

AJOL, ASSAf, DOAJ, EIFL, LIBSENSE and UCT initiative for African journal editors and publishers
Webinar series 2022

Open Access Journals Best Practices Meilleures pratiques pour les journaux en libre accès

Ina Smith, DOAJ Ambassador Southern Africa Thomas Hervé Mboa Nkoudou, DOAJ Ambassador West & Central Africa





DOAJ Webinar Series for African Journals Série de webinaires du DOAJ pour les revues africaines

- Webinar 1: DOAJ Introduction & Overview/Introduction et aperçu de DOAJ
 https://youtu.be/Luu1LFN432k
- Webinar 2: Editorial Processes & Business Models/Processus éditoriaux et modèles commerciaux
 - https://youtu.be/H4Qs-dgW98I
- Webinar 3: Copyright & Licensing/Droits d'auteur et licences https://tinyurl.com/3dztfrf5
- Webinar 4: OA Journal Best Practices / Meilleures pratiques pour les revues OA

What is an Open Access Journal? (1) Qu'est-ce qu'un journal en libre accès? (1)



- Scholarly journal following an Open Access publishing model
 Revue savante suivant un modèle de publication en libre accès
- Research information is made available to readers at no cost (free), as opposed to the traditional subscription model. A paid-for print version is allowed

Les informations sur la recherche sont mises à la disposition des lecteurs sans frais (gratuitement), par opposition au modèle traditionnel d'abonnement. Une version imprimée payante est autorisée

What is an Open Access Journal? (2) Qu'est-ce qu'un journal en libre accès? (2)



A journal where the copyright holder of a scholarly work grants usage rights to others using an **open license** (Creative Commons or equivalent) allowing for immediate free access to the work and permitting any user to read, download, copy, distribute, print, search, or link to the full texts of articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose.

What is an Open Access Journal? (3) Qu'est-ce qu'un journal en libre accès? (3)



Revue dans laquelle le détenteur du droit d'auteur d'une œuvre savante accorde des droits d'utilisation à d'autres en utilisant une licence ouverte (Creative Commons ou équivalent) permettant un accès gratuit immédiat à l'œuvre et autorisant tout utilisateur à lire, télécharger, copier, distribuer, imprimer, rechercher ou créer des liens vers le texte intégral des articles, à les indexer, à les transmettre comme données à un logiciel ou à les utiliser à toute autre fin légitime.

What is an Open Access Journal? (4) Qu'est-ce qu'un journal en libre accès? (4)



- Demonstrates high levels of transparency
 Faire preuve d'un haut niveau de transparence
- All articles submitted for possible publication are subjected to peerreview

Tous les articles soumis pour une éventuelle publication font l'objet d'un examen par les pairs

Principles of Transparency & Best Practice in Scholarly Publishing Principes de transparence et meilleures pratiques dans l'édition savante









Professional Website (1) Site web professionnel (1)

- Adhere to criteria for a professional website, URL (https), central website, language consistent, spelling & grammar, hyperlinks
 Respecter les critères d'un site web professionnel
- Demonstrate care has been taken to ensure high quality ethical & professional standards

Démontrer que des mesures ont été prises pour garantir des normes éthiques et professionnelles de haute qualité

Professional Website (2) Site web professionnel (2)

- Must not contain info that might mislead readers/authors, or attempts to mimic another journal/publisher's site
 Ne doit pas contenir d'informations susceptibles d'induire en erreur les lecteurs/auteurs, ni de tentatives d'imitation du site d'un autre journal/éditeur
- Include Focus/Aims & Scope
 Inclure l'objectif et le champ d'application
- Clearly define readership
 Définir clairement le lectorat

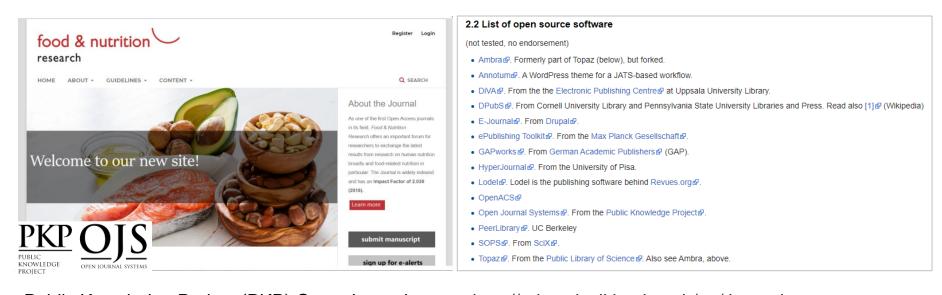
Professional Website (3) Site web professionnel (3)

- Coverage/statement of what journal will consider for publication
 Couverture/déclaration de ce que le journal prendra en compte pour la publication
- Authorship criteria e.g. multiple submissions and redundant publications not allowed

Critères d'attribution des droits d'auteur : les soumissions multiples et les publications redondantes ne sont pas autorisées

Open Source Journal Management Software Logiciel de gestion de journaux à code source ouvert

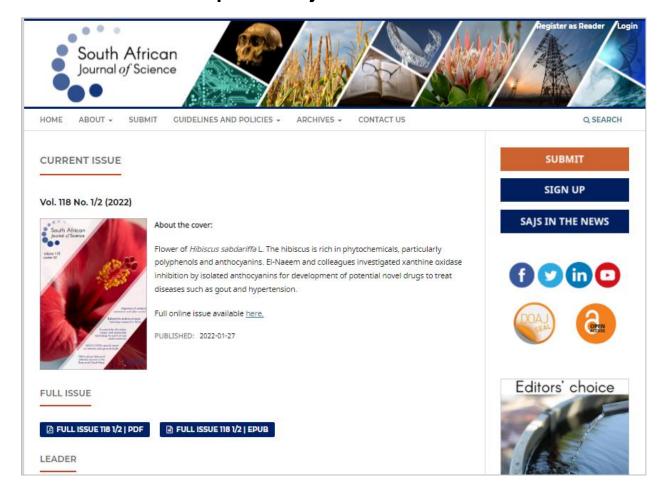




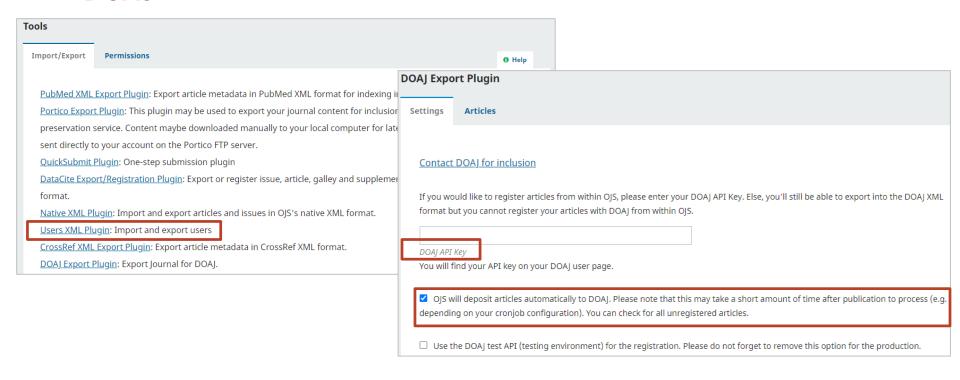
Public Knowledge Project (PKP) Open Journal Systems (OJS) https://pkp.sfu.ca/ojs/

http://edutechwiki.unige.ch/en/Journal_manageme nt_software

https://sajs.co.za/



Export metadata from journal using OJS to DOAJ Exporter les métadonnées d'un journal en utilisant OJS vers DOAJ



Name of Journal (1) Nom de la revue (1)

- Journal should have unique name, distinct, descriptive, consistent
 Le journal doit avoir un nom unique
- Name should be clearly distinguished not to be confused with another journal
 Le nom doit être clairement distingué ne pas être confondu avec un autre journal
- Must not mislead potential users (authors, readers) about journal's origin or association with other journals

Ne doit pas induire en erreur les utilisateurs potentiels (auteurs, lecteurs) quant à l'origine de la revue ou à son association avec d'autres revues

Peer review process (1) Processus d'examen par les pairs (1)

- Journal content must be clearly marked as whether peer reviewed or not
 Le contenu du journal doit être clairement indiqué comme ayant fait l'objet
 d'un examen par les pairs ou non
- Peer review process & peer- review policy must be clearly described on journal website (incl. method of peer review)
 Le processus et la politique d'examen par les pairs doivent être clairement décrits sur le site web du journal (y compris la méthode d'examen par les pairs)

Peer review process (2) Processus d'examen par les pairs (2)

- Journals must apply a rigorous review process
 Les revues doivent appliquer un processus d'examen rigoureux
- Peer review by at least two independent reviewers

Examen par les pairs par au moins deux examinateurs indépendants

- Editorial review allowed only for journals in arts and humanities
 - La révision éditoriale n'est autorisée que pour les revues d'art et de sciences
 - humaines
- Faculty oversight required for student journals
 Supervision de la faculté requise pour les journaux d'étudiants

Peer-review Process

Research Letters, Research Articles and Review Articles are subject to peer review. Although the Editor-in-Chief may solicit an external review, items published in the front section of the journal are not subject to peer review.

- Manuscripts are submitted online. All manuscripts undergo an initial assessment by the Editorial Office to ensure
 that they comply with the quidelines.
- Manuscripts are then assigned to the Editor-in-Chief to decide whether or not they fall within the remit of the
 journal. The Editor-in-Chief may also refer to Associate Editors for their assessment. All manuscripts should be
 written in a style suitable for non-specialists.
- All manuscripts deemed potentially suitable then undergo a similarity detection process using iThenticate and
 Crossref Similarity Check. When a similarity report is indicative of potential plagiarism, the report and manuscript
 will be examined by the Editor-in-Chief to determine whether or not material has been plagiarised and, if so, the
 extent of the plagiarism. In the case of suspected plagiarism, the <u>Plagiarism Policy</u> will come into effect. When the
 similarity report indicates no plagiarism detected, the Editor-in-Chief assigns the manuscript to the Associate Editor
 responsible for the discipline in which the manuscript falls.
- Associate Editors can at this stage reject manuscripts that are too specialised or refer manuscripts back to the
 authors for language editing or re-writing. If a manuscript is deemed suitable for review, the Associate Editor
 appoints and invites Reviewers online. It is at the discretion of the Associate Editor whether or not Reviewers
 recommended by Authors are selected; the selection will, however, include Reviewers who are not on the
 recommended list.
- Reviewers are given 14 days to submit a report. At least two reports are required to make a decision. The review
 process is double-anonymous, that is, both authors' and reviewers' identities are concealed.
- Once at least two reports have been received, the Associate Editor makes a decision on the manuscript. If Reviewers' recommendations diverge, the Associate Editor can arbitrate the recommendation or refer the manuscript to a third Reviewer.
- Authors are given 30 days to revise a manuscript needing minor revisions and 60 days to revise a manuscript
 needing major revisions. Revised manuscripts are submitted online. You will need to log in and select the article in
 your submissions page. The resubmission is done in the review stage, there is no need to start a new submission.
 At the review stage you will need to do two things to resubmit once you have revised your document: Upload the
 new file in the revisions section. To upload a new file click on 'Upload file.' A new window will open allowing you to
 upload your file(s). Select the appropriate option from the dropdown menu to indicate that you are not submitting
 a revision of an existing file.
- Associate Editors then make a decision on minor revisions and refer major revisions to one or more Reviewers (the
 original Reviewer/s when possible) for their recommendations before making a decision.

Peer review process (3) Processus d'examen par les pairs (3)

 Plagiarism checking recommended but <u>not required</u> for inclusion in DOAJ

La vérification du plagiat est recommandée mais pas obligatoire pour l'inclusion dans le DOAJ

State name of checking service or protocol used
 Indiquez le nom du service de contrôle ou du protocole utilisé

Plagiarism Policy

A definition of plagiarism is included in the <u>Guidelines for Authors</u> and authors are referred to this policy for the consequences of an offence of this nature. All cases of suspected or alleged plagiarism will be considered seriously and on an individual basis.

The South African Journal of Science is a member of Crossref Similarity Check. Manuscripts submitted for consideration for publication will be scanned for potential plagiarism before undergoing peer review to verify their originality. Similarity reports will be reviewed on an individual basis.

Submitted manuscripts

- Suspected plagiarism in a submitted manuscript can be brought to the attention of the Editor-in-Chief either through the similarity report of the plagiarism detection scan or through a Reviewer of the manuscript.
- When a similarity report is indicative of a potential offence, the report and manuscript will be examined by the Editor-in-Chief to determine whether or not material has been plagiarised and, if so, the extent of the plagiarism.
- When suspected plagiarism is reported to the Editorial Office, the report will be acknowledged and all relevant documentation/evidence will be retrieved and examined by the Editor-in-Chief, in conjunction with the relevant Associate Editor, to determine whether or not material has been plagiarised and, if so, the extent of the plagiarism.
- If material has been plagiarised, the corresponding author will be informed by the Editor-in-Chief that the
 manuscript is rejected on these grounds.
 If the average of the plagiarism is minor, and the Editor-in-Chief determines that the author is did not intend to.
- If the extent of the plagiarism is minor and the Editor-in-Chief determines that the author/s did not intend to
 plagiarise, no further action will be taken. If the plagiarism is extensive or admitted to, the author/s' institution/s
 and funding bodies will be informed of the offence (the submitted and plagiarised material will be sent to them) by
 the Editor-in-Chief. Authors will be notified by the Editor-in-Chief that their institution/s will be informed and that
 they will be banned from submitting to the South African Journal of Science in the future.
- . The reader or Reviewer reporting the suspected plagiarism will be informed of the outcome of the investigation.

Published articles

- When suspected plagiarism is reported to the Editorial Office, the report will be acknowledged and all relevant documentation/evidence will be retrieved and examined by the Editor-in-Chief, in conjunction with the relevant Associate Editor, to determine whether or not material has been plagiarised and, if so, the extent of the plagiarism.
- If material has been plagiarised, the corresponding author will be informed by the Editor-in-Chief and questioned.

 The property of the placing in the place of the place
- If the extent of the plagiarism is minor and the Editor-in-Chief determines that the author/s did not intend to
 plagiarise, a statement indicating the plagiarised material and appropriate reference will be published online and
 the article online will be linked to the statement and vice versa.



Generic Plugins (1)

▼ iThenticate Plagiarism Detector Plugin

Send all submissions to iThenticate to be checked for possible plagiarism.



Delete Upgrade

Ownership & Management Propriété et gestion

- Information about ownership/publisher & management of journal should be clearly indicated on website (scholarly society)
 Les informations sur la propriété et la gestion du journal doivent être clairement indiquées sur le site web
- Publisher not to use organisational/journal names that would mislead
 potential authors & editors about the nature of the journal's owner
 L'éditeur ne doit pas utiliser de noms d'organisations/de revues qui pourraient
 induire en erreur les auteurs et éditeurs potentiels sur la nature du propriétaire
 de la revue



NACA

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CURRENT ISSUE

Vol. 31 No. 2 (2021): Clean Air Journal

PUBLISHED: 2021-12-17

FULL ISSUE

☑ PDF

EDITORIAL

The new WHO Global Air Quality Guidelines: What do they mean for South Africa?

Rebecca Garland, Bianca Wernecke, Gregor Feig, Kristy Langerman

☑ PDF

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Governing Body Conseil d'administration

- Journal must have editorial board/other governing bodies members must be recognised experts in subject areas included within journal's scope La revue doit avoir un comité de rédaction/autres organes directeurs - les membres doivent être des experts reconnus dans les domaines couverts par la revue
- Full name & affiliations of editorial board/governing body available on website

Le nom complet et les affiliations du comité de rédaction/de l'organe directeur sont disponibles sur le site web



HOME

SUBMIT GUIDELINES AND POLICIES + ARCHIVES +

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Q SEARCH

HOME | Editorial Team

Editorial Team

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Online Publishing Systems Administrator: Nadia Grobler 🖾 [©]

Marketing and Communications: Henriette Wagener ⊠

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SAJS IN THE NEWS















Editorial Team & Contact Information Équipe de rédaction et informations de contact

- Full names & affiliations of journal editors on journal website
 Noms complets et affiliations des éditeurs de la revue sur le site web de la revue
- Contact information for editorial office (generic email)
 Coordonnées de la rédaction
- Full address
 Adresse complète



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Contact us

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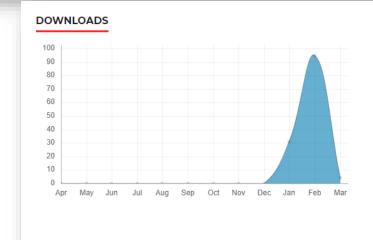
Copyright & Licensing (1) Droits d'auteur et licences (1)

- Copyright policy also as part of author guidelines
 Politique en matière de droits d'auteur également dans le cadre des directives à
 l'intention des auteurs
- Copyright holder specified on all published articles
 Le propriétaire du droit d'auteur est spécifié sur tous les articles publiés
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 Politique d'auto-archivage - les versions finales acceptées des articles publiés peuvent-elles être déposées dans des dépôts de tiers/institutionnels?
- Link to author agreement
 Lien vers l'accord de l'auteur

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properly-referenced.

less than 5000 words. * Article: 7-10000 words

* Note: 5- 7000 words

Word.)

* Case Note: 5-10000 words

Journal, including the following:

review) rests with the editors.

manuscripts per year.

International

in Ensuring a Blind Reviewhave been followed.

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4. The contribution has been written with due diligence and meets all requirements for this type of text in terms of academic content and language correctness and it meets all formal requirements, including length prescriptions (footnotes included and bibliography excluded). An article should not be less than 7000 words, and the notes not

5. There is nothing in the manuscript that might reveal the identity of the author(s) to the reviewers. The instructions

6. The submission file is in Microsoft Word, OpenOffice or RTF document file format. (The preferred file is Microsoft

7. The text adheres to the bibliographic requirements outlined in the Author Guidelines, which is found in About the

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8. By submitting this contribution for consideration, I am / we are committed to reviewing a maximum of two

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12. The authors have familiarised themselves with the policies of PER/PELI and agree with them.

14. The authors have read all the policies and author quidelines and agree with them.

Author Fees Frais d'auteur

- Specify any fees/charges required to have manuscript processed/published
 Précisez les frais/charges exigés pour le traitement/la publication du manuscrit
- Info should be easy to find prior to submission
 Les informations doivent être faciles à trouver avant la soumission
- Also indicate if no fees are charged/waivers apply
 Indiquez également si aucun frais n'est facturé ou si des dérogations s'appliquent

Article Processing Charges

Page charges are levied for contributions approved for publication. The tariff is ZAR180,00 per page.

Article Processing Charges (APCs)

The first four pages of original research papers published in the SADJ will be free of charge after which a charge of ZAR500,00 per page or part thereof will be levied.

Allegations of research misconduct Allégations d'inconduite dans la recherche

- Misconduct (plagiarism, citation manipulation, data falsification/fabrication, etc) never to be allowed
 Les écarts de conduite (plagiat, manipulation de citations, falsification/fabrication de données, etc.) ne doivent jamais être autorisés
- Where publisher/editor is made aware of any allegation of research misconduct related to a published article, follow COPE guidelines in dealing with allegations Lorsque l'éditeur/rédacteur est informé d'une allégation d'inconduite en matière de recherche liée à un article publié, suivre les directives du COPE pour traiter les allégations

Publication Ethics Éthique de la publication

• Clear policies on publication ethics/ Des politiques claires en matière d'éthique de

la publication:

- O Journal policies on authorship and contributorship/Politiques des revues en matière de paternité et de contribution
- O How the journal will handle complaints and appeals/Comment la revue traitera les plaintes et les appels
- O Journal policies on conflicts of interest / competing interests/Politiques des revues en matière de conflits d'intérêts / intérêts concurrents
- O Journal policies on data sharing and reproducibility/Politiques des revues en matière de partage des données et de reproductibilité
- O Journal's policy on ethical oversight/Politique du journal en matière de surveillance éthique
- O Journal's policy on intellectual property/Politique de la revue en matière de propriété intellectuelle
- O Journal's options for post-publication discussions and corrections/Options du journal pour les discussions et les corrections post-publication

Conflicts of Interest Policy

The Committee on Publication Ethics (COPE) defines a may influence the judgement of authors, reviewers a when revealed later, would make a reasonable reade commercial, political, academic or financial. Such interuncertainty, rather disclose.

The Committee on Publication Ethics (COPE) defines conflicts of interest as "those which may not be fully apparent and

Article Retraction Policy

Published articles should remain extant and intact. However, under exceptional circumstances involving plagiarism (see <u>Plagiarism Policy</u>) and redundant publication or data error, articles may need to be retracted, removed or replaced in order to protect the integrity of the literature. The need for a retraction will be determined by the Editor-in-Chief, but may be initiated, in cases of flawed data or conclusions, at the request of the author/s.

To retract an article, a notice of retraction will be published in the next issue. This notice of retraction will:

Ethics and Malpractice Statement

Corrections Policy

Corrections to articles published in the South African Journal of Science

A published article forms part of the published record and will not be altered or removed (see the Article Retraction

Policy).

raction

e retraction and who is retracting the article

DFs and EPUBs via the CrossMark widget.

The Clean Air Journal ethics statement has been developed based upon the "Code of Conduct and Best Practice Guideline for Journal Editors", the "Ethical Guidelines for Peer Reviewers", "Responsible Research Publication: International Standards for Authors", and "Responsible Research Publication: International Standards for Editors" developed by the Committee on Publication Ethics (COPE).

The Clean Air Journal editors should be informed of any actions by reviewers or authors that are not in-line with this statement. If there is suspected misconduct by an editor, the complaint should first be made to the co-editors. If the complaint is not satisfactorily resolved, then the complaint should be passed to the editorial board of the Clean Air Journal. In cases of suspected misconduct, the Editors and Editorial Board will use the best practices of COPE to assist them to resolve the complaint. More detailed information can be found at <u>Allegations of research misconduct</u>.

Publishing Schedule Calendrier de publication

- Periodicity at which journal publishes shall be clearly indicated
 La périodicité de publication de la revue doit être clairement indiquée
- Uninterrupted publishing
 Publication ininterrompue
- At least 5 research articles per year
 Au moins 5 articles de recherche par an
- New or flipped journals need to publish at least 10 OA articles before applying
 Les nouvelles revues doivent publier au moins 10 articles OA avant de se porter
 candidates

Publication frequency

The South African Journal of Science is published six times a year.

Publication Frequency

The journal publishes one volume per annum, and each volume consists of four issues in early March, June, September and December respectively.

Publication Frequency

PELJ/PER operate under a continuous publication model from 2016 onwards.

Instead of using page numbers to cite a contribution within a year volume, a unique article identifier is used, namely the <u>Digital Object Identifier (DOI)</u> available on each contribution.

Accès

• Indicate Open Access to articles or whether subscription applies

Indiquez si les articles sont en libre accès ou s'ils font l'objet d'un abonnement

Open Access Policy

The South African Dental Journal is a peer-reviewed, Open Access journal, supporting the <u>Budapest Open Access Initiative</u> principles: "By 'open access' to this literature, we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, is to give authors control over the integrity of their work and the right to be properly acknowledged and cited."

Archivage

- Indicate digital backup and preservation plan in case of disaster e.g. via Portico,
 LOCKSS, CLOCKSS, PubMedCentral
 Indiquez le plan de sauvegarde et de préservation des données numériques en cas de catastrophe, par exemple via Portico, LOCKSS, CLOCKSS, PubMedCentral
- Indicate clearly if journal is no longer published
 Indiquez clairement si la revue n'est plus publiée

Import/Export

Permissions



PubMed XML Export Plugin: Export article metadata in PubMed XML format for indexing in MEDLINE.

<u>Portico Export Plugin</u>: This plugin may be used to export your journal content for inclusion in the Portico digital preservation service. Content maybe downloaded manually to your local computer for later delivery to Portico, or may be sent directly to your account on the Portico FTP server.

QuickSubmit Plugin: One-step submission plugin

<u>DataCite Export/Registration Plugin</u>: Export or register issue, article, galley and supplementary file metadata in DataCite format.

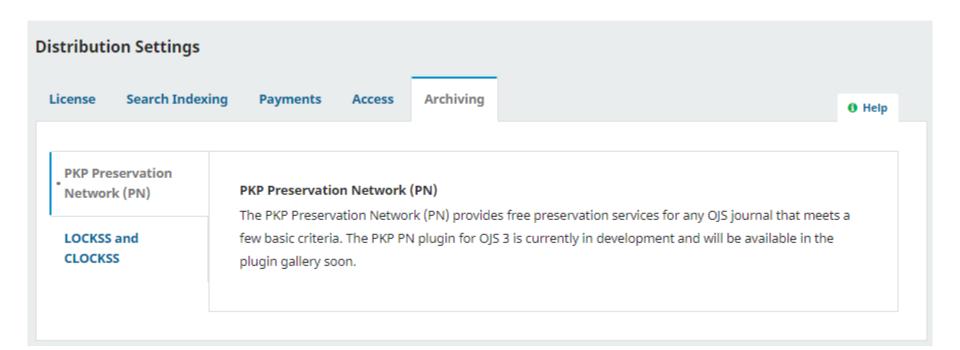
Native XML Plugin: Import and export articles and issues in OJS's native XML format.

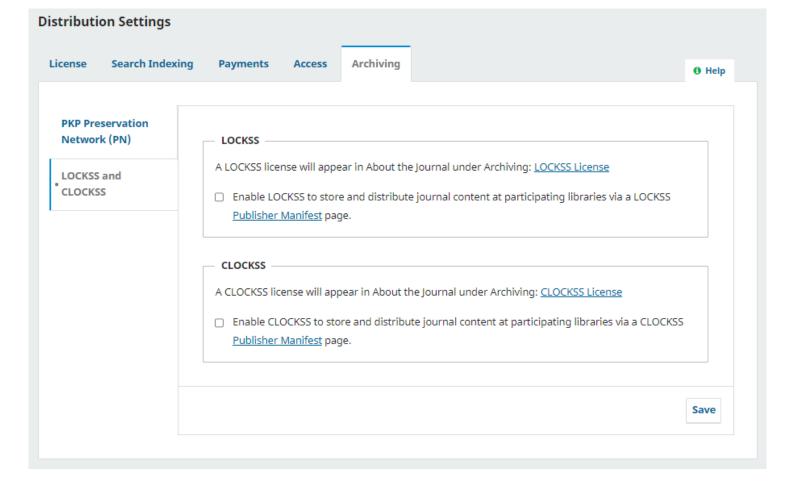
Users XML Plugin: Import and export users

CrossRef XML Export Plugin: Export article metadata in CrossRef XML format.

<u>DOAJ Export Plugin</u>: Export Journal for DOAJ.







Digital Preservation Policy

SAJAE utilises both the <u>Portico</u> and the <u>PKP Preservation Network</u> (PN) systems to create permanent archives of the journal for purposes of preservation and restoration. <u>Click here</u> to view SAJAE in the Portico Keeper's Registry.

Revenue Sources Sources de revenus

- Funding/income/revenue sources (business models) e.g., author fees, subscriptions, advertising, reprints, institutional support, and organisational support must be transparent
 - Les sources de financement, de revenus et de recettes (modèles économiques), par exemple les droits d'auteur, les abonnements, la publicité, les réimpressions, le soutien institutionnel et le soutien organisationnel, doivent être transparentes
- Publishing fees or waiver status should not influence editorial decision making
 Les frais d'édition ou le statut d'exonération ne doivent pas influencer la prise de décision éditoriale

Advertising Publicité

- Advertising Policy: types of adverts, decision makers, content
 Politique publicitaire: types de publicités, décideurs, contenu
- Keep advertisements separate from published content/editorial decision making

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Rebecca Garland, Bianca Wernecke, Gregor Feig, Kristy Langerman

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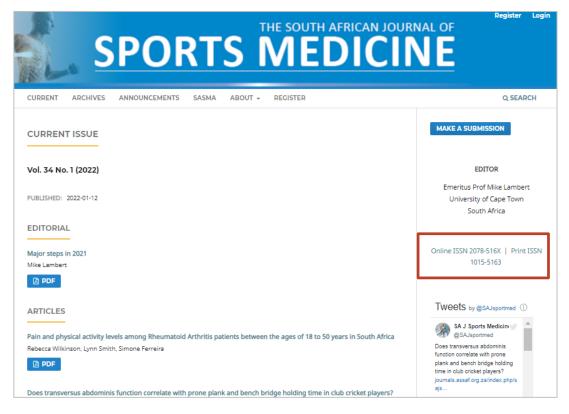
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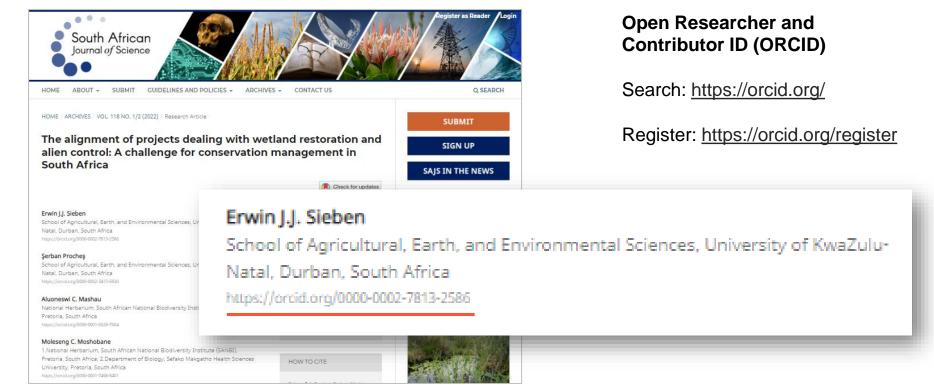


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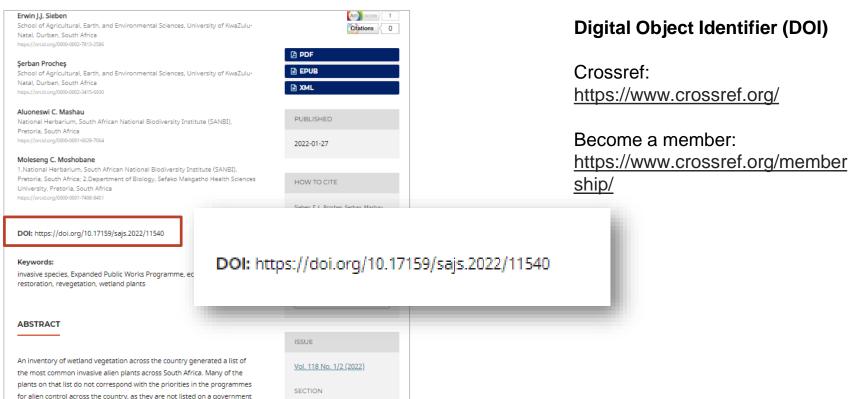
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The alignment of projects dealing with wetland restoration and alien control: A challenge for conservation management in South Africa

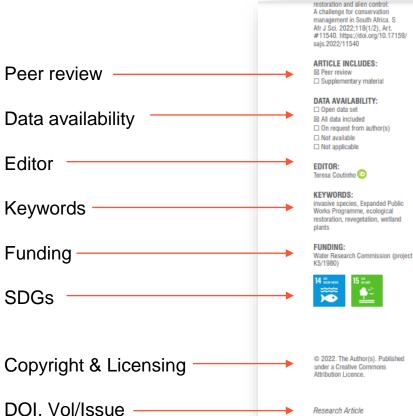
An inventory of wetland vegetation across the country generated a list of the most common invasive alien plants across South Africa. Many of the plants on that list do not correspond with the priorities in the programmes for alien control across the country, as they are not listed on a government produced list that guides the priorities for alien control. We explore the reasons for this situation. We argue that because wetlands are such important parts of the landscape, invasive aliens in wetlands are of special concern, and there should be more alignment between alien control programmes and wetland rehabilitation programmes. This alignment starts by considering the full number of species that form a threat to wetland habitats, but also considers which pesticides to use, erosion and recolonisation in wetlands, planting indigenous vegetation after aliens have been removed, and strategising by working from upstream to downstream. Existing alien control programmes for specific grasses (some relatively new to the country and in the phase of early detection) and floating aquatic plants may guide how to tackle the invasions of grasses and forbs that have been established in South African wetlands for an extended period of time.

Significance:

- Wetlands have a distinct set of alien invasive plants that affect their ecology and functioning and many of these plants are not listed as priorities in alien control programmes.
- Many restoration projects have an element of removing invasive plants and revegetating. Wetland
 restoration and alien control need to be integrated to preserve water resources.

Introduction

Two of the biggest conservation challenges that South Africa faces are the control of invasive alien plants and the prevention of the loss of wetland resources against land degradation. The government invests heavily in programmes that address these challenges while employing large numbers of low-skilled workers in public works programmes. 1-2 These programmes profess to pursue the same goals, which are the protection of biodiversity and enhancement of ecosystem services, which, in the context of a semi-arid country, revolve for a large part around



Two of the biggest conservation challenges that South Africa faces are the control of invasive alien plants and the prevention of the loss of wetland resources against land degradation. The government invests heavily in programmes that address these challenges while employing large numbers of low-skilled workers in public works programmes.\(^12\) These programmes profess to pursue the same goals, which are the protection of biodiversity and enhancement of ecosystem services, which, in the context of a semi-arid country, revolve for a large part around protecting the condition of water resources. It is therefore surprising to find that there is little alignment between the programmes that aim to restore wetland habitats and those that remove invasive alien plants from them as most of the species that are targeted for alien control do not correspond with the invasive species that are commonly found in wetlands. Therefore, many of the invasive species that particularly affect wetland ecosystems are considered to have a low priority in alien control programmes.

Many invasive plant species are known to thrive in habitats that are regularly disturbed, such as riverbanks, which are naturally subject to regular flooding and removal of vegetation, and rivers also aid in the dispersal of seeds.³ Rivers and their immediate environments are often among the worst invaded parts of a landscape,⁴ and many of the efforts in alien control have focused on these areas. Therefore, there is an awareness of the connection between drainage networks and alien invasion, but this has not yet translated into systematic on-site control of invasive aliens in wetlands, when we recognise wetlands as distinct habitats within the drainage network, that are different from riverbanks. Invasive aliens growing along riverbanks are known to use excessive amounts of water and this is one of the reasons for their systematic removal from important catchments. They have their own dynamics; and quidelines for managing invasive alien plants in these areas are well developed.⁵⁸

Wetlands in this study are defined as any terrestrial area where water is present at or close to the surface area for at least part of the year, the depth of which is never higher than 6 m.7 This definition includes seepages, rivers, shallow lakes and saline pans, which are all areas that are inundated for extended periods of time and this inundation represents the main stress on vegetation. However, riverbanks are high-energy disturbance-prone environments that often do not get inundated for prolonged times and therefore not all riparian corridors can be regarded as wetlands. Wetlands are limited in extent but have a disproportionate role in many landscape-level ecosystem processes, often being referred to as the 'kidneys of the landscape' with reference to their role in biogeochemical cycles. Invasions in these parts of the landscape should therefore be regarded as having high consequences for the landscape as a whole, even though the invaded areas may be limited in size due to the restrictions imposed by the size of the wetland. There are specific groups of plants that thrive in wetland environments that are defined as such, and these are not necessarily the same species as those that thrive on riverbanks.

When biological invasions take place in wetland environments, it should be a priority to understand what impact they have on wetland functioning and on the broader water cycle in the surrounding landscape. Wetlands are positioned in such a way in the landscape that it is nearly certain that invasions in them will have high social and ecological consequences^a, and this has implications for strategic planning around invasions in wetlands¹. Species that are capable of surviving and establishing in a wetland environment need to have a certain number of morphological and physiological adaptations, but many of the traits required for this survival are also traits that

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