

WASWAC

## HOT NEWS

➤➤➤ ISSUE 10, 2020



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## YOPA announcement

### Announcement of WASWAC Youth Outstanding Paper Award (DATUM) 2021



**WASWAC**  
Youth Outstanding Paper Award  
(DATUM) 2021  
is NOW open for application

The award consists of a Certificate from the **WASWAC** and a **\$1000 (USD)** honorarium. The awarded papers will be published on International Soil and Water Conservation Research (IF3.77).\*

**Significant Dates:**

- Submission of application form / Paper abstract: November 30, 2020
- Submission of Full paper: December 31, 2020
- Nomination announcement: March 30, 2021
- Final awardees announcement: May 2021

**Please send your application form, abstract/full paper to the application Email address:**  
[waswac-yopa@foxmail.com](mailto:waswac-yopa@foxmail.com)

**For more information, please visit**

Q | <http://www.waswac.org/>

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

To encourage early-career scientists to contribute to soil and water conservation in the world, the WASWAC has held the WASWAC Youth Outstanding Paper Award three times since 2015. The fourth award in 2021 will be presented at the Third International Youth Forum on Soil and Water Conservation (IYFSWC), which will be held during May 16 to 21, 2021 in Iran (Tehran-Capital and Noor City on Caspian Sea Shore).  
\*The final publishing will go through peer-review in the journal system with priority in processing

To encourage early-career scientists to contribute to soil and water conservation in the world, the WASWAC has held the WASWAC Youth Outstanding Paper Award three times since 2015. The fourth award in 2021 will be presented at the Third International Youth Forum on Soil and Water Conservation (IYFSWC), which will be held from May 16 to 21, 2021 in Iran (Noor City on Caspian Sea Shore). The application for the award is open from now.

This award will be presented to early-career scientists with outstanding research papers on soil and water conservation. The award consists of a Certificate from the WASWAC and a \$1000 (USD) honorarium. In the case of multi-author papers, the award will be presented only to the Paper Award (DATUM) 2021 is financially supported by the Beijing Datum Technology Company.

## YOPA announcement

### Eligibility:

- The first author of the manuscript should be in their early career in research. In principle, preference will be given to scientists who are not beyond 40 years old (**born after May 16, 1981**).
- The papers should have creativity and originality, as reflected in new insights, interpretations, facts, innovations, methods, or applications.
- The papers should be written in English and should be clear, concise, comprehensible, and jargon-free, such that the papers are easy to read and understand.
- The papers submitted for consideration for the award should not have been previously published, and the authors should submit the paper with an oral presentation at the third International Youth Forum on Soil and Water Conservation (IYFSWC)
- The award papers must be submitted to the International Soil and Water Conservation Research (ISWCR) which is the official journal of WASWAC and SCIE indexed (IF 3.770) (<http://www.keaipublishing.com/en/journals/international-soil-and-water-conservation-research/>). The final publishing will go through peer reviewing follow the journal publishing procedures and rules.
- The previous awardees in 2015, 2016, and 2018 are ineligible for the award in 2021.

### Procedure

- **Application:** The author should submit the abstract along with the application form duly completed by November 30, 2020. The full paper must be submitted by December 31, 2020.
- **Peer-review and Nomination and process:** The Award Committee will screen the application and form an expert panel for paper evaluation. Each paper will be evaluated and scored by at least three experts, the averaged score will be ranked for the final nomination.
- **Evaluation and selection:** Based on the nomination, the Award Committee will determine the final list to present the award.

## YOPA announcement

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### Significant Dates:

- Submission of application form with the abstract: **November 30, 2020**
- Submission of Full paper: December 31, 2020
- Nomination announcement: March 30, 2021
- Final awardees announcement: May 2021

### Application procedure:

Send your application form, abstract/full paper to the application directly to:

[waswac-yopa@foxmail.com](mailto:waswac-yopa@foxmail.com)

All applications and full papers will be managed by the Award Secretary in Iran.

For more information please visit

<http://iyfswc.modares.ac.ir/> or <http://www.waswac.org/>

### Contacts:

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Dr. Abdulvahed Khaledi Darvishan, [vahedkhaledi@yahoo.com](mailto:vahedkhaledi@yahoo.com)

## Board of Academic Committee of LASOSU2021

The Academic Committee of LASOSU2021 has been confirmed. Thirty outstanding scientists in the field of soil and water conservation and sustainable development join the Academic Committee, including 17 Chinese and 13 foreign scholars, and 5 of them are academicians in and out of China. The board is shown as follows, which has been also published on the official website of the conference ([http://meeting.dlut.edu.cn/meeting/list\\_en.asp?id=2710&nid=1487](http://meeting.dlut.edu.cn/meeting/list_en.asp?id=2710&nid=1487); <http://meeting.dlut.edu.cn/meeting/list.asp?id=2710&nid=1488>).



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## Mediterranean basin facing irreversible environmental damage, warns new UNEP report

Athens/Marseille, 21 October 2020 - Rising inequality, biodiversity loss, the growing impact of climate change and unrelenting pressure on natural resources could lead to irreversible environmental damage in the Mediterranean basin, according to a new report by the UN Environment Programme (UNEP).

Published today, the State of the Environment and Development in the Mediterranean finds that, unless urgent and resolute action is taken to halt current trends, environmental degradation could have serious and lasting consequences for human health and livelihoods in the region. Last published in 2009, the report is produced by Plan Bleu, a regional activity center of the UNEP Mediterranean Action Plan (MAP).

According to the report, 15 per cent of deaths in the Mediterranean are attributable to preventable environmental factors; in 2016, more than 228,000 people died prematurely from exposure to air pollution. The region – one of the world's most coveted tourism destinations (360 million arrivals in 2017) and one of its busiest shipping routes – is polluted by an estimated 730 tonnes of plastic waste every day. The presence of more than 1,000 non-indigenous species also poses threats to biodiversity, and the region is warming 20 per cent faster than the global average.

“By shedding light on the mistakes of the past, the report's findings can guide a green renaissance in the Mediterranean. Embarking on greener development paths now can halt the environ-



Mediterranean  
Action Plan  
Barcelona  
Convention



**UNEP / MAP and Plan Bleu publish the most comprehensive assessment of interactions between environment and development in the Mediterranean over the past 10 years.**



mental degradation trends and salvage hard-won achievements in the implementation of the Sustainable Development Goals (SDGs),” said Gaetano Leone, Coordinator of the UNEP/MAP-Barcelona Convention Secretariat.

With GDP on the European shore on average three times higher than in south and east Mediterranean countries, the report indicates that the region, which is home to more than 512 million people, is not on track to achieve the SDGs by 2030.

“The future of the Mediterranean is on the line. In the past few months, the world has been wondering what the world will be like in the future,” said François Guerquin, Director of Plan Bleu. “This is the third issue of the SoED report since 2005 and very little has changed since. If we want to protect the Mediterranean for present and future generations, we can no longer afford piecemeal steps. We must embark on drastic changes in our relationship with nature.”

In order to induce transformative change that tackles the drivers of environmental degradation, the report identifies five levers of action:

- **Incentives and capacity building:** phasing out environmentally harmful subsidies and incentivizing sustainable options – including removing subsidies on non-renewable energies and groundwater extraction – while empowering local administrations and actors to implement nationally or internationally agreed commitments and measures.
- **Intersectoral cooperation:** ensuring that shifting development pathways are shared by all sectors, not just Ministries of the Environment, and prioritizing sustainability in all sectoral policies.
- **Preventive action:** implementing measures that prevent degradation, which are generally less costly and lead to better environmental and social outcomes than clean-up and curative action.
- **Resilience-building under uncertainty:** directing action and investment towards adaptation to projected environmental stresses, including by harnessing nature-based solutions.
- **Enforcement of legal obligations:** promoting the adoption of provisions in national legislation to allow for accountability and legal action, and strengthening the legal and administrative mechanisms involved in enforcement including those undertaken by the Mediterranean

countries under the Barcelona Convention and its Protocols.

The report provides a foundation for evidence-based environmental action in the region; its authors stress the urgent need for appropriate and effective policy responses to alleviate pressure on the environment while meeting pressing human development needs.

### ***Related information:***

**The State of the Environment and Development (SoED)** is a comprehensive assessment of the environment and development in the Mediterranean region. Its production entailed a two-year effort of knowledge compilation undertaken by 150 experts mobilized from across the region by Plan Bleu. Representatives of the Contracting Parties to the Barcelona Convention (21 Mediterranean countries and the European Union), for which UNEP serves as Secretariat, took part in the SoED preparation process.

**About the UN Environment Programme (UNEP):** UNEP is the leading global voice on the environment. It provides leadership and encourages partnership in caring for the environment by inspiring, informing and enabling nations and peoples to improve their quality of life without compromising that of future generations.

**About the UNEP Mediterranean Action Plan (MAP)/Barcelona Convention:** The UNEP Mediterranean Action Plan (MAP)/Barcelona Convention is a multilateral environmental agreement that provides the context in which the 21 coastal countries of the Mediterranean and the EU cooperate for the protection of the marine and coastal environment in the context of sustainable development of the region.



Visit [www.planbleu.org/soed](http://www.planbleu.org/soed) to download all the SoED publications.



## Special Issue on New Sciences and Technologies in Soil Conservation and Eco-Sustainability

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Soil plays a crucial role in the earth system, so conservation of soil is a critical step towards achieving a sustainable world. To obtain credible data in soil studies, applicable and precise methods are vital. This special issue focuses on new technologies linked to soil conservation and eco-sustainability.

### Topics Covered:

- Theory and practice of soil conservation experiments
- Measurement technologies and instruments for soil loss
- Modelling and decision-support tools for watershed regulation
- Hazardous substances and detection techniques
- Validations and applications of remote sensing to eroded areas
- Applications of the Telecoupling Framework in soil conservation and environmental sustainability

### Important Deadlines:

Submission deadline: 30 April 2021.

### Submission Instructions:

Please read the [Guide for Authors](#) before submitting. All articles should be [submitted online](#); select the option **New Sciences and Technologies in Soil Conservation and Eco-Sustainability**.

### Guest Editors:

- Managing Guest Editor: Dr. Xiangzhou Xu, Dalian University of Technology, China. Email: [xzxu@dlut.edu.cn](mailto:xzxu@dlut.edu.cn)
- Dr. Paolo Tarolli, University of Padova, Italy. Email: [paolo.tarolli@unipd.it](mailto:paolo.tarolli@unipd.it)
- Dr. Manuel Esteban Lucas-Borja, Castilla La Mancha University, Spain. Email: [manuelesteban.lucas@uclm.es](mailto:manuelesteban.lucas@uclm.es)
- Dr. Guoqiang Yu, China Geological Survey, China. Email: [29093057@qq.com](mailto:29093057@qq.com)

## Updated CiteScore of ISWCR in November 2020

Calculating the CiteScore is based on the number of citations to documents (articles, reviews, conference papers, book chapters, and data papers) by a journal over **four years**, divided by the number of the same document types indexed in Scopus and published in those same **four years**.

Below is the updated information on Scopus website:

### *International Soil and Water Conservation Research*

Open Access

Scopus coverage years: from 2013 to present

Publisher: International Research and Training Center on Erosion and Sedimentation & China Water and Power Press

ISSN: 2095-6339

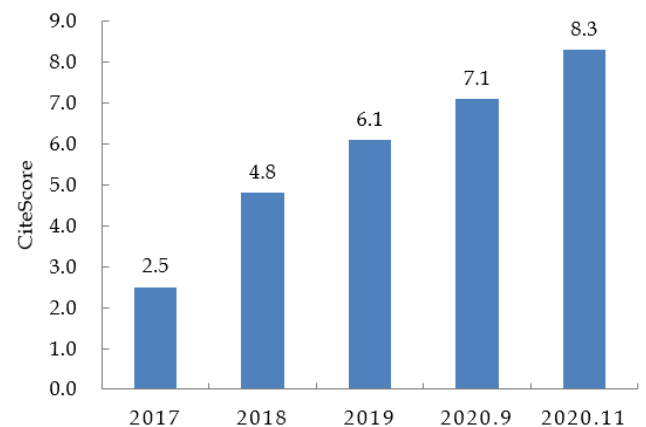
Subject area: Environmental Science: Water Science and Technology

Environmental Science: Nature and Landscape Conservation

Agricultural and Biological Sciences: Agronomy and Crop Science

Agricultural and Biological Sciences: Soil Science

Category	Rank	Percentile
Environmental Science		
Water Science and Technology	#17/217	92nd
Agricultural and Biological Sciences		
Agronomy and Crop Science	#28/334	91st
Environmental Science		
Nature and Landscape Conservation	#14/160	91st
Agricultural and Biological Sciences		
Soil Science	#17/126	86th



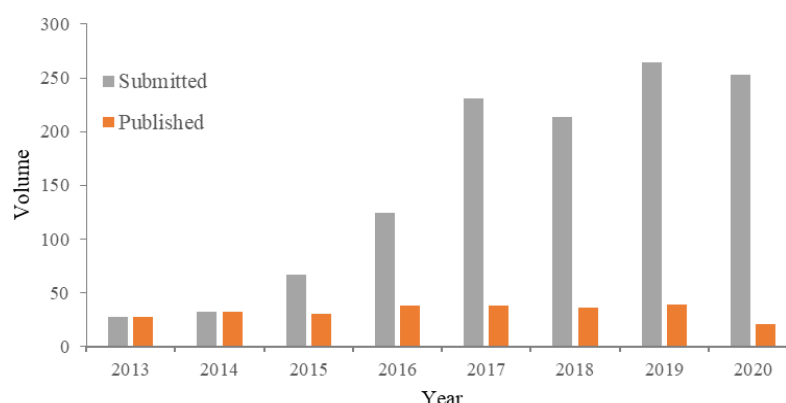
### CiteScoreTracker 2020 ⓘ

$$8.3 = \frac{1,188 \text{ Citations to date}}{143 \text{ Documents to date}}$$

Last updated on 08 November, 2020 • Updated monthly

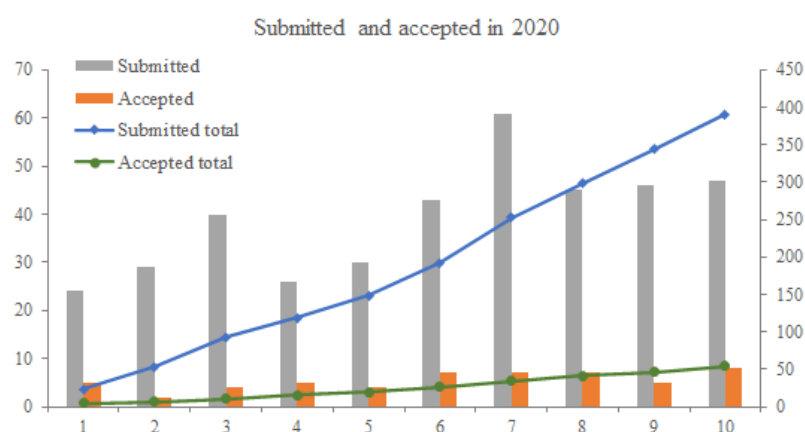
### *Annual Volume of Submissions and Publishing since 2013*

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	31	391



### *Monthly Submissions & Acceptance in the current year (2020)*

Month	Submitted	Accepted
1	24	5
2	29	2
3	40	4
4	26	5
5	30	4
6	43	7
7	61	7
8	45	7
9	46	5
10	47	8



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 3, 2020 for ISWCR

### **Monitoring the variation of soil quality with sewage sludge application rates in absence of rhizosphere effect**

Rahma Inès Zoghalmi, Helmi Hamdi, Sonia Mokni-Tlili, Sarra Hechmi, Mohamed Naceur Khelil, Nadhira Ben Aissa, Mohamed Moussa, Habib Bousnina, Saoussen Benzarti, Naceur Jedidi

Pages 245-252

<https://www.sciencedirect.com/science/article/pii/S2095633920300526>

### **Incorporating a rainfall intensity modification factor $\gamma$ into the Ia -S Relationship in the NRCS -CN method**

Pengcheng Hu, Jialiang Tang, Jihui Fan, Shumiao Shu, Zhaoyong Hu, Bo Zhu

Pages 237-244

<https://www.sciencedirect.com/science/article/pii/S2095633920300496>

### **Double mulching improves soil properties and productivity of maize-based cropping system in eastern Indian Himalayas**

Bidyapati Ngangom, Anup Das, Rattan Lal, Ramkrushna Gandhiji Idapuganti, Jayanta Layek, Savita Basavaraj, Subhash Babu, Gulab Singh Yadav, Probir Kumar Ghosh

Pages 308-320

<https://www.sciencedirect.com/science/article/pii/S2095633920300460>

### **Can integrated watershed management reduce soil erosion and improve livelihoods? A study from northern Ethiopia**

Kassa Teka, Mulu Haftu, Madelene Ostwald, Christel Cederberg

Pages 266-276

<https://www.sciencedirect.com/science/article/pii/S2095633920300459>

### **Predicted trends of soil erosion and sediment yield from future land use and climate change scenarios in the Lancang-Mekong River by using the modified RUSLE model**

Pavisorn Chuenchum, Mengzhen Xu, Wenzhe Tang

Pages 213-227

<https://www.sciencedirect.com/science/article/pii/S2095633920300447>

### **Spatial distribution of water and wind erosion and their influence on the soil quality at the agropastoral ecotone of North China**

Yanzai Wang, Yifan Dong, Zhengan Su, Simon M. Mudd, Qiuhong Zheng, Gang Hu, DongYang

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## Contents of Issue 3, 2020 for ISWCR

### Spatiotemporal changes in terrestrial water storage in the Beijing-Tianjin Sandstorm Source Region from GRACE satellites

Yingjun Pang, Bo Wu, Yanping Cao, Xiaohong Jia

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<https://www.sciencedirect.com/science/article/pii/S2095633920300423>

### Fingerprinting sediment sources in a typical karst catchment of southwest China

Zhenwei Li, Xianli Xu, Yaohua Zhang, Kelin Wang

Pages 277-285

<https://www.sciencedirect.com/science/article/pii/S2095633920300435>

### Inhibiting soil loss and runoff from small plots induced by an individual freeze-thaw cycle using three rangeland species

Milad Hatefi, Seyed Hamidreza Sadeghi, Reza Erfanzadeh, Morteza Behzadfar

Pages 228-236

<https://www.sciencedirect.com/science/article/pii/S2095633920300381>

### Cadmium speciation as influenced by soil water content and zinc and the studies of kinetic modeling in two soils textural classes

Farzad Rassaei, Mehran Hoodaji, Seyed Ali Abtahi

Pages 286-294

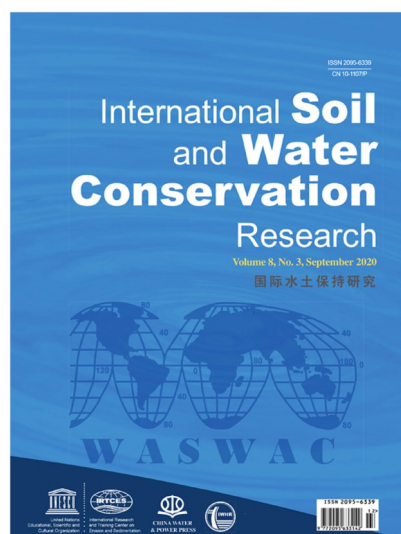
<https://www.sciencedirect.com/science/article/pii/S2095633920300289>

### Unsupervised learning approach in defining the similarity of catchments: Hydrological response unit based k-means clustering, a demonstration on Western Black Sea Region of Turkey

Ersin Aytac

Pages 321-331

<https://www.sciencedirect.com/science/article/pii/S2095633920300277>





## Contents of Issue 6, 2020 for IJSR

Papers Published in the *International Journal of Sediment Research* Volume 35, No. 6, 2020  
Pages 563–678 (December 2020)

### **Erosion rate of sand and mud mixtures**

Chamil Perera, Jarrell Smith, Weiming Wu, David Perkey, Anthony Priestas  
Pages 563-575

### **Large-eddy simulation of flash flood propagation and sediment transport in a dry-bed desert stream**

Ali Khosronejad, Kevin Flora, Zexia Zhang, Seokkoo Kang  
Pages 576-586

### **Numerical modeling of the propagation and morphological changes of turbidity currents using a cost-saving strategy of solution updating**

Peng Hu, Yue Li  
Pages 587-599

### **Influence of diversion angle on water and sediment flow into diversion channel**

Nashwan Kamalaldeen Alomari, Badronnisa Yusuf, Thamer Ahmad Mohammad, Abdul Halim Ghazali  
Pages 600-608

### **Mass flows and river response in rapid uplifting regions – A case of lower Yarlung Tsangpo basin, southeast Tibet, China**

Guo-An Yu, Jianyin Lu, Liquan Lyu, Lujie Han, Zhaoyin Wang  
Pages 609-620

### **Post-analysis simulation of the collapse of an open sabo dam of steel pipes subjected to boulder laden debris flow**

Toshiyuki Horiguchi, Vincent Richefeu  
Pages 621-635

### **Circulation cells topology and their effect on migration pattern of different multi-bend meandering rivers**

Fariba Sadat Esfahani, Alireza Keshavarzi  
Pages 636-650

### **Comprehensive evaluation method for sediment allocation effects in the Yellow River**

Xujian Chen, Chunhong Hu, Yuqi An, Zhihao Zhang  
Pages 651-658

## Contents of Issue 6, 2020 for IJSR

### Quasi-stationary flow structure in turbidity currents

Shun Nomura, Giovanni De Cesare, Mikito Furuichi, Yasushi Takeda, Hide Sakaguchi  
Pages 659-665

### Influence of surface roughness of dune bedforms on flow and turbulence characteristics

Veysel Sadan Ozgur Kirca, Seyed Mahdi Saghebhan, Kiyoumars Roushangar, Oral Yagci  
Pages 666-678

### Full papers are available at ScienceDirect:

<https://www.sciencedirect.com/journal/international-journal-of-sediment-research> with free access to the paper abstracts.

*International Journal of Sediment Research (IJSR)*, the Official Journal of The International Research and Training Center on Erosion and Sedimentation and The World Association for Sedimentation and Erosion Research, publishes scientific and technical papers on all aspects of erosion and sedimentation interpreted in its widest sense.

The subject matter is to include not only the mechanics of sediment transport and fluvial processes, but also what is related to geography, geomorphology, soil erosion, watershed management, sedimentology, environmental and ecological impacts of sedimentation, social and economical effects of sedimentation and its assessment, etc. Special attention is paid to engineering problems related to sedimentation and erosion.





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(Names are arranged in alphabetical order)