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HOT NEWS

ISSUE 2, 2021



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Memorandum of understanding between IUSS and WASWAC was signed



There will be a new future for challenging soil resources use and management issues, to develop new knowledge, share experiences, and distribute knowledge and skills for the benefit of the whole world, based on completely communication, WASWAC and IUSS decided to sign the memorandum.

Both parties agree to use their best effort to promote the formal cooperation by obtaining the necessary support for envisaged activities, including organizing technical symposiums/workshops/seminars/meetings, holding training courses, defining and implementing research/studies/applied projects, dispatching experts and managers for exchanging, developing electronic communications, preparing technical and scientific reports, promoting and supporting the development of the educational projects, and so on.

It is very important that WASWAC and IUSS stand together and mutually reinforcing each other. This will be very helpful and useful for the development of both associations, for the proposing of effective solutions, and for the raising of public awareness on soil protection. There must be a very bright future for the cooperation.

Brief Introduction on IUSS:

The International Union of Soil Sciences (IUSS) is the global union of soil scientists. The objectives of the IUSS are to promote all branches of soil science, and to support all soil scientists across the world in the pursuit of their activities.

The Renewed Announcement of the WASWAC 3rd IYFSWC International Youth Forum on Soil and Water Conservation



In order to help the youth worldwide to play greater roles in the scientific research, technological development, and demonstration & popularization of soil and water conservation, encourage and support the young generation to undertake the historical responsibility entrusted by the times, and to achieve sustainable development in soil and water conservation, World Association of Soil and Water Conservation (WASWAC) will continue to organize the International Youth Forum on Soil and Water Conservation (IYFSWC) following the first two sessions, which were held successfully in Nanchang, China in October 2015 and Moscow, Russia in August 2018.

The third IYFSWC was aimed to be held at Tarbiat Modares University, Iran, during May 16-21, 2021, however, affected by the COVID-19 pandemic, international visits have been becoming difficult. Hence the forum was preliminary postponed to October 16-21, 2021, with the support from China Society of Soil and Water Conservation (CSSWC), Institute of Soil and Water Conservation of CAS and MWR (ISWC), Beijing Datum Technology Development Co., LTD., International Research and Training Center on Erosion and Sedimentation (IRTCES), Watershed Management Society of Iran, Gorgan University of Agricul-

tural Sciences & Natural Resources, Ministry of Agriculture-Jahad Agricultural Research, Education & Extension Organization (AREEO), and Iranian National Commission for UNESCO.

During the forum, the WASWAC will present the Outstanding Youth Paper Award (DATUM) 2021, which is set up by WASWAC especially for the outstanding young researchers under the age of 40. The winners will obtain the certificate issued by WASWAC and a \$1000 (USD) honorarium. By the deadline - Jan 31, 2021, 54 confirmed applications with full papers have been received (details at: <http://www.waswac.org.cn/waswac/LatestNews/webinfo/2021/02/1614557683794673.htm>), all of these manuscripts will soon move forward to the second phase of evaluation that will take about 2 months. The final result of awardees will be announced on the WASWAC website and website for the third IYFSWC.

As an important platform of academic progress presentation and to research ideas exchange, we sincerely invite worldwide scholars, students, and relevant enterprises engaged in the scientific research, technology development, management, teaching and training and engineering design of soil and water conservation, to participate in this forum to share your latest research or technology progress, with oral presentation or poster display either in virtual or onsite ways.

TIME & VENUE

October 16-21, 2021, Faculty of Natural Resources and Marine Sciences, Noor, IRAN

THEME

Soil and Water Conservation under Changing Environments

TOPICS

Smart Soil and Water Conservation

Adaptive Soil and Water Conservation

Youth Role in Soil and Water Conservation

Climate Change and Soil and Water Conservation

Soil and Water Conservation in Developing Countries

Performance Evaluation of Soil and Water Conservation Projects

Impacts and Possible Solutions of COVID-19 Pandemic on Soil and Water Conservation Practices

PROGRAM

Plenary Lectures by Keynote Speakers

Oral and Poster Sessions

Field Excursion

Cultural Programs During Welcome Reception

Post-conference Tours

Extra-program Special Workshops

Outstanding Youth Paper Award

KEY DATES

Registration Opening	July 15, 2020
Early Bird Submission	August 31, 2020
Outstanding Youth Paper Award Application Deadline	Jan 31, 2021 (has expired)
Abstract Submission Deadline	May 31, 2021

FEES

General Participant: 350 (student with valid certificate), 550 (regular) in EUR.

Discount for Early Bird: 50 EUR

Discount for WASWAC Member: 50 EUR

(Fee includes Domestic Transportation, Accommodation, Breakfast, Lunch, Dinner, e-proceedings, Coffee Breaks and Welcome Reception)

INFORMATION

<http://iyfswc.modares.ac.ir/>

<http://www.waswac.org.cn>



Confirmation of Valid Applications for WASWAC Youth Outstanding Paper Award (DATUM) 2021

By Jan 31, 2021, the WASWAC Youth Outstanding Paper Award 2021(YOPA 2021) received 51 confirmed applications with full papers (the list is shown below). The award will move forward to the second phase of evaluation that will take about 2 months. The final result of awardees will be announced on the WASWAC website and website for the Third International Youth Forum on Soil and Water Conservation (IYFSWC) in April 2021.

There are some key points that all applications need to pay special attention to.

- We have received 98 applications with abstract but only 51 applications with full paper were finally received. Only the applications with full paper received by the end of January are valid, as shown in the list at the end of this post.
- All awarded papers will be requested to submit to the official Journal of WASWAC International Soil and Water Conservation Research (ISWCR, IF=3.770). Therefore, please hold the listed paper for submission to journals other than ISWCR until the YOPA awardees are announced. If you have submitted or is planning to submit your YOPA nominated paper to ISWCR, please inform us the YOPA ID (WASWAC_YOPA_###) and the journal assigned ID through email to waswac-yopa@foxmail.com.
- If the paper finally awarded was submitted to other journals before the announcement of the award result, the award will be rescinded. The papers rejected by ISWCR and then submitted to other journals are exempted from this requirement.
- The evaluation of YOPA and review of ISWCR is independent of each other.

Contacts:

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Dr. Abdulvahed Khaledi Darvishan

waswac-yopa@foxmail.com

IYFSWC <http://iyfswc.modares.ac.ir/>

WASWAC <http://www.waswac.org.cn/>



List of Valid YOPA Applications (alphabetical order by first name)

Name	Title of presentation	Paper ID
Abbas Bahrami	Evaluation of Wetting Front Detector (WFD) to Estimate the Dimensions of Wetting Front in the Drip Irrigation	WASWAC_YOPA_059
Abrar Yousuf	Development and Application of Spatially Distributed Runoff and Sediment Yield Model	WASWAC_YOPA_051
Ajay Kumar Mishra	Farmers Perspectives on Determinants of and for Adoption Conservation Agriculture Practices in Western versus Eastern Indo-Gangetic Plains of India	WASWAC_YOPA_026
Aleksandar Baumgertel	The spatiotemporal analysis of the future sensitivity to wind erosion in the Republic of Serbia using ensemble of the regional climate models	WASWAC_YOPA_024
Azim Paybast	Investigating the possibility of establishing a people-centered farming system from economic, social, technical, legal, executive and environmental aspects in the irrigation and drainage network and evaluating the acceptance rate by stakeholders (Kermanshah Miandarband)	WASWAC_YOPA_089
Chen WANG	A Reliability-Based Approach to Evaluate Scour around Bridge Foundations Considering Parametric Uncertainties	WASWAC_YOPA_006
Chunmei Wang	Unpaved Road Erosion after Heavy Storm in Mountain Area of Northern China	WASWAC_YOPA_013
Ebad Rouhi	Challenges of the Iranian Legal System Related to Soil and Water Conservation	WASWAC_YOPA_038
Ehsan Sharifi Moghadam	Introduction and Application of Soil-Water-Energy-Food Nexus Approach for Designating Sustainable Agricultural Management Pattern at Watershed Scale	WASWAC_YOPA_060
Fatemeh Sadighi	Rainfed Agriculture and Slope Gradient Interactions in Soil Erosion and Redistribution Using ¹³⁷ Cs	WASWAC_YOPA_042
Ghasem Rahimi	Application of thiourea modified biochar derived from potato peel for enhanced adsorption of Pb and Ni in contaminated acidic soil	WASWAC_YOPA_036
Haiyan Zheng	Is the runoff coefficient increasing or decreasing after ecological restoration on China's Loess Plateau?	WASWAC_YOPA_014
Hamid reza Azizi	Predicting land subsidence based on groundwater level changes and using radar interferometry (InSAR) technique and regression statistical equations (Case study: Varamin plain)	WASWAC_YOPA_062
Hero Mohammadamini	Splash Measurement Tools; A Statistical Comparison	WASWAC_YOPA_079
Iman Homayoonzhad	Aquatic Monitoring program design in No.1 Chah-Nimeh Reservoir of Iran	WASWAC_YOPA_103
Iman Islami	Factors Affecting Rural participation in Watershed Management Plans in Ziarat Watershed, Golestan Province, Iran	WASWAC_YOPA_074
Jian Guo	Prediction Model for Shallow Slide Erosion of Subalpine Meadow Soil on Eastern Tibetan Plateau	WASWAC_YOPA_025
Khadijeh Haji	Identification of erosion critical areas based on soil erodibility and terrain influence factors in the Iranian part of the Caspian Sea Basin	WASWAC_YOPA_088

List of Valid YOPA Applications (alphabetical order by first name)

Name	Title of presentation	Paper ID
Leila Gholami	Effect of Vermicompost and Nano-Manure on Time Variation of Runoff and Soil Loss in Various Initial Soil Moisture Contents at Plot Scale	WASWAC_YOPA_040
Luca Mauri	Modelling multi-temporal overland flow dynamics in a terraced andscape characterized by road-induced shallow landslides	WASWAC_YOPA_100
M.S. Shafeeyan	An Overview on the Performance of a Three Stages Treatment Process for the Removal of Hazardous Effluents from Wastewater	WASWAC_YOPA_050
Majid Danesh	Investigation of sand content using laboratory diffuse reflectance spectroscopy	WASWAC_YOPA_085
Mladen Marković	Use of Flash Flood Potential Index (FFPI) method for assessing the risk of roads to the occurrence of torrential floods - Danube basin	WASWAC_YOPA_019
Mohammadali Hadian Amri	Delineation of landslide clusters using Depth-Number fractal model	WASWAC_YOPA_101
Mohammadtaghi Avand	Introducing a new approach for smart soil erosion modeling: Integration of empirical and machine learning models	WASWAC_YOPA_098
Moien Jahantigh	Investigating the effects of irrigation methods on the establishment of fruitful and drought tolerant plants in arid region (Case study: Nimroz city)	WASWAC_YOPA_102
Mostafa Moradi Dashtpajardi	Indirect Estimation of Suspended Sediment Concentration using Image Processing	WASWAC_YOPA_053
motahareh Esfandiari	An Investigation of Soil condition in N, P, K Uptake by Trees	WASWAC_YOPA_064
Nikola Živanović	Construction and calibration of a portable rain simulator designed for in situ researches of soil resistance to erosion	WASWAC_YOPA_046
Polina Sayranova	Acid footprint in burozems of the Middle Urals	WASWAC_YOPA_055
Predrag Miljković	The Use of Accuracy Data in Soil Loss Assessment: Biased and Unbiased Estimation	WASWAC_YOPA_047
Qianqian Ji	Changes in the Erosion Transportation Processes in Highly Managed Small Watersheds Caused by Gully Land Consolidation Projects in the Loess Hilly-Gully Region, China	WASWAC_YOPA_048
Reza Zakerinejad	Spatial Distribution of Water Erosion Using Stochastic Modeling in the Southern Isfahan Province, Iran	WASWAC_YOPA_029
Sara Parvizi	Estimation of soil erosion using remote sensing	WASWAC_YOPA_080
Sedigheh Anvari	Land Cover Classification Using Landsat Images and Pixel-Based Methods	WASWAC_YOPA_072
Atefeh Jafarpour	Changes in Hydrologic Components from a Mid-Sized Plots due to Cyanobacterization	WASWAC_YOPA_065
Sezai Ercisli	Hippophae rhamnoides spp.: Multipurpose use for environmental value	WASWAC_YOPA_105

List of Valid YOPA Applications (alphabetical order by first name)

Name	Title of presentation	Paper ID
Shachi Pandey	Predicting shift in soil erosion vulnerability status based on water quality in lesser Himalayan watershed	WASWAC_YOPA_020
Shahin Mohammadi	Simulating the effects of land use-land cover changes on soil erosion using RUSLE model (Karkheh basin, Iran)	WASWAC_YOPA_095
Sudabeh Gharemahmudli	Controlling Enhanced Surface Runoff Components Resulted from a Freezing-Thawing Cycle through Inoculating of Soil Microorganisms	WASWAC_YOPA_003
Tianyu Sun	Adsorption-desorption kinetics and phosphorus loss function in erosive weathered granite soil: Stirred flow chamber experiments	WASWAC_YOPA_018
Tingting Liu	Development characteristics of preferential flow affected by rock boundary in the Karst Rocky Desertification Area	WASWAC_YOPA_016
Vahid Moosavi	Toward Linking Landscape Metrics and Environmental Variables for Runoff Modelling and Assessment	WASWAC_YOPA_061
Xingna Lin	Transport Characteristics and Morphology of Wind Eroded Sediment	WASWAC_YOPA_023
Yanhong Wei	Evolution of historical sediment yield by taking check-dam systems as carrier: a case study in a restored agricultural catchment on the Loess Plateau, China	WASWAC_YOPA_009
Yiben Cheng	Direct Observation of Characteristics of Precipitation Redistribution after Vegetation Reconstruction in Semi-arid Regions of China	WASWAC_YOPA_017
Ying Zhao	Modeling hydrologic responses using multi-site and single-site rainfall generators in a semi-arid watershed	WASWAC_YOPA_022
Yue Li	Study and evaluation of soil and water conservation function in karst small watershed	WASWAC_YOPA_011
Yuhan Huang	Correction of measurement errors on sediment concentration sampled by stirring-sampling method from traditional runoff collection tanks	WASWAC_YOPA_012
Zeinab Hazbavi	Smart Monitoring Tools for Effective Soil and Water Conservation	WASWAC_YOPA_027
Zeinab Mirzaie	Evaluation of the efficiency of an agro-hydrological analog model in simulating the discharge of surface and underground drainages by considering the Run-On concept (3rd IYFSWC)	WASWAC_YOPA_099

International Forum on Land Degradation, Soil Conservation and Sustainable Development, 2021 (LASOSU2021) – The Second Circular

1. THEME

Green Mountain & Clear Water

2. INTRODUCTION

The International Forum on Land Degradation, Soil Conservation and Sustainable Development, 2021 (LASOSU2021) will be held on 21-23 August 2021 in Dalian, China, to provide an avenue for scientists to discuss pressing issues on soil loss facing our profession and society. The forum is hosted by World Association of Soil and Water Conservation, Italian Association of Agricultural Engineering (Italy) and Soil Erosion Division of CSWCS (China) and organized by Dalian University of Technology (China) and the University of Padova (Italy). Thirteen other famous institutes are also involved in co-organizing the conference, including the Institute of Soil and Water Conservation of CAS & MWR (China), Beijing Normal University (China), Huazhong Agricultural University (China), Xi'an University of Technology (China), Italian Association for Soil and Water Bioengineering (Italy), Beijing Forestry University (China), Tsinghua University (China), Key Laboratory of Process and Control of Soil Loss on the Loess Plateau (China), Shandong Agricultural University (China), Southwest University (China), Fujian Agriculture and Forestry University (China), Yunnan University (China), Shandong Division of CSWCS (China). The academic committee consists of 30 outstanding scientists in the field of soil conservation and sustainable development, of which 5 of them are academicians. Nine keynote sessions and 20 specific sessions will be held in the forum. The website of LASOSU2021 is shown at http://meeting.dlut.edu.cn/meeting/index_en.asp?id=2710.

3. TOPICS

Soil Conservation in Construction of the Belt and Road

Soil Conservation and Sustainable Development

Nature-based Solutions for Soil and Water Conservation

Remote Sensing and Big Data in Land Degradation Analysis



Federico Preti (Italy)	Giacomo Scarascia Mugnozza (Italy)
Guanghai Zhang (China)	Manuel Esteban Lucas Borja (Spain)
Vito Ferro (Italy)	Wenlong Wang (China)
Xiangzhou Xu (China)	Xiaoying Liu (China)
Yu Tang (China)	Zhihua Shi (China)

6. HOSTS AND ORGANIZERS

(1) Hosts

World Association of Soil and Water Conservation
Italian Association of Agricultural Engineering (Italy)
Soil Erosion Division, CSWCS (China)

(2) Organizers

Dalian University of Technology (China)
University of Padova (Italy)

(3) Co-organizers

Institute of Soil and Water Conservation, CAS & MWR (China)
Beijing Normal University (China)
Huazhong Agricultural University (China)
Xi'an University of Technology (China)
Italian Association for Soil and Water Bioengineering (Italy)
Beijing Forestry University (China)
Tsinghua University (China)
Key Laboratory of Process and Control of Soil Loss on the Loess Plateau (China)
Shandong Agricultural University (China)
Southwest University (China)
Fujian Agriculture and Forestry University (China)
Yunnan University (China)
Shandong Division, CSWCS (China)

7. REGISTRATION

(1) Personal data

Please fill in the form entitled Participant information ([Accessory 1](#)), and send your personal data to the conference team via the email xz xu2018@126.com. A prompt response will be received after the submission, and then you may pay the registration fee.

(2) Registration fee

The registration will be completed after the registration fee has been paid.

Here is the registration fee for a participant attending LASOSU2021 on-site in Dalian, which is the same as that announced in the first circular:

Participant	Early bird (before/on 22 May 2021)	Regular registration (after 22 May 2021)
Regular participant	€250 (CNY ¥2000)	€288 (CNY ¥2300)
Student or accompanying person	€150 (CNY ¥1200)	€188 (CNY ¥1500)

The registration fee includes access to the conference and parallel sessions, lunch and refreshment breaks as scheduled in the conference program, and symposium dinner. The accommodation during the conference will be arranged at your own expense.

- **If LASOSU2021 were held completely online in case of force majeure factors, e.g. COVID-19, the conference team would refund the registration fee that you have paid.**
- If the participants outside of China could not come to China due to COVID-19, they would be permitted to participate in the conference online with no registration fee.
- The payment method of the registration fee will be announced at the beginning of this March.

8. CALL FOR PAPERS

(1) Scope

All research articles and review papers related to the conference topics are anticipated. LASOSU2021 includes 9 keynote sessions and 20 specific sessions ([Accessory 2](#)). The authors may prefer the session fit for their papers. Outstanding presentations, posters and papers will be

awarded in LASOSU2021. The distinguished papers will be recommended to publish in the international journal International Soil and Water Conservation Research. The papers already published in the journal will be given priority for the award of the LASOSU2021 outstanding paper.

(2) Guidelines for submission

An abstract is required before the submission of the full paper. The email address for the abstract submissions is xz xu2018@126.com, and the template of the abstract is shown in [Accessory 3](#). The duration to collect the abstracts and full papers is from 8 February 2021 to 31 March 2021 and from 8 April 2021 to 22 May 2021. After submission, a confirmation mail will be received by the corresponding author.

(3) Oral/Poster presentation

Please make sure that you have selected the presentation type to which your abstract belongs. All papers will be peer-reviewed, and the list of oral and poster presentations will be published in the third circular.

9. SCHEDULE

(1) Meeting

21 August 2021	Arrival
22-23 August 2021	Opening Ceremony, Scientific Sessions, and Closing Ceremony

(2) Important Dates

March 31, 2021	Due date for abstract submission
May 22, 2021	Due date for full paper submission
May 22, 2021	Due date for early-bird registration
August 21, 2021	Due date for registration
August 21, 2021	Arrival

10 Why sponsor?

One platform, many connections. As a conference sponsor, you'll be able to: (i) strengthen your business and maximize your influence through corporate visibility, connect with leading experts, showcase new solutions and establish new strategic partners and clients; and (ii) exhibit and distribute your marketing, business development and promotional materials. The conference will adhere to mutual benefit and win-win cooperation while discussing sponsorship matters with the sponsors. We provide promotion of your brand in the conference materials ([Accessory 4 Call for sponsoring](#)). For further information, please contact us: xz xu2018@126.com.

11. CONTACTS

(1) Dalian University of Technology (China)

Mailbox of the conference team: xz xu2018@126.com.

Professor Xiangzhou Xu: +86 411 84708946, xz xu@dlut.edu.cn.

(2) University of Padova (Italy)

Professor Paolo Tarolli: +39 049 8272677, paolo.tarolli@unipd.it.

(3) World Association of Soil and Water Conservation

Dr. Pengfei Du: +86 10 68786579, waswac@foxmail.com.

Accessories:

Accessory 1 Participant information

Accessory 2 Sessions in LASOSU2021

Accessory 3 Abstract template

Accessory 4 Call for sponsoring

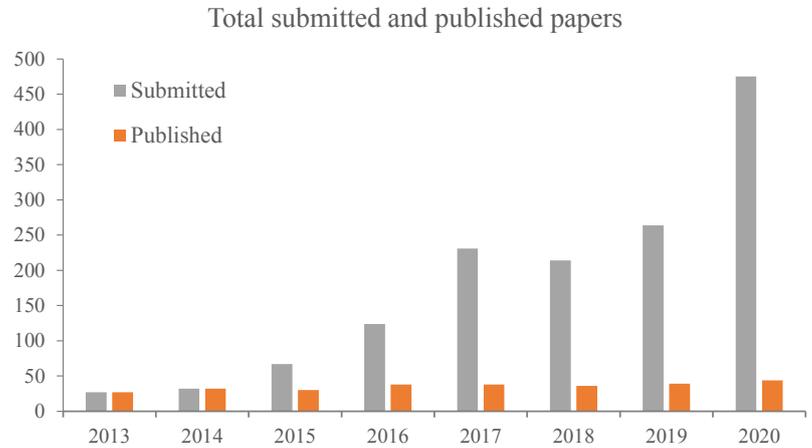
Accessories can be downloaded at:

<http://www.waswac.org.cn/waswac/LatestNews/webinfo/2021/02/1614557512241035.htm>

Updated Submission Data of ISWCR in February 2021

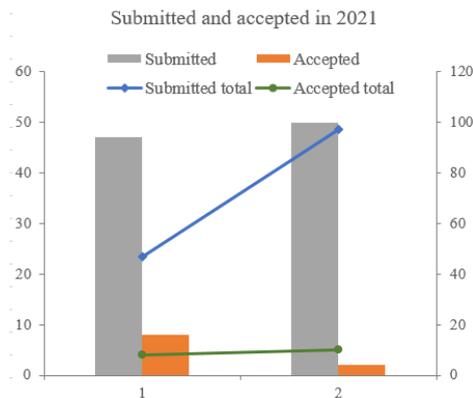
Annual Volume of Submissions and Publishing since 2013

Year	Published	Submitted
2013	27	27
2014	32	32
2015	30	67
2016	38	124
2017	38	231
2018	36	214
2019	39	264
2020	44	475



Monthly Submissions & Acceptance in the current year (2021)

Month	Submitted	Accepted
1	47	8
2	50	2



The International Soil and Water Conservation Research (ISWCR), initiated in June 2013, is a quarterly academic journal in English and publishes in Science Direct of Elsevier with open access globally. Since initiation, ISWCR has developed rapidly and established a good reputation in both international academia and publishing industry. It was indexed by Chinese Science Citation Database (CSCD) in April 2015, covered by SCOPUS in January 2017, and was indexed by Emerging Sources Citation Index (ESCI) of Clarivate Analytics in October 2017. In July 2019, ISWCR was officially indexed by SCIE and **the first impact factor, obtained in June 2020, is 3.770.**

Contents of Issue 4, 2020 for ISWCR

Evaluation of soil erosion risk and identification of soil cover and management factor (C) for RUSLE in European vineyards with different soil management

M. Biddoccu, G. Guzmán, G. Capello, T. Thielke, ... J.A. Gómez

Pages 337-353

<https://www.sciencedirect.com/science/article/pii/S2095633920300484>

Assessing spatial variability and erosion susceptibility of soils in hilly agricultural areas in Southern Italy

Carmen Maria Roskopf, Erika Di Iorio, Luana Circelli, Claudio Colombo, Pietro P.C. Aucelli

Pages 354-362

<https://www.sciencedirect.com/science/article/pii/S2095633920300733>

Impacts of horizontal resolution and downscaling on the USLE LS factor for different terrains

Chunmei Wang, Linxin Shan, Xin Liu, Qinke Yang, ... Guowei Pang

Pages 363-372

<https://www.sciencedirect.com/science/article/pii/S2095633920300538>

Effect of time resolution of rainfall measurements on the erosivity factor in the USLE in China

Tianyu Yue, Yun Xie, Shuiqing Yin, Bofu Yu, ... Wenting Wang

Pages 373-382

<https://www.sciencedirect.com/science/article/pii/S2095633920300393>

The use of remote sensing to detect the consequences of erosion in gypsiferous soils

Maria Jose Marques, Ana Alvarez, Pilar Carral, Blanca Sastre, Ramón Bienes

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<https://www.sciencedirect.com/science/article/pii/S2095633920300769>

Assessment of deforestation impact on soil erosion in loess formation using ¹³⁷Cs method (case study: Golestan Province, Iran)

Mohammadreza Gharibreza, Mohammad Zaman, Paolo Porto, Emil Fulajtar, ... Hossein Eisaei

Pages 393-405

<https://www.sciencedirect.com/science/article/pii/S2095633920300514>

Integrated nuclear techniques for sedimentation assessment in Latin American region

José Luis Peralta Vital, Reinaldo Honorio Gil Castillo, Yanna Llerena Padrón, Yusleidy Milagro Cordovi Miranda, ... Leroy Alonso Pino

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<https://www.sciencedirect.com/science/article/pii/S2095633920300411>

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Use of geochemical fingerprints to trace sediment sources in an agricultural catchment of Argentina

Romina Torres Astorga, Yanina Garcias, Gisela Borgatello, Hugo Velasco, ... Lionel Mabit
Pages 410-417

<https://www.sciencedirect.com/science/article/pii/S2095633920300812>

Soil erosion: An important indicator for the assessment of land degradation neutrality in Russia

Petr Tsymbarovich, German Kust, Mikhail Kumani, Valentin Golosov, Olga Andreeva
Pages 418-429

<https://www.sciencedirect.com/science/article/pii/S209563392030040X>

The assessment of soil loss by water erosion in China

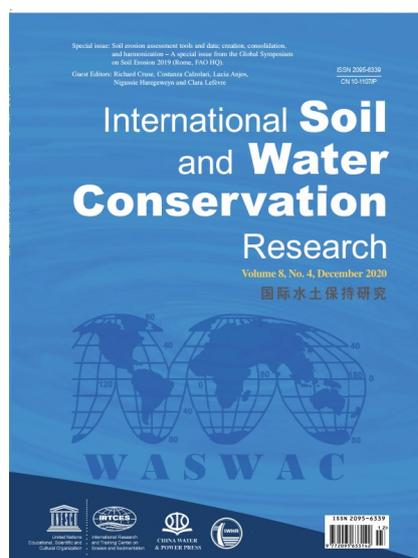
Baoyuan Liu, Yun Xie, Zhiguang Li, Yin Liang, ... Qiankun Guo
Pages 430-439

<https://www.sciencedirect.com/science/article/pii/S2095633920300472>

Study on a soil erosion sampling survey in the Pan-Third Pole region based on higher-resolution images

Qinke Yang, Mengyang Zhu, Chunmei Wang, Xiaoping Zhang, ... Lihua Yang
Pages 440-451

<https://www.sciencedirect.com/science/article/pii/S2095633920300502>



Contents of Issue 1, 2021 for IJSR

Papers Published in the *International Journal of Sediment Research* Volume 36, No. 1, 2021
Pages 1-163 (February 2021)

Numerical investigation of the effect of seasonal variations of depth-of-closure on shoreline evolution

Xuan Tinh Nguyen, Minh Thanh Tran, Hitoshi Tanaka, Trung Viet Nguyen, Yuta Mitobe, Cong Dien Duong
Pages 1-16

Experimental assessment and prediction of temporal scour depth around a spur dike

Manish Pandey, Manousos Valyrakis, Meilan Qi, Anurag Sharma, Ajay Singh Lodhi
Pages 17-28

Effect of shrub-grass vegetation coverage and slope gradient on runoff and sediment yield under simulated rainfall

Dandan Han, Jingcheng Deng, Chaojun Gu, Xingmin Mu, Peng Gao, Jianjian Gao
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Coupled and splitting bedload sediment transport models based on a modified flux-wave approach

Hossein Mahdizadeh, Soroosh Sharifi
Pages 38-49

Sensitivity analysis of influencing parameters on slit-type barrier performance against debris flow using 3D-based numerical approach

Minseop Kim, Seungrae Lee, Tae-Hyuk Kwon, Shin-Kyu Choi, Jun-Seo Jeon
Pages 50-62

Temporal trends of hydro-climatic variables and their relevance in water resource management

Karim Solaimani, Mahmoud Habaibnejad, Abdollah Pirnia
Pages 63-75

Suspended sediment yield modeling in Mahanadi River, India by multi-objective optimization hybridizing artificial intelligence algorithms

Arvind Yadav, Snehamoy Chatterjee, Sk Md Equeenuddin
Pages 76-91

From dredged sediment to supplementary cementitious material: characterization, treatment, and reuse

Mouhamadou Amar, Mahfoud Benzerzour, Joelle Kleib, Nor-Edine Abriak
Pages 92-109

Contents of Issue 1, 2021 for IJSR

Sediment organic matter source estimation and ecological classification in the semi-enclosed Batan Bay Estuary, Philippines

Yuya Ogawa, Yuki Okamoto, Resurreccion Bitoon Sadaba, Mamoru Kanzaki
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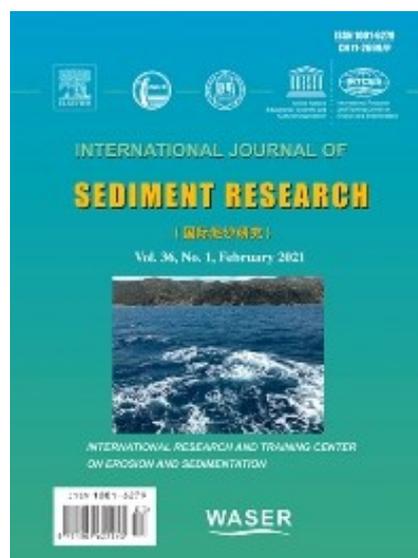
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