dwijendra, N. K. A., Melesse, A. M., Shahvaran, A. R., Shojaei, S., & Homayoonnezhad, I. (2022). Impacts on global temperature during the first part of 2020 due to the reduction in human activities by COVID-19. <i>Air, Soil and Water Research</i> , 15, 11786221221101901, Doi: 10.1177/11786221221101901, edita da <i>Air, Soil and Water Research</i> , va da pagina 1 a pagina 14 e quindi composta di n. 14 fogli è conforme all'originale; pubblicata: 28.04. 2022
12	che la copia della seguente pubblicazione: Eslami, Z., Shojaei, S., & Hakimzadeh, M. A. (2017). Exploring prioritized sub-basins in terms of flooding risk using HEC_HMS model in Eskandari catchment, Iran. <i>Spatial Information Research</i> , 25, 677-684, Doi: 10.1007/s41324-017-0135-1, edita da <i>Spatial Information Research</i> , va da pagina 1 a pagina 8 e quindi composta di n. 8 fogli è conforme all'originale; pubblicata: 22.08. 2017

MAURO BONASERA**ESPERIENZA PROFESSIONALE**

Set 2022 - alla data attuale

Tecnologo

Tecnologo di III livello presso il Dipartimento per il Servizio Geologico d'Italia dell'Istituto Superiore per la Protezione e la Ricerca Ambientale

ISPRA, Vitaliano Brancati, 48 - ROMA (RM) ITALIA

Giu 2019 - alla data attuale

Coordinatore

Coordinatore dei soci under 35 (Giovani Geomorfologi Italiani - Italian Young Geomorphologists) e membro del Consiglio Direttivo dell'Associazione Italiana di Geografia fisica e Geomorfologia.

AIGeo - ROMA (RM) ITALIA

Feb 2022 - Ago 2022

Assegnista di ricerca

Rilevamento e cartografia finalizzati allo studio di pericolosità geomorfologiche e implementazione di sistemi di monitoraggio di fenomeni franosi.

Università degli Studi di Torino, Valperga Caluso, 35 - TORINO (TO) ITALIA

Mar 2021 - Gen 2022

Borsista di ricerca

Analisi di movimenti franosi da remoto e individuazione di soglie di innesco.

Università degli Studi di Torino, Via Valperga Caluso, 35 - TORINO (TO) ITALIA

Lug 2021 - Ago 2021

Consulente geologo

Rilevamenti geologici e geomorfologici in sito restituzione di cartografia su supporto cartaceo degli esiti dei rilevamenti redazione di note di commento agli esiti dei rilevamenti di terreno fornitura di opportuna documentazione fotografica di corredo alla comprensione delle osservazioni geologiche condotte.

GDP-GEOMIN - PRAJA A MARE-AJETA-TORTORA-TARSIA (CS) ITALIA

Mag 2017 - Lug 2017

Consulente geologo

Attività geologiche, geotecniche, geofisiche e geomatiche applicate all'ingegneria civile: acquisizione dati MASW e tomografie elettriche monitoraggio piezometrico e inclinometrico monitoraggio di edifici (deformometro) e rilievo topografico con stadia; elaborazione di relazioni geologiche elaborazione di stratigrafie e supervisione di sondaggi geognostici.

Geores, Via Roberto Lepetit, 234 - ROMA (RM) ITALIA

Lug 2015 - Lug 2016

Tirocinante

Analisi integrata di dati pluviometrici, inclinometrici e fissurimetrici volta alla stima dei movimenti di sistemi franosi. Raccolta di dati inclinometrici e piezometrici in siti attrezzati, elaborazione dei dati raccolti attraverso software dedicati e integrazione con sistemi di monitoraggio acquisiti in remoto. Acquisizione conoscenze e competenze sulle attività di monitoraggio frane, manualità con l'utilizzo dell'inclinometro e del freatimetro, capacità di interpretazione dei dati elaborati.

Università degli Studi di Torino - SAN VITO ROMANO (RM) ITALIA

ISTRUZIONE E FORMAZIONE

2017 - 2021

SCIENZE DELLA TERRA**Livello QEQ 8**

Università degli Studi di TORINO - Dipartimento di Scienze della Terra

Dottorato di ricerca

Principali tematiche/competenza professionali possedute:

Tesi: Valutazione del potenziale sismico e della pericolosità associata in settori chiave dell'Italia nord-occidentale.

Università degli Studi 'Roma Tre' - Dipartimento di Scienze
Laurea magistrale (2 anni)

Data di conseguimento 16/12/2016 – Voto 110/110 E LODE

Principali tematiche/competenza professionali possedute:

Tesi: Evoluzione del reticolo idrografico in relazione a differenti contesti morfotettonici nel settore laziale-abruzzese

Università degli Studi 'Roma Tre' - Dipartimento di Scienze
Laurea di primo livello (3 anni)

Principali tematiche/competenza professionali possedute:

Tesi: Caratterizzazione geomorfologica del bacino del Torrente Mili (ME) finalizzata alla valutazione della suscettibilità da frane a rapida evoluzione

Attività di qualificazione

ALTRI CORSI DI QUALIFICAZIONE

2022

Applicazioni geostatistiche per la modellazione con R della suscettibilità da frana
Università degli Studi di PALERMO

CORSO DI FORMAZIONE

2020

Satellite SAR interferometry

Università degli Studi di PAVIA

Descrizione attività: - Sensori radar da satellite, missioni SAR e concetti base

- Limitazioni e applicabilità dell'interferometria SAR da satellite

- Spostamenti Satellite-based e misure in situ

- Dati Multi-sensor SAR per individuare e monitorare cedimenti del terreno

CORSO DI FORMAZIONE

2019

Numerical modeling of rapid mass movement

Politecnico di TORINO

Descrizione attività: - Interazione della massa con interventi strutturali di mitigazione del rischio

- Strategie 3D per la simulazione di eventi franosi

CORSO DI FORMAZIONE

2019

Slope Instability in a Human Modified Environment

Università degli Studi di PAVIA

Descrizione attività: -Caratterizzazione dei suoli e monitoraggio continuo delle dinamiche idroerosive

-Soglie empiriche di pioggia per il possibile innesco di frane

-LiDAR ad alta risoluzione per l'identificazione e lo studio delle frane superficiali in aree terrazzate

-Applicazioni di telerilevamento per monitoraggio e rilevamento di frane

-Caratterizzazione di versanti in roccia, strutture di protezione e modellazione di crolli

CORSO DI FORMAZIONE

2017

I paesaggi legati ai terremoti: effetti geomorfologici

Associazione Italiana di Geografia Fisica e Geomorfologia

Descrizione attività: -Rilevamento geomorfologico

-Grandi frane e deformazioni gravitative profonde di versante (DGPV)

-Evoluzione geomorfologica di un'area tettonicamente attiva e monitoraggio strumentale di un fenomeno di DGPV

-Sinkholes

-Fagliazione superficiale

-Alterazione del regime idrologico di fiumi e sorgenti

CORSO DI FORMAZIONE

2016

Tectonic Geomorphology Summer School 2016

IAG/AIG -WG-TG Working Group

Descrizione attività: -Metodi di valutazione del sollevamento tettonico: termocronologia, geomorfometria, geodesia, geodiversità dei processi e contesti tettonici

-Processi sismotettonici, strutture e paesaggi collegati: geologia strutturale e geomorfologia, paleosismologia e sismologia

-Instabilità di versante e rischi associati: geingegneria, modellizzazione e mappe geotematiche

COMPETENZE PERSONALI

Lingua madre

Italiano

Lingue straniere

COMPRESIONE		PARLATO		SCRITTO
Ascolto	Lettura	Interazione orale	Produzione orale	

Inglese	B2	Autonomo	B2	Autonomo	B2	Autonomo	B2	Autonomo	B2	Autonomo
Spagnolo	A1	Base	A1	Base	A1	Base	A1	Base	A1	Base
Inglese: Idoneità Lingua - Inglese - Università degli Studi Roma Tre, 23 03 2012 - Livello europeo: B1 Inglese: Inglese liv. B2 - Università degli Studi Roma Tre, 27 01 2016 - Livello europeo: B2 Inglese: English for Scientific Academic Purposes for PhD students - Istituto Universitario di Studi Europei - Torino, 09 10 2019										
Livelli: A1/2 Livello base - B1/2 Livello intermedio - C1/2 Livello avanzato Quadro comune europeo di riferimento per le lingue										

Competenze digitali

AUTOVALUTAZIONE				
ELABORAZIONE DELLE INFORMAZIONI	COMUNICAZIONE	CREAZIONE DI CONTENUTI	SICUREZZA	RISOLUZIONE DEI PROBLEMI
Utente autonomo	Utente avanzato	Utente autonomo	Utente autonomo	Utente autonomo

Competenze digitali - Scheda per l'autovalutazione

ECDL: 2010

Competenze informatiche di base:

OFFICE AUTOMATION

Elaborazione testi: Microsoft Word (Avanzato) | **Fogli elettronici:** Microsoft Excel (Avanzato) | **Software di presentazione:** Microsoft PowerPoint (Avanzato)

SOFTWARE APPLICATIVI

Data Visualization: MATLAB (Base) | **Sistema Informativo Geografico (GIS):** ArcGIS (Intermedio) , QGIS (Altamente specializzato) | **Utilizzo software CAD:** AutoCAD (Base)

PROGRAMMAZIONE

Ambienti di sviluppo integrato (IDE): RStudio (Base) | **Linguaggi di Programmazione:** Octave (Base)

GESTIONE DATI

Sistemi di gestione di database (DBMS): Microsoft Access (Intermedio)

Patente di guida B

PUBBLICAZIONI

Articolo su rivista	<p>"Permafrost-based geomorphology of the Mt. Foscagno - Mt. Forcellina ridge (Adda – Inn River basins, Central Italian Alps)" ; Guglielmin M., Bonasera M., Fubelli G., Tellini C., Dramis F. ; Journal of Maps, 18(1) (2022) doi.org/10.1080/17445647.2022.2082331</p> <p>"Geomorphological and Structural Assessment of the Coastal Area of Capo Faro Promontory, NE Salina (Aeolian Islands, Italy)" ; Bonasera M., Cerrone C., Caso F., Lanza S., Fubelli G., Randazzo G. ; Land, 11(7), 1106 (2022) doi.org/10.3390/land11071106</p> <p>"Combining earth sciences with archaeology to investigate natural risks related to the cultural heritage of the Marsica region" ; Galadini F., Ceccaroni E., Dixit Dominus G., Falcucci E., Gori S., Maceroni D., Bonasera M., Di Giulio G., Moro M., Saroli M., Vassallo M. ; Mediterranean Geoscience Review (2022) doi.org/10.1007/s42990-022-00078-9</p> <p>"Proposal for Flood Risk Mitigation in the Upper Tanaro Valley (Western Alps - North-Western Italy)" ; Taboni B., Licata M., Buleo Tebar V., Bonasera M., Umili G. ; Geosciences, 12(7), 260 (2022) doi.org/10.3390/geosciences12070260</p> <p>"A multidisciplinary approach to detect the seismogenic source of the Tortona 1828 earthquake (Piedmont, Northwest Italy)" ; Bonasera M., Fubelli G., Comina C., Bosco F., Umili G., Zorloni L., Francesco P. ; Italian Journal of Geosciences, 141 (1), 69-83 (2022) doi.org/10.3301/IJG.2022.07</p> <p>"Historical seismic catalogue updates and site effects considerations for southern Piedmont (Northwest Italy)" ; Bonasera M., Redana M., Fubelli G. ; Rendiconti Online della Società Geologica Italiana, 55, 2-9 (2021) doi.org/10.3301/ROL.2021.09</p>
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Rapporto tecnico "Indagini a supporto degli interventi finalizzati alla rimozione delle porzioni rocciose instabili della frana di

Quincinetto (TO) - Integr. Fase A" ; Fubelli G., Mandrone G., Comina C., Bonasera M., Vacha D., Buleo Tebar V. ; Università degli Studi di Torino (2021)
drive.google.com/file/d/1Zy38VTOuieaoB___9nwEIHZtTdT2yA29X/view?usp=sha...

Articolo su rivista

"Calcareous tufa deposition in connection with Late Pleistocene abrupt warming events" ; Fubelli G., Soligo M., Tuccimei P., Bonasera M., Dramis F. ; Journal of Ecology and Natural Resources, 5(2): 000236(2021)
doi.org/10.23880/jenr-16000236

"Geology of the southern Gran Paradiso Massif and Lower Piedmont Zone contact area (middle Ala Valley, Western Alps, Italy)" ; Caso F., Nerone N., Petroccia A., Bonasera M. ; Journal of Maps, 17(2), 237-246 (2021)
doi.org/10.1080/17445647.2021.1911869

"Geomorphological detection of surface effects induced by active blind thrust in the southern Abruzzi peri-adriatic belt (central Italy)." ; Racano S., Fubelli G., Centamore E., Bonasera M., Dramis F. ; Geografia Fisica e Dinamica Quaternaria, 43(1), 3-13 (2020)
doi.org/10.4461/GFDQ.2020.43.1

"Geological guide to the excursion in the Upper Maira Valley (Western Alps, Italy)" ; Petroccia A., Bonasera M., Caso F., Nerone S., Morelli M., Bormioli D., Moletta G. ; Atti della Società Toscana di Scienze Naturali, 127, 41-53 (2020)
doi.org/10.2424/ASTSN.M.2020.03

"Structural and geomorphological framework of the upper Maira Valley (Western Alps, Italy): the case study of the Gollone Landslide" ; Petroccia A., Bonasera M., Caso F., Nerone S., Morelli M., Bormioli D. ; Journal of Maps, 16(2), 534-542 (2020)
doi.org/10.1080/17445647.2020.1784806

Rapporto tecnico

"Indagini a supporto degli interventi finalizzati alla rimozione delle porzioni rocciose instabili della frana di Quincinetto (TO) - Fase A" ; Fubelli G., Mandrone G., Comina C., Bonasera M., Vacha D. ; Università degli Studi di Torino (2020)
drive.google.com/file/d/1_EKGI70InyYe-EzLn930v9VKmsgWjQb/view?usp=sha...

"Caratterizzazione geomorfologica della strada Conochoca-Yanacancha nell'ambito del contratto con la società mineraria Antamina (Perù)" ; Puglisi C., Screpanti A., Bonasera M., Immordino F., Dimola G., Fubelli G., Verrubbi V. ; ENEA - Ente per le Nuove tecnologie, l'Energia e l'Ambiente (2019)
drive.google.com/file/d/1ZpzHTBt_0mlhsn4Szwzt8GRpmS7mwbKG/view?usp=sha...

Articolo su rivista

"Synthesis on the Turin subsoil stratigraphy and hydrogeology (NW Italy)" ; Forno M.G., De Luca D.A., Bonasera M., Bucci A., Gianotti F., Lasagna M. ; Alpine and Mediterranean Quaternary, 31(2), 147-170 (2018)
doi.org/10.26382/AMQ.2018.10

"Multidisciplinary approach to reconstruct the geological Quaternary evolution of Torrente Traversola Deformation Zone" ; Gattiglio M., Forno M.G., Bonasera M., Comina C., Doglione A., Gianotti F. ; Alpine and Mediterranean Quaternary, 31(1), 213 - 216 (2018)
doi.org/10.26382/AIQUA.2018.AIQUAconference

"Presence-only approach to assess landslide triggering-thickness susceptibility. A test for the Mili catchment" ; Lombardo L., Fubelli G., Amato G., Bonasera M. ; Natural Hazards, 84(1), 565-588 (2016)
doi.org/10.1007/s11069-016-2443-5

ULTERIORI INFORMAZIONI

Seminari tenuti a Uni Roma Tre e Uni Torino:

- Analisi Geomorfologiche in QGIS applicate alla morfotettonica e allo studio di movimenti gravitativi 2020
- Metodologie geomorfologiche per la valutazione del potenziale sismico nell'Italia nord-occidentale 2020

Premi vinti:

- grant AIGeo per la partecipazione a JGG Lyon 2018
- EGU ECSTS 2020

Esperienze didattiche a Uni Roma Tre e Uni Torino:

- Geografia Fisica 2015 e 2016
- Geomorfologia e Lab. 2016
- Rilevamento dei Sedimenti Quaternari 2018
- Geomorfologia e Conservazione del Suolo 2018 e 2019
- Informatica e GIS 2018, 2019 e 2020
- Geomorfologia Applicata 2018, 2019 e 2020

-Risposta Sismica e Stabilità dei Pendii 2019
-Geologia con Laboratorio 2020

Correlatore delle Tesi di laurea di:

- Zorloni Lorenzo, Vernelli Enrico, Porcarelli Francesco, Redana Matteo 2018
- Cattarossi Walter 2018, 2020
- Lazzaroni Manuel 2019
- Dimola Giusy 2020
- Capurso Nicolò 2021

Controrelatore della Tesi di:

- Bresci Vittoria 2018

Curriculum vitae

Profile

I would like to describe myself as a creative and accurate working person. I can work well both individual and in small groups. With my skills and interest in environmental sciences, I am looking forward contributing to a sustainable environment, now and in the future.

Experience

- | | |
|--|---|
| 10/2018 – 12/2022 | PhD candidate / Junior researcher (40h/week)
Luxembourg Institute of Science and Technology (LUX).
<i>Tasks:</i> Testing new approaches for allowing high temporal resolution tracing of suspended sediment sources. Tested through field sampling (Attert River basin, Luxembourg) and laboratory analyses. |
| 03/2018 – 07/2018 | Internship ‘Modelling water supply using WALRUS’ (code written in R) (40h/week)
Waterboard Vechtstromen, Almelo (NL).
<i>Tasks:</i> Modelling and programming in numerical WALRUS model. Exercise to determine area specific water demands during droughts. |
| 11/2017 – 12/2017
01/2018 – 02/2018 | Student assistant (5 h/week)
Wageningen University (WUR), Wageningen (NL).
<i>Course:</i> Presentation skills (BSc. course & MSc. course).
<i>Tasks:</i> Supporting presentation sessions. Examining presentations and reflection papers. |
| 01/2015 – 02/2015 | Tutor (2 - 3 h/week)
<i>Course:</i> Water 1, introduction hydrology.
<i>Tasks:</i> Explaining general theory and helping with exercises. |
| 11/2014 and 10/2015 | Information evenings prospective students
Giving presentations about studying ‘Soil, water, atmosphere’ to prospective students (from 4 different high schools). |

Education

- | | |
|-------------------|---|
| 10/2018 – 03/2023 | PhD in Geography and Environmental science
University of Southampton, Southampton (UK).
<i>Thesis:</i> Towards high temporal and in situ estimations of suspended sediment sources.
<i>Thesis defended:</i> March 3 rd 2023 |
| 09/2016 – 08/2018 | Master ‘Earth and Environment’ (Specialisation ‘Hydrology and Water Resources’)
Wageningen University, Wageningen (NL).
<i>Thesis:</i> Laboratory experiments and analyses to investigate erosion and sediment connectivity patterns during patterns of different rainfall intensities. Measurements at the University of Hull, Kingston upon Hull (UK). |

09/2013 – 08/2016 **Bachelor ‘Soil, Water, Atmosphere’**
Wageningen University, Wageningen (NL).
Minor: ‘International Land and Water Management’.
Thesis: Field work and analyses of sand transport by wind to investigate local dune formation on the island of Terschelling (NL).

09/2007 – 07/2013 **Pre-university education (‘vwo’)**
Hondsrug College, Emmen (NL).
Profile: Nature and Health, Nature and Technique.

Qualifications

IT skills

R-Studio (short programming, analyses), ArcGIS (visualisation, analysis), SPSS.
Knowledge of hydrological models (e.g., WALRUS), landscape evolution models (e.g., CAESAR-LISFLOOD, LISEM, LAPSUS), end-member mixing models (MixSIAR, AnalySize).

Language

Dutch: native
English: professional level
German: B2 level
French: A2 level

Interest

Tennis, walking/hiking, reading.

PERSONAL INFORMATION

Name: Philipp Saggau
Address:
Date of Birth:
Citizenship:
Mail | Phone:

EMPLOYMENT

- 07/2022 – Present** **Team Earth Observation**
Thuenen Institute of Farm Economics, Braunschweig, Germany
 Postdoc - Focus: National Soil Erosion Modelling
- Institute for Landscape Ecology and Geoinformation Science**
Department of Geography, Kiel University, Germany
 Postdoc - Focus: Harvest Erosion and Digital Soil Mapping
- 07/2016 – 07/2022** **Institute for Landscape Ecology and Geoinformation Science**
Department of Geography, Kiel University, Germany
 PhD Candidate/Research Assistant
 Focus: Soil Erosion and Digital Soil Mapping
- 04/2016 – 08/2016** **Institute for Physical Geography und Landscape Ecology**
University of Hanover, Germany
 Research Assistant – Focus: Soil Erosion Modelling
- 03/2010 – 04/2016** **Institute for Physical Geography and Landscape Ecology**
University of Hanover, Germany
 Student assistant - Focus: Soil Erosion Mapping and Analysis
- 05.2013 – 08/2013** **State Office for Mining, Energy and Geology, Hanover, Germany**
 Student Assistant – Focus: Soil Mapping and Analysis

EDUCATION

- 07/2016 – 06/2022** **PhD in Physical Geography (magna cum laude)**
 Kiel University, Germany
 Doctor Thesis: „Integrating soil compaction effects into process-based water erosion modelling. Addressing the role of tramlines for sediment and water transport in agricultural landscapes.”
 Supervisors: Prof. Rainer Duttman, Prof. Eileen Eckmeier, Prof. Athanasios Vafeidis (Kiel University)
- 10/2012 – 03/2016** **Master of Science in Landscape Sciences (mark 1.0)**
 University of Hanover, Germany
 Master Thesis: „Actual Soil Erosion Risk in Germany. Estimating water and wind erosion risk using physical and empirical modelling approaches.“ (mark 1.0)

- 10/2009 – 09/2012 Bachelor of Science in Physical Geography (mark 2.0)**
University of Hanover, Germany
Bachelor Thesis: „Soil erosion risk in northwestern Switzerland and the adaptation of agricultural management on at-risk areas. An Investigation on 80 plots in the Canton of Basel-Landschaft.“ (mark 1.7)
- 08/2005 – 08/2008 Allgemeine Hochschulreife (high school diploma - mark 2.3)**
Berufliches Gymnasium, Preetz, Germany

STAYS ABROAD

- 09/2017 – 10/2017 Maidanetske', Tscherkassy, Ukraine**
Research Project & Excursion
'Climate driven Holocene erosion in central Ukraine'
- 08/2014 – 12/2014 Purdue University of West Lafayette, Indiana, USA**
Department of Agronomy & National Soil Erosion Laboratory (USDA)
Semester Abroad
- 08/2013 Mongolian State University, Ulan-Bator, Mongolia**
Study Project
'Carbon and Nitrogen Dynamics from Steppe Soils'
- 02/2012 – 04/2012 Office for Environmental Protection and Energy Liestal, Switzerland**
Student Assistant
'Soil Erosion Monitoring'
- 02/2010 – 03/2010 Texas State University of San Marcos, USA**
Student Exchange Programme

PUBLICATIONS

- Saggau, P.**, Kuhwald, M. and R. Duttmann (2022): Effects of contour farming and tillage on soil erosion processes in a hummocky watershed. A process-based model approach highlighting the role of tramline tracks. In: CATENA. (under review)
- Saggau, P.** (2022) Integrating soil compaction effects into process-based water erosion modelling: Addressing the role of tramlines for sediment and water transport in agricultural landscapes. Dissertation, Kiel University. https://macau.uni-kiel.de/receive/macau_mods_00002849
- Haas, C., Horn, R., **Saggau, P.** and R. Duttmann (2022): Viscoelasticity and shear resistance at the aggregate-scale of structured and organic carbon-free chernozems. In: Pedosphere. DOI: 10.1016/j.pedsph.2022.07.003 (in press)
- Kuhwald, M., Busche, F., **Saggau, P.** and R. Duttmann (2022): Is soil loss due to crop harvesting the most disregarded soil erosion process? A review of harvest erosion. In: Soil & Tillage. DOI: 10.1016/j.still.2021.105213
- Dreibrodt, S., Hofmann, R., Dal Corso, M., Bork, H.R., Duttmann, R., Martini, S., **Saggau, P.**, Schwark, L., Shatilo, M., Videiko, M., Nadeau, M.-J., Grootes, P. M., W. Kirleis and J., Muller (2022): Earthworms, Darwin and prehistoric agriculture-Chernozem genesis reconsidered. In: Geoderma 409, 115607
- Saggau, P.**, Kuhwald, M., Hamer, W. B. and R. Duttmann (2022): Are compacted tramlines underestimated features in soil erosion modelling? A catchment-scale analysis using a process-based soil erosion model. In: Land Degradation and Development. DOI: 10.1002/ldr.4161

- Kuhwald, M., **Saggau, P.** and K. Augustin (2020): Konflikte um Flächennutzung und Bodenfunktionen in Agrarlandschaften. In: Duttmann R., Kühne O. und F. Weber (Hrsg.): Landschaft als Prozess. RaumFragen: Stadt – Region – Landschaft. Springer VS, Wiesbaden. DOI: 10.1007/978-3-658-30934-3_31
- Rendón, P., Steinhoff-Knopp, B., **Saggau, P.** and B. Burkhard (2020): Assessment of the relationships between agroecosystem condition and soil erosion regulating ecosystem service in Northern Germany. In: PLoS ONE 15 (12), p. 1-28. DOI: 10.1371/journal.pone.0234288.
- Kuhwald, M., Hamer, W. B., **Saggau, P.** and R. Duttmann (2020): Advances in dynamic modelling of landscape processes: the example of soil compaction. In: GEOÖKO 41 (1-2), p. 95–114.
- Dreibrodt, S., R. Hofmann, G. Sipos, L. Schwark, M. Videiko, L. Shatilo, S. Martini, **P. Saggau**, R. Duttmann, H. R. Bork, W. Kirleis, J. Müller: Climate driven Holocene erosion in central Ukraine. Submitted on: December 03, 2019. In: Geomorphology. DOI: 10.31223/osf.io/zjk7u
- Saggau, P.**, Kuhwald, M. and R. Duttmann (2019): Integrating Soil Compaction Impacts of Tramlines into Soil Erosion Modelling: A Field-Scale Approach. In: Soil Systems 2019, 3(3), p. 51. DOI: 10.3390/soilsystems3030051.
- Dal Corso, M., Hamer, W., Hofmann, R., Ohlrau, R., Shatilo, L., Knitter, D., Dreibrodt, S., **Saggau, P.**, Feeser, I., Knapp, H., Benecke, N., Müller, J. and W. Kirleis (2019): Modelling landscape transformation at the Chalcolithic Tripolye mega-site of Maidanetske (Ukraine): Wood demand and availability. The Holocene. DOI: 10.1177/0959683619857229.
- Saggau, P.**, Bug, J., Gocht, A. and K. Kruse (2017): Aktuelle Bodenerosionsgefährdung durch Wind und Wasser in Deutschland. In: Bodenschutz 4, 17, S. 120-125.

CONFERENCES (SELECTION)

- Saggau, P.**, Kuhwald M. and Duttmann R. (2023): Analysis of contour farming and reduced tillage to reduce soil erosion in compacted tramlines: Results of a model-based case study in an agricultural catchment. International BonaRes Conference (Oral Presentation, accepted)
- Saggau, P.** und Steinhoff-Knopp, B. (2023): Uncertainties in the regional estimation of Soil Erodibility. A German wide evaluation of the K-Factor comparing current datasets and calculation methods. European Geoscience Union General Assembly (Oral Presentation, accepted)
- Saggau, P.**, Kuhwald M. and Duttmann R. (2022): The impact of tramlines on water erosion in agricultural catchments. 22nd World Congress of Soil Science - Glasgow. (Poster pres.)
- Saggau, P.** und Kuhwald M. (2019): The influence of agricultural use on the soils and landscape in the Eastern Uplands of Schleswig-Holstein Germany (translated). German Congress for Geography (DKG) in Kiel, Germany. (Field Trip Guide)
- Saggau, P.**, M. Kuhwald and R. Duttmann (2019): Implementierung von verdichteten Fahrspurbereichen in prozess-basierte Bodenerosionsmodelle. German Congress for Geography (DKG) in Kiel, Germany. (Oral Presentation)
- Saggau, P.**, J. F. Bug, A. Gocht, K. Kruse and R. Duttmann (2017): "Actual Soil Erosion Risk for Germany. An approach to assess large-scale water erosion risk with the Universal Soil Loss Equation". Symposium of the German Soil Science Society (DBG) in Göttingen, Germany. (Poster presentation)

UNIVERSITY TEACHING

Lecture ¹	Degree	Period and Number ²
Geographic Information Systems I (Exercise, 1 cred.)	[B.Sc., Edu]	WT 2021/22 x 2 WT 2017/18 x 1 WT 2016/17 x 1
Physical Geography II (Seminar and Exercise, 2 cred.)	[B.Sc., Edu]	ST 2021 x 6 ST 2020 x 4 ST 2019 x 2 ST 2018 x 3 ST 2017 x 1
Physical Geography II (Field Trips, 0.5 cred.)	[B.Sc., Edu]	ST 2022 x 8 ST 2021 x 6 ST 2020 x 6 ST 2018 x 4 ST 2017 x 3
Landscape ecological analysis of soil degradation processes (Study project, 4 cred.)	[B.Sc.]	ST 2023 x 1
Soil erosion risk assessments: An investigation at different spatial scales (Study project, 4 cred.)	[B.Sc.]	WT 2020/21 x 1
Soil Conservation in agricultural landscapes (Study project, 4 cred.)	[M.Sc.]	WT 2019/20 x 1
Landscape ecological analysis of soil erosion processes in agricultural landscapes (Study Project, 4 cred.)	[B.Sc.]	WT 2019/20 x 1 WT 2017/18 x 1
Soil Conservation in Practice (Study project, 4 cred.)	[B.Sc.]	WT 2018/19 x 1
Analysis and Spatial Modelling of Environmental Processes (Study project, 4 cred.)	[M.Sc.]	WT 2018/19 x 1
Modelling Landscape Processes (Seminar and Exercise, 2 cred.)	[M.Sc.]	ST 2017 x 1
Excursion Ukraine (14 days Field Trip, 4 cred.)	[M.Sc.]	WT 2017/18 x 1
Spatial Data Handling (Exercise in English language, 1 cred.)	[M.Sc.]	WT 2017/18 x 2 WT 2016/17 x 2

¹Translated name and type of lecture (1 Credit Point equals 1 hour of active teaching per week during each term)

² Number of lecture courses per term (WT = Winter term, ST = Summer Term)

SUPERVISION OF BACHELOR AND MASTER THESES (TRANSLATED SELECTION FROM N = 23)

Evaluation of Soil Grids data by soil core mapping and official soil maps: A comparison based on project-related mapping in the district of Steinburg, Schleswig-Holstein. Bachelor thesis. Marc-Calvin Bargmann. 2022

Changes in the spatial and temporal distribution of erosive precipitation and their potential effects on differently textured soils. Bachelor thesis. Christine Dörr. 2021.

Spatially differentiated modelling of erosion and compaction susceptibility in Lower Saxony based on freely available geodata: Development of a predictive model with Python. Bachelor thesis. Yannik Ernst. 2021.

The effects of conservation agriculture on biotically controlled turnover and stabilization processes of arable soils. Bachelor thesis. Lars Rudolph. 2021.

Geostatistical regionalization of aggregate stability for the Indication of the susceptibility of soils to erosion - Model applications using the example of the Mühlenberg (Eastern Hill Country Schleswig-Holstein). Master Thesis. Maren Michaelis. 2020

Model-based prediction of solute transport pathways in water systems as a basis for soil and water protection concepts in the Ascheberg area (Eastern Hill Country Schleswig-Holstein). Application of the erosion model Erosion-3D for the prediction of solute transport. Bachelor thesis. Lea Marie Fricke. 2020.

Event-related modelling of soil erosion processes in the eastern hill country of Schleswig-Holstein. Application and verification of the erosion model E3D. Bachelor Thesis. Lena Wiedemann. 2018.

Nutrient input to surface waters of Germany by soil erosion: development and current status of nitrogen and phosphorus inputs. Bachelor thesis. Chriske Nissen. 2017.

COMMITTEE WORK, MEMBERSHIPS AND GRANTS

11/2017 – Present	Scientific representative of the Geographic Section Committee of the Faculty of Natural Sciences, Kiel University
07/ 2016 – Present	Member of the German Society of Soil Science (DBG)
03/2020	DAAD-Travel Grant (World Congress of Soil Science, Glasgow)
03/2020	DAAD-Travel Grant (European Geoscience Union, Vienna)
06/2019 – 09/2019	Planning Committee German Congress for Geography at Kiel University
08/2014 – 12/2014	Leibniz-PROMOS- Scholarship (Study Project Mongolia)
05/2014	Travel Grant of the Fulbright-Commission (Semester at Purdue University)
08/2013	Leibniz-PROMOS-Travel Grant (Semester at Purdue University)
10/2012 – 12/2014	Student representative of the academic examination board M.Sc. Landscape Sciences, University of Hanover
10/2009 – 09/2016	Member of the Geographic Student Council, University of Hanover
03/2010	Honorary Citizenship of the City of San Marco, Texas, USA Award for the commitment towards international friendship

ACADEMIC CERTIFICATES AND COURSES (SELECTION)

Research & Interculturality:

- Certificate for Intercultural Competence (2022)
- Coaching Tools for Research and Teaching (2021)
- We are all different. Dealing with cultural diversity in an appreciative way (2021)
- Racism. Emergence, Mode of Action and Relevance in Education and University Life (2020)
- Research funding: know-how for national and European third-party funding acquisition (2018)

Methods:

- Machine Learning with Tree-Based Models in R (2023)
- Non-Linear-Modelling in R (2022)
- Correlation and Regression in R (2021)
- Efficient Coding in R (2020)
- Extrapolatory Data Analysis in R (2020)
- Introduction to SQL and Python (2020)
- Advanced Statistics in R (2016)

Teaching:

- Contemporary Teaching/Learning Concepts - Experience, Develop, Extend (2021)
- Contact at a distance - design of online consultations (2021)
- Impact as a teacher in online formats (2021)
- Giving Constructive Feedback - Facets of Feedback Rhetoric (2020)
- Testing and Assessment - Learning Objectives, Discussions and Examination Theses (2020)
- Certificate for Higher Education Didactics (2017)

SKILLS

Software:

- Highly experienced in Libre & MS Office Software
- Highly experienced in GIS (*QGIS*, *SAGA*, *GRASS*, *ArcGIS*)
- Highly experienced in *R* and *RStudio*
- Highly experienced in Erosion Models (*RUSLE*, *EROSION 3D*)
- Experienced in *Git* (*GitHub* und *GitLab*)
- Experienced in Snap
- Experienced in graphics editing and cutting software (e.g. *Inkscape*, *OBS*, *Shortcut*)
- Basic Skills in *Python*
- Basic Skills in *SQL*

Languages:

- German (native)
- English (fluent)
- Spanish (basics)

Others:

- Car driving license (German, class B)
- Sport boat license (SBF-See)

REFERENCES

Dr. Michael Kuhwald

Postdoc at the Institute for Landscape Ecology and Geoinformation
Department of Geography, Kiel University
Ludewig-Meyn-Str. 8, 24118 Kiel
Phone: +49 431 880 2057
Mail: kuhwald@geographie.uni-kiel.de

Dr. Bastian Steinhoff-Knopp

Coordination Unit Climate and Soil
Thuenen Institute
Bundesallee 49, 38116 Braunschweig
Phone: +49 531 596 1112
Mail: bastian.steinhoff-knopp@thuenen.de

Professor Dr. Athanasios Vafeidis

Group Leader Coastal Risks & Sea-level Rise
Department of Geography, Kiel University
Ludewig-Meyn-Str. 8, 24118 Kiel
Phone: +49 431 880 2946
Mail: vafeidis@geographie.uni-kiel.de

Professor Dr. Eileen Eckmeier

Group Leader Team Geoarchaeology and Environmental Hazards
Director of the Institute for Ecosystem Research, Kiel University
Olshausenstrasse 75, 24118 Kiel
Phone: +49 431 880 6868
Mail: eeckmeier@ecology.uni-kiel.de

ALLEGATO V Curriculum e lista delle pubblicazioni non firmate

Saeed Shojaei

Overview

- PhD in the field of natural resources
- researcher experience on hydrology and water quality
- Total working experience of 10 years in different laboratories in Iran
- Total teaching experience of 6 years in Sweden, Iran and Turkey
- Interdisciplinary skill sets in advanced modeling methods, RS & GIS, soil and water analysis, and climate change

Appointments

Researcher (soil erosion)

1/2021-present

Location: University of Tehran, Iran

Education

PhD in Natural Resources

9/2015-10/2020

Location: Yazd University, Iran

Advisors: Prof. M. Hakimzadeh & Prof. H. Sodaiezhadeh & Prof. M. Jafari

Thesis: New laboratory techniques in making organic-mineral mulch to control wind and water erosion and its use in global scale

MSc in Range and Watershed Management

9/2012 – 10/2014

Location: University of Tehran, Iran

Advisors: Prof. M. Jafari & Prof. Gh. R. Zehtabian & Prof. H. Khosravi

Thesis: The effect of Unconventional water utilization on soil reclamation or destruction in arid areas

BSc in Natural Resource Management

9/2007- 9/2012

Location: University of Zabol, Iran

Awards

Ranked among the top 1% in Iranian University Entrance Exam (Masters: 2012-2013)

Ranked among the top 1% in Iranian University Entrance Exam (PhD: 2014-2015)

Ranked 5th in the Mathematical Olympiad (2003-2004)

Patent

Reduce water consumption (Bathtub Multifunction)

Professional Skills

Python, MATLAB, GIS & RS, ENVI, IDRISI, ArcView, SPSS, Expert choose, Design Expert, Fractalyse, Genxpro (GP & GEP), HEC_HMS, Auto CAD, SAS, Google earth, ELWIS

Funding

Research grant from University of Tehran, Iran

1/2021-present

PhD scholarship from Yazd University, Iran

9/2015-10/2020

Publications

56. Shojaei, S., Kalantari, Z., & Rodrigo-Comino, J. (2020). Prediction of factors affecting activation of soil erosion by mathematical modeling at pedon scale under laboratory conditions. *Scientific Reports*, 10(1), 1-12.
57. Shojaei, S., Ardakani, M. A. H., & Sodaiezhadeh, H. (2020). Simultaneous optimization of parameters influencing organic mulch test using response surface methodology. *Scientific reports*, 10(1), 1-11.
58. Shojaei, S., Ardakani, M. A. H., Sodaiezhadeh, H., Jafari, M., & Afzali, S. F. (2021). New laboratory techniques (novel) in making organic-mineral mulch to control wind and water erosion and its use in global scale. *Spatial Information Research*, 29(1), 97-107.
59. Aliabad, F. A., Zare, M., Solgi, R., Shojaei, S. Comparison of neural network methods (fuzzy ARTMAP, Kohonen and Perceptron) and maximum likelihood efficiency in preparation of land use map. *GeoJournal* (2022). <https://doi.org/10.1007/s10708-022-10744-y>
60. Manzouri, F., Zare, M., & Shojaei, S. (2022). Exploring the potential of spatial artificial neural network in estimating topsoil salinity changes of in arid lands. *Spatial Information Research*, 1-12.
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62. Shojaei, S., Ashofteh, P., Dwijendra, N. K. A., Melesse, A. M., Shahvaran, A. R., Shojaei, S., & Homayoonnezhad, I. (2022). Impacts on Global Temperature During the First Part of 2020 Due to the Reduction in Human Activities by COVID-19. *Air, Soil and Water Research*, 15, 11786221221101901.

63. Ardakani, A. H. H., **Shojaei**, S., Shahvaran, A. R., Kalantari, Z., Cerdà, A., & Tiefenbacher, J. (2022). Selecting potential locations for groundwater recharge by means of remote sensing and GIS and weighting based on Boolean logic and analytic hierarchy process. *Environmental Earth Sciences*, 81(1), 1-19.
64. Mansourmoghaddam, M., Ghafarian Malamiri, H. R., Arabi Aliabad, F., Fallah Tafti, M., Haghani, M., & **Shojaei**, S. (2022). The Separation of the Unpaved Roads and Prioritization of Paving These Roads Using UAV Images. *Air, Soil and Water Research*, 15, 11786221221086285.
65. Aliabad, F. A., Malamiri, H. R. G., **Shojaei**, S., Sarsangi, A., Ferreira, C. S. S., & Kalantari, Z. (2022). Investigating the Ability to Identify New Constructions in Urban Areas Using Images from Unmanned Aerial Vehicles, Google Earth, and Sentinel-2. *Remote Sensing*, 14(13), 3227.
66. Aliabad, F.A.; **Shojaei**, S.; Mortaz, M.; Ferreira, C.S.S.; Kalantari, Z. Use of Landsat 8 and UAV Images to Assess Changes in Temperature and Evapotranspiration by Economic Trees following Foliar Spraying with Light-Reflecting Compounds. *Remote Sens.* 2022, 14, 6153. <https://doi.org/10.3390/rs14236153>
67. Yang, J., **Shojaei**, S., & **Shojaei**, S. (2022). Removal of drug and dye from aqueous solutions by graphene oxide: Adsorption studies and chemometrics methods. *NPJ Clean Water*, 5(1), 1-10.
68. Purabadeh, A., Mehdizadeh, B., **Shojaei**, S., Farahani, M. D., & **Shojaei**, S. (2022). Synthesis of zero-valent iron nanoparticles for ultrasonic assisted dye removal: Modeling and optimization. *Iranian Journal of Public Health*, 51(2), 471.
69. **Shojaei**, S., Jafarpour, A., **Shojaei**, S., Gyasi-Agyei, Y., & Rodrigo-Comino, J. (2021). Heavy metal uptake by plants from wastewater of different pulp concentrations and contaminated soils. *Journal of Cleaner Production*, 296, 126345.
70. **Shojaei**, S., **Shojaei**, S., Band, S. S., Farizhandi, A. A. K., Ghorogi, M., & Mosavi, A. (2021). Application of Taguchi method and response surface methodology into the removal of malachite green and auramine-O by NaX nanozeolites. *Scientific reports*, 11(1), 1-13.
71. Pourabadeh, A., Baharinikoo, L., Nouri, A., Mehdizadeh, B., & **Shojaei**, S. (2021). The optimisation of operating parameters of dye removal: application of designs of experiments. *International Journal of Environmental Analytical Chemistry*, 101(9), 1320-1329.
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73. **Shojaei**, S., **Shojaei**, S., Nouri, A., & Baharinikoo, L. (2021). Application of chemometrics for modeling and optimization of ultrasound-assisted dispersive liquid-liquid microextraction for the simultaneous determination of dyes. *NPJ Clean Water*, 4(1), 1-8.
74. **Shojaei**, S., Nouri, A., Baharinikoo, L., Farahani, M. D., & **Shojaei**, S. (2021). Removal of the hazardous dyes through adsorption over nanozeolite-X: Simultaneous model, design and analysis of experiments. *Polyhedron*, 196, 114995.
75. **Shojaei**, S., & **Shojaei**, S. (2021). Optimization of process conditions in wastewater degradation process. In *Soft Computing Techniques in Solid Waste and Wastewater Management* (pp. 381-392). Elsevier.
76. Pourabadeh, A., Baharinikoo, L., **Shojaei**, S., Mehdizadeh, B., Davoodabadi Farahani, M., & **Shojaei**, S. (2020). Experimental design and modelling of removal of dyes using nano-zero-valent iron: a simultaneous model. *International Journal of Environmental Analytical Chemistry*, 100(15), 1707-1719.
77. Forozan, G., Elmi, M. R., Talebi, A., Mokhtari, M. H., & **Shojaei**, S. (2020). Temporal-spatial simulation of landscape variations using combined model of markov chain and automated cell. *KN-Journal of Cartography and Geographic Information*, 70(2), 45-53.
78. Nhu, V. H., Rahmati, O., Falah, F., **Shojaei**, S., Al-Ansari, N., Shahabi, H., ... & Ahmad, B. B. (2020). Mapping of groundwater spring potential in karst aquifer system using novel ensemble bivariate and multivariate models. *Water*, 12(4), 985.
79. Mehr, H. V., Saffari, J., Mohammadi, S. Z., & **Shojaei**, S. (2020). The removal of methyl violet 2B dye using palm kernel activated carbon: thermodynamic and kinetics model. *International Journal of Environmental Science and Technology*, 17(3), 1773-1782.
80. Ardakani, A. H. H., **Shojaei**, S., Siasar, H., & Ekhtesasi, M. R. (2020). Heuristic evaluation of groundwater in arid zones using remote sensing and geographic information system. *International Journal of Environmental Science and Technology*, 17(2), 633-644.
81. **Shojaei**, S., Ardakani, M. A. H., Sodaiezhadeh, H., Jafari, M., & Afzali, S. F. (2019). Optimization using response surface method (RSM) to investigate the compaction of mulch. *Modeling Earth Systems and Environment*, 5(4), 1553-1561.
82. **Shojaei**, S., Ardakani, M. A. H., & Sodaiezhadeh, H. (2019). Optimization of parameters affecting organic mulch test to control erosion. *Journal of environmental management*, 249, 109414.
83. Rastegaripour, F., Saboni, M. S., **Shojaei**, S., & Tavassoli, A. (2019). Simultaneous management of water and wastewater using ant and artificial neural network (ANN) algorithms. *International Journal of Environmental Science and Technology*, 16(10), 5835-5856.
84. Piri, I., Moosavi, M., Taheri, A. Z., Alipur, H., **Shojaei**, S., & Mousavi, S. A. (2019). The spatial assessment of suitable areas for medicinal species of Astragalus (*Astragalus hypsogeton* Bunge) using the Analytic Hierarchy Process (AHP) and Geographic Information System (GIS). *The Egyptian Journal of Remote Sensing and Space Science*, 22(2), 193-201.
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86. Arabi Aliabad, F., **Shojaei**, S., Zare, M., & Ekhtesasi, M. R. (2019). Assessment of the fuzzy ARTMAP neural network method performance in geological mapping using satellite images and Boolean logic. *International journal of environmental science and technology*, 16(7), 3829-3838.
87. Aliabad, F. A., & **Shojaei**, S. (2019). The impact of drought and decline in groundwater levels on the spread of sand dunes in the plain in Iran. *Sustainable Water Resources Management*, 5(2), 541-555.

88. Shojaei, S., **Shojaei, S.**, & Pirkamali, M. (2019). Application of Box–Behnken design approach for removal of acid black 26 from aqueous solution using zeolite: modeling, optimization, and study of interactive variables. *Water Conservation Science and Engineering*, 4(1), 13-19.
89. Poudineh, Z., Fakheri, B. A., Sirosmehr, A. R., & **Shojaei, S.** (2018). Genetic and morphological diversity of fennel by using ISSR marker and biplot analysis. *Indian Journal of Plant Physiology*, 23(3), 564-572.
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91. Poudineh, Z., Fakheri, B. A., Sirosmehr, A. R., & **Shojaei, S.** (2018). Effect of drought stress on the morphology and antioxidant enzymes activity of *Foeniculum vulgare* cultivars in Sistan. *Indian Journal of Plant Physiology*, 23(2), 283-292.
92. **Shojaei, S.**, Alipur, H., Ardakani, A. H. H., Nasab, S. N. H., & Khosravi, H. (2018). Locating *Astragalus hypsogeton* Bunge appropriate site using AHP and GIS. *Spatial Information Research*, 26(2), 223-231.
93. Fathizad, H., Tazeh, M., Kalantari, S., & **Shojaei, S.** (2017). The investigation of spatiotemporal variations of land surface temperature based on land use changes using NDVI in southwest of Iran. *Journal of African Earth Sciences*, 134, 249-256.
94. Eslami, Z., **Shojaei, S.**, & Hakimzadeh, M. A. (2017). Exploring prioritized sub-basins in terms of flooding risk using HEC_HMS model in Eskandari catchment, Iran. *Spatial Information Research*, 25(5), 677-684.
95. **Shojaei, S.**, & **Shojaei, S.** (2017). Experimental design and modeling of removal of Acid Green 25 dye by nanoscale zero-valent iron. *Euro-Mediterranean Journal for Environmental Integration*, 2(1), 1-7.
96. Khanamani, A., Fathizad, H., Karimi, H., & **Shojaei, S.** (2017). Assessing desertification by using soil indices. *Arabian journal of geosciences*, 10(13), 1-10.
97. Fathizad, H., Pakbaz, N., Sodaiezhadeh, H., & **Shojaei, S.** (2017). Exploring canola planting area using AHP associated with GIS in Meymeh–Zarinabad of Iran. *Spatial Information Research*, 25(3), 371-379.
98. Dehghani, A. A., Bahremand, A. R., & **Shojaei, S.** (2017). Intelligent estimation of flood hydrographs using an adaptive neuro–fuzzy inference system (ANFIS). *Modeling Earth Systems and Environment*, 3(1), 1-9.
99. **Shojaei, S.**, **Shojaei, S.**, & Sasani, M. (2017). The efficiency of eliminating Direct Red 81 by Zero-valent Iron nanoparticles from aqueous solutions using response surface Model (RSM). *Modeling Earth Systems and Environment*, 3(1), 1-7.
100. **Shojaei, S.**, Khammarnia, S., **Shojaei, S.**, & Sasani, M. (2017). Removal of reactive red 198 by nanoparticle zero valent iron in the presence of hydrogen peroxide. *Journal of Water and Environmental Nanotechnology*, 2(2), 129-135.
101. Cheshmidari, M. N., Hatefi Ardakani, A. H., Alipor, H., & **Shojaei, S.** (2017). Applying Delphi method in prioritizing intensity of flooding in Ivar watershed in Iran. *Spatial Information Research*, 25(2), 173-179.
102. Arast, M., Zehtabian, G., Jafari, M., Khosravi, H., & **Shojaei, S.** (2017). Effects of urban wastewater, saline water, and brackish water on some soil properties (case study: Qom Plain). *Iranian Journal of Range and Desert Research*, 23(3).
103. **Shojaei, S.**, & Jafari, M. (2017). Effects of irrigation with ABSAR supplement on the growth of *Panicum eruciferum*. *Iranian Journal of Range and Desert Research*, 24(2).
104. **Shojaei, S.**, Zehtabian, G., Jafari, M., & Khosravi, H. (2017). Evaluating the application of wastewater in different soil depths (Case study: Zabol). *Pollution*, 3(1), 113-121.
105. Piri, I., Khanamani, A., **Shojaei, S.**, & Fathizad, H. (2017). Determination of the best geostatistical method for climatic zoning in Iran. *Applied Ecology and Environmental Research*, 15(1), 93-103.
106. Alipur, H., Zare, M., & **Shojaei, S.** (2016). Assessing the degradation of vegetation of arid zones using FAO–UNIP model (case study: Kashan zone). *Modeling Earth Systems and Environment*, 2(4), 1-6.
107. Hamidy, N., Alipur, H., Nasab, S. N. H., Yazdani, A., & **Shojaei, S.** (2016). Spatial evaluation of appropriate areas to collect runoff using Analytic Hierarchy Process (AHP) and Geographical Information System (GIS)(case study: the catchment “Kasef” in Bardaskan. *Modeling Earth Systems and Environment*, 2(4), 1-11.
108. Arast, M., Zehtabian, G. H., Jafari, M., Khosravi, H., & **Shojaei, S.** (2016). Simulation of changes trend in soil chemical properties Irrigated with wastewater using Gene expression programming model. *Natural Ecosystems of Iran*, 7(2), 23-34.
109. Tavili, A., Arast, M., & **Shojaei, S.** (2016). Effect of different treatments on seed dormancy breaking and germination stimulation of *Ammodendron persicum*. *Iranian Journal of Seed Research*, 2(2).
110. **Shojaei, S.** (2016). Evaluation of pH and EC changes in wastewater application in different depths of soil. *J Res Ecol*, 4(2), 340-346.

Book

6. **Shojaei, S.** **Shojaei, S.** Optimization of process conditions in wastewater degradation process. (Elsevier Book)
Publication Date: 30-Sep-21 ISBN: 603284
7. **Shojaei, S.** **Shojaei, S.** R.R. Karri, Metal based adsorbents for the removal of emerging pollutants and its adsorption mechanisms. (Elsevier Book) Publication Date: 30-Nov-2022 ISBN: in process
8. **S Shojaei, I** Homayonnehzad. Soil Science In View of Natural Resources
Norouzi Press –Iran ISBN: 978-600-364-654-4
9. **I Hmayonnehzad, S Shojaei, S A** Mosavi, P Amirian. Soil and Water Analysis Laboratory Methods
Norouzi Press –Iran ISBN: 978-600-364-910-1
10. **S Shojaei, S A** Mosavi, N Pakbaz. General Soil, Water, Plant Relationship
Press –Iran ISBN: 978-600-364-530-1

Norouzi

Selected Conference Presentations

*Denote oral presentation

1. Nasiri, A., Shirokova, V., Zareie, S., & Shojaei, S. (2017). Assessment of the status and intensity of water erosion in the river basin Delichai (Iranian territory) using GIS model. *International Multidisciplinary Scientific GeoConference: SGEM*, 17, 89-96.
2. I Piri, S Shojaei, I Homayoonnezhad. Evaluation of Long-term Changes in Wastewater Application in Different Depths of Soil. 15th International Conference on Environmental Science and Technology Rhodes, Greece, 31 Aug to 2 Sep 2017 https://cest2017.gnest.org/sites/default/files/presentation_file_list/cest2017_00429_poster_paper.pdf

Teaching Experience

- Lecture, Payame Noor University. (2014-2018)
Course Level: Undergraduate.
Course Titles: Soil and water conservation, Weather and Climatology, Relationships between Livestock & Rangeland, Plant Identification Lab, Watershed, water and soil conservation, Applied Statistics and Probability, Forestry and etc.

International Collaborative Activities

- Creating course syllabus, Lund University (2019-2020)
Course Title: RS & GIS Applied to Changes in the Environment
Course Level: BSc, MSc and PhD

National Collaborative Activities

- Researcher manager, Islamic Azad University, Iran (2018-2019)
Iranian project funded from Islamic Azad University.
Project duties: Assessment the effect of using wastewater for reclamation or destruction of soil

Conference Organization

- Selected Conference Presentations
- 1. Scientific and the organizing committee for 3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2021 (IEACES2021), Karabuk University, Turkey
- 2. Member of the local organizing committee and reviewer 1st International Conference on Water Security 2018. 17 - 20 June 2018, Hyatt Regency Toronto, Toronto, Canada
- 3. Member of organizing committee for The 2nd International Conference on Computer Science and Application Engineering. October 22 to 24, 2018 in Hohhot, China (<http://www.csaconf.org/2018/OR.aspx>)
- 4. Scientific and the local organizing committee and reviewer for 4th International Conference on New findings in Agriculture Science, Natural Resources and the Environment. (Level 1) 17- June- 2018 Tehran (<http://newconf.ir/fa/>)

Journal Review Activities

Journal of Cleaner Production, Geography and Sustainability, Journal of Mountain Science, International Journal of Environmental Analytical Chemistry, Advances in Civil Engineering, Journal of Spatial Information Science, Earth Sciences Research Journal, Acta Geophysica, Hydrogeology Journal, Arabian Journal of Geosciences, Results in Engineering, Journal of Environment and Water Engineering, Coloration Technology, Environment Development and Sustainability, Egyptian Journal of Basic and Applied Sciences, International journal of Environmental Science and Technology, Spatial Information Research, Sustainable Water Resources Management, Frontiers in Plant Science, Environmental Monitoring and Assessment, Journal of Molecular Liquids, Cogent Engineering

Journal Editor

- Spatial Information Research
- Frontiers in Environmental Science

Additional Information

- Spoken and Written Languages: Farsi (mother tongue), English (fluent), Spanish (beginner)
- A valid driving licence.