



Hindawi

Phenom Publishing Platform

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About Hindawi

We are an open access publisher of 220 journals across STEM and Medicine.

We published about 22,000 papers from authors in 180 countries, working with over 10,000 academic editors and 50,000 reviewers.

Our peer review challenge

Despite managing our own review platform, it wasn't flexible enough for our needs.

We wanted to:

- Experiment and iterate quickly
- Control the development roadmap
- Satisfy our open science priorities

The value of open infrastructure

Authors, societies, or funders should be locked-in to a publisher.

We're committed to Open Infrastructure Principles:

- Open Source
- Open Data
- Open Integrations
- Open Contracts

What is “Free” or “Open Source”?

“Free speech, not free beer.” -Richard Stallman

Not software that doesn't cost money to run.

Software where the underlying code is shared freely using a license that grants certain rights to the user.

Is open source “better” software?

Not necessarily.

Whether something is open doesn't define how it's built or what it can do.

It does mean you can judge the code quality for yourself.

Is it “better” for **researchers**?

Not really.

Most authors and editors don't care about publishing technology at all.

They care about user experience.

Is it “better” for **developers**?

Quite possibly!

Open source projects attract developers because they are:

- Rewarding!
- Inspiring!
- Fun!

Is it “better” for **technology buyers**?

Definitely!

Open source platforms are great for technology customers because:

- Vendor lock-in goes away
- You own your platform and your data
- You're protected from the unpredictable

Why Open Source for Hindawi? (1 of 3)

Open source aligns with our goals in multiple ways.

- Fulfill our mission
 - (a) Reach open science goals
 - (b) Preserve a vibrant, competitive publishing market
 - (c) Reduce barriers to interoperability

Why Open Source for Hindawi? (2 of 3)

- Attract customers for SaaS and Support services
 - (a) Make it easier to launch and run OA journals
 - (b) Keep customers through service, not lock in
 - (c) Improve the product through scrutiny and feedback

Why Open Source for Hindawi? (3 of 3)

- Reduce costs
 - (a) Reuse what's already there
 - (b) Reduce variation and complexity
 - (c) Collaborate to distribute costs
 - (d) Benefit from shared expertise
 - (e) Attract talented developers



PHENOM COMMISSIONING

Attract
Submissions

Review
Special
Issues

PHENOM REVIEW

Submission
Portal

Review

PHENOM SCREENING

Screening

Editorial
Quality
Assurance

PHENOM INVOICING

Invoicing

PHENOM PRODUCTION

Vendor
Dashboard

Online
Proofing

Production
Quality
Assurance

PHENOM DISPLAY

Hosting and
Display

Syndication

PHENOM CONTROL

User
Management

Reporting

Template
Management

Global
Settings

Our plans for the future

What's on the roadmap?

- Supporting our full publishing program
- Data portability between systems
- Integrations with external services
- An end-to-end open stack
- Launching partners on the system

Manuscript Submission: Submit Your Manuscript

Please make sure your answer to each of the following questions is affirmative before continuing with the submission of your manuscript.

- Do you have the email addresses of all the co-authors of the manuscript?
- Do you have the manuscript file in Microsoft Word or Adobe PDF format with the tables and figures integrated in the manuscript body?
- Do you have the electronic files of any supplementary materials (e.g., datasets, images, audio, video) that you want to submit with the manuscript?
- Do you agree to the Hindawi Terms of Service?
- Are you aware that accepted manuscripts are subject to Article Processing Charges?
- Are you aware an ORCID ID is required for the corresponding author before your article can be published (if accepted)? The ORCID ID should be added via your user account.
- Are you aware that if your submission is covered by an institutional membership, Hindawi will share details of the manuscript with the administrator of the membership?

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First Name	Last Name	Email Address	Affiliation	Country	Corresponding Author
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				→ Please Select →	☐
				→ Please Select →	☐

Manuscript Title:

Manuscript Type: → Please Select →

Manuscript File: Choose File No file chosen

Optional Cover Letter: Choose File No file chosen



Manuscript & Authors Details

Manuscript Title: Reactive Oxygen Species, Oxidative Damage, and Antioxidant Defense Mechanism in Plants under Stressful Conditions

Manuscript Type: Research Article

Abstract: Reactive oxygen species (ROS) are produced as a normal product of plant cellular metabolism. Various environmental stresses lead to excessive production of ROS causing progressive oxidative damage and ultimately cell death. Despite this destructive activity, they are well-described second messengers in a variety of cellular processes, including confinement of infection to various environmental stresses. Whether ROS would cause oxidative damage or could cause oxidative damage to the tissue depends on the delicate equilibrium between ROS production and their scavenging. Efficient scavenging of ROS produced during various environmental stresses requires the action of several enzymatic as well as non-enzymatic antioxidants present in the tissues. In this paper, we describe the generation, sites of production and role of ROS as messenger molecules as well as inducers of oxidative damage. Further, the antioxidant defense mechanism operating in the cells for scavenging of ROS overproduced under various stressful conditions.

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MS Number	Title & Authors	Additional Files	Status
2597071.v1 (Research Article)	H = Control for T-S Fuzzy Singularity Perturbed Switched Systems Qianjin Wang, John Smith, Wei Dai, Xiaoping Ma, and Chaoyu Yang	Cover Letter	Under Review
9536025.v1 (Research Article)	Treatment Gaps Found In The Management Of Type 2 Diabetes At A Community Health Centre In Johannesburg, South Africa John Smith		Under Review
4535326.v1 (Research Article)	Effect of Acupuncture on FAK-PI3K signaling pathways in KOA rabbit articular cartilages Chang-Qing Guo, Zhan Guo Xie, Yan Guo, Jia ni Yu, John Smith, Rui Li Zhao, Shuai Zhou, Li Juan Wang, Wei Zhang, Juan Li, and Jing Xu	Cover Letter	Under Review
9724217.v1 (Research Article)	Quercetin pretreatment attenuates hepatic ischemia reperfusion-induced apoptosis and autophagy by inhibiting ERK/NF-κB pathway Chunrong Guo, Lihui Wu, Qing-Hui Zhang, Weiqi Dai, Sainan Li, Jiao Feng, Jingling Li, Tong Lin, Shixian Xu, Wenwen Wang, Xiyu Lu, Qiang Yu, Jie Lu, Kan Chen, Yojing Xia, Yiqun Zhai, and Xiaoming Fan	Cover Letter	Under Review
40311983.v1	Structure of hybrid interpolymeric complexes of polyvinyl alcohol and halides of second group elements		Under Review



Dashboard

Reactive Oxygen Species, Oxidative Damage, and Antioxidant Defense Mechanism in Plants under Stressful Conditions

Antibacterial, Antioxidant Activity of Ethanolic Plant Extracts of Some Convolvulus Species and Their DART-FT-MS Profiling

On the Output Controllability of Positive Discrete Linear Delay Systems



No.	Reviewer	Request Date	Reviewer Decision	Report Date	Recommendation	Review Report
1	Ichiro		Declined			



Dashboard

Reactive Oxygen Species, Oxidative Damage, and Antioxidant Defense Mechanism in Plants under Stressful Conditions

Abstract

Conflict of Interest

Manuscript Details

Reviewer Details

Reviewer Reports

Thank you!

Come see the code for yourself!

<https://gitlab.com/hindawi/>

Or get in touch with questions!

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