

## Peer Review Process of BEN Partners

(Revised 8/05)

Resource Type	Review Schedule	Time Frame for Reviews	Review Criteria	Review Ratings	Reviewers	Others Involved
<b>The American Physiological Society</b>						
Archive of Teaching Resources – non-web sites	Twice per year	<ul style="list-style-type: none"> <li>• Initial review 4-6 weeks</li> <li>• 2<sup>nd</sup> Review 1-2 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Scientific content only</li> <li>• Appropriate use of animals/humans</li> </ul>	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	<ul style="list-style-type: none"> <li>• Review Board composed of volunteer content experts</li> <li>• Staff (APS-generated items)</li> </ul>	Special reviewers for pedagogy material, etc.
Archive of Teaching Resources – web sites	Twice per year	<ul style="list-style-type: none"> <li>• Initial review 4-6 weeks</li> <li>• 2<sup>nd</sup> Review 1-2 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Scientific content (currently) only</li> <li>• Appropriate use of animals/humans</li> </ul>	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	<ul style="list-style-type: none"> <li>• Review Board composed of volunteer content experts</li> <li>• Staff (APS-generated items)</li> </ul>	Special reviewers for pedagogy material, etc.
<i>Advances in Physiology Education</i>	Quarterly	Set by Journal	Journal standards	Accepted	Journal Reviewers	
Partner Organization material	Decided by Partner Org.	Decided by Partner Org.	Partner org. criteria	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	Reviewers from partner org.	Decided by Partner organization

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<b>American Society for Biochemistry and Molecular Biology</b>						
Software	Ongoing basis	<ul style="list-style-type: none"> <li>• Initial review 4-6 weeks</li> <li>• 2<sup>nd</sup> Review 1-2 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Scientific accuracy</li> <li>• Instructional value</li> <li>• Technical functionality</li> <li>• Appropriateness for the audience</li> <li>• Uniqueness in the collection</li> </ul>	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	Library Editorial Board and outside reviewers as necessary	
Visual Resources	Ongoing basis	<ul style="list-style-type: none"> <li>• Initial review 4-6 weeks</li> <li>• 2<sup>nd</sup> Review 1-2 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Scientific accuracy</li> <li>• Instructional value</li> <li>• Technical functionality</li> <li>• Appropriateness for the audience</li> <li>• Uniqueness in the collection</li> </ul>	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	Library Editorial Board and outside reviewers as necessary	
Curriculum Resources	Ongoing basis	<ul style="list-style-type: none"> <li>• Initial review 4-6 weeks</li> <li>• 2<sup>nd</sup> Review 1-2 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• Scientific accuracy</li> <li>• Instructional value</li> <li>• Technical functionality</li> <li>• Appropriateness for the audience</li> <li>• Uniqueness in the collection</li> </ul>	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	Library Editorial Board and outside reviewers as necessary	
Articles & Reviews	Monthly	Set by Journal	Journal standards	<ul style="list-style-type: none"> <li>• Accepted</li> <li>• Accepted with revisions</li> <li>• Not accepted</li> </ul>	Journal Editorial Board	

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<b>American Society for Microbiology</b>						
Visual Resource	3 times annually in March, July, Nov.	4 weeks	<ul style="list-style-type: none"> <li>• Scientific accuracy</li> <li>• Quality, clarity, appeal</li> <li>• Instructional value</li> <li>• Adherence to core themes</li> <li>• Scientific accuracy and completeness of legend</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept with modification</li> <li>• Reject</li> </ul>	Three-to-four member Visual Resources Editorial Committee	Three ad hoc reviewers; ASM staff copy editor
Curriculum Resources	3 times annually in March, July, Nov.	4 weeks	<ul style="list-style-type: none"> <li>• Content</li> <li>• Process</li> <li>• Instruction</li> <li>• Evaluation</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept with modification</li> <li>• Reject</li> </ul>	Five-to-seven member Curriculum Resources Editorial Committee	None; ASM staff copy editor
<i>Microbiology Education</i> journal <a href="http://www.microbelibrary.org/Journal/reviewgde.htm">www.microbelibrary.org/Journal/reviewgde.htm</a>	October	10 weeks including review and re-review	<ul style="list-style-type: none"> <li>• Significance and worthwhileness</li> <li>• Coherence</li> <li>• Competence</li> <li>• Ethics</li> <li>• Credibility</li> <li>• Other aspects of good research</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept with revisions</li> <li>• Modify for re-review and resubmit following cycle</li> <li>• Reject</li> </ul>	Five member Editorial Committee for <i>Microbiology Education</i> journal	Ad hoc reviewers as needed; ASM staff copy editor
<i>Focus on Microbiology Education</i> newsletter	Four times annually	4 to 6 weeks	<ul style="list-style-type: none"> <li>• Significance and worthwhileness</li> <li>• Timeliness</li> <li>• Adherence to themes</li> </ul>	<ul style="list-style-type: none"> <li>• Most articles are solicited by Editors &amp; based upon themes;</li> <li>• If unsolicited article is submitted, then reviewed and accepted, accept with modification, or rejected</li> </ul>	Five-member Editorial Committee for <i>Focus on Microbiology Education</i> newsletter	Ad hoc reviewers as needed; ASM staff copy editor
<i>ASM News</i>	Monthly	8 weeks	<ul style="list-style-type: none"> <li>• Scientific accuracy and</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> </ul>	Executive	Ad hoc

Features			<p>significance</p> <ul style="list-style-type: none"> <li>• Timeliness</li> </ul>	<ul style="list-style-type: none"> <li>• Accept with modification</li> <li>• Reject</li> </ul>	director (Editor-in-chief) and five member ASM News Editorial Committee	reviewers as needed; ASM science writers
<i>ASM News Reviews</i>	Monthly	Varies	<ul style="list-style-type: none"> <li>• Microbiological content</li> <li>• Higher education audience</li> <li>• Not published by ASM Press</li> </ul>	<ul style="list-style-type: none"> <li>• Scholarly and unbiased</li> <li>• Prescriptive format including general info, purpose, intended audience, strength, weakness &amp; overall recommendation</li> </ul>	Database of 300+ ASM members willing to publish reviews	

<b>Resource Type</b>	<b>Review Schedule</b>	<b>Time Frame for Reviews</b>	<b>Review Criteria</b>	<b>Review Ratings</b>	<b>Reviewers</b>	<b>Others Involved</b>
<b>Ecological Society of America</b>						
Ecoed-Old Material (predates digital library)	Varies	Varies	<ul style="list-style-type: none"> <li>Scientific accuracy</li> </ul>	<ul style="list-style-type: none"> <li>Accept</li> <li>Reject</li> </ul>	Varies	ESA staff
Ecoed-New Material	Ongoing	3 times/year	<ul style="list-style-type: none"> <li>Quality, clarity, appeal</li> <li>Instructional value</li> <li>Adherence to field of ecology</li> <li>Scientific Accuracy and educational description</li> </ul>	<ul style="list-style-type: none"> <li>Accept</li> <li>Accept with modification</li> <li>Reject</li> </ul>	One member of advisory board and with members of editorial committee	ESA staff
<i>Ecology Education Newsletter</i>	May	4 weeks	<ul style="list-style-type: none"> <li>Significance to ecology education</li> <li>Relation to ESA Annual Meeting</li> </ul>	<ul style="list-style-type: none"> <li>Decided by editor</li> </ul>	Editor, Education Section chair	ESA staff
<i>Teaching Issues and Experiments in Ecology--EXPERIMENTS</i>	Ongoing	Varies	<ul style="list-style-type: none"> <li>Scientific accuracy</li> <li>Pedagogy</li> <li>Transferability</li> <li>Must include student data</li> </ul>	<ul style="list-style-type: none"> <li>Under-review</li> <li>Accepted</li> <li>Not accepted</li> </ul>	Ten member Editorial Committee Field/classroom testers	ESA staff
<i>Teaching Issues and Experiments in Ecology--ISSUES</i>	Ongoing	Varies	<ul style="list-style-type: none"> <li>Scientific accuracy</li> <li>Relevance</li> <li>Pedagogy</li> <li>Must include data sets</li> </ul>	<ul style="list-style-type: none"> <li>Under review</li> <li>Accepted</li> <li>Not accepted</li> </ul>	Ten member Editorial Committee Field/classroom testers	ESA staff
<i>Ecology 101—Bulletin of Ecological Society of America</i>	Ongoing	Set by publication	<ul style="list-style-type: none"> <li>Ecological content</li> <li>Undergraduate educator audience</li> </ul>	<ul style="list-style-type: none"> <li>Scholarly and unbiased</li> </ul>	Editor	None

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<b>Science's STKE</b>						
Perspectives	Ongoing	Varies	<ul style="list-style-type: none"> <li>• Scientific accuracy and clarity of presentation</li> <li>• Journal standards</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept following revision</li> <li>• Reject</li> </ul>	<ul style="list-style-type: none"> <li>• Internal review by STKE Editors</li> <li>• BEN indexing information reviewed by STKE Editors</li> </ul>	STKE production staff
Reviews	Ongoing	Varies	<ul style="list-style-type: none"> <li>• Scientific accuracy and clarity of presentation</li> <li>• Journal standards</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept following revision</li> <li>• Reject</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum of two external peer-reviewers</li> <li>• Internal review STKE Editors</li> <li>• BEN indexing information reviewed by STKE Editors</li> </ul>	STKE production staff
Editorial Guides	Not applicable	Not applicable	<ul style="list-style-type: none"> <li>• Scientific accuracy and clarity of presentation</li> <li>• Relevance to education</li> </ul>	<ul style="list-style-type: none"> <li>• Index in BEN</li> <li>• Do not index in BEN</li> </ul>	<ul style="list-style-type: none"> <li>• Internally reviewed and written by STKE Editors</li> <li>• BEN indexing information reviewed by STKE Editors</li> </ul>	STKE production staff
Connections Maps Pathways in the database of cell signaling and associated Overviews	Ongoing	Varies	<ul style="list-style-type: none"> <li>• Scientific accuracy and clarity of presentation</li> <li>• Adherence to data structure rules for Connections Maps database</li> <li>• Journal standards</li> </ul>	<ul style="list-style-type: none"> <li>• Approve for access through STKE web site</li> <li>• Approve for access through STKE web site following revision</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum of two external peer-reviewers</li> <li>• Internal review by STKE Editors and database curators</li> </ul>	STKE production staff and Connections Maps curation staff

				<ul style="list-style-type: none"> <li>• Not approved</li> </ul>	<ul style="list-style-type: none"> <li>• BEN indexing information reviewed by STKE Editors</li> </ul>	
Teaching Resources (Submitted)	Ongoing	Varies	<ul style="list-style-type: none"> <li>• Scientific accuracy and clarity of presentation</li> <li>• Relevance to education and educational description</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept following revision</li> <li>• Reject</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum of two external peer-reviewers</li> <li>• Internal review by STKE Editors</li> <li>• BEN indexing information reviewed by STKE Editors</li> </ul>	STKE production staff
Teaching Resources (Created by STKE in conjunction with an STKE article or Connections Map)	Ongoing	Varies	<ul style="list-style-type: none"> <li>• Scientific accuracy and clarity of presentation</li> <li>• Relevance to education and educational description</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept following revision</li> </ul>	<ul style="list-style-type: none"> <li>• Internal review by STKE Editors</li> <li>• Resource created with scientific oversight of the article author</li> <li>• BEN indexing information reviewed by STKE Editors</li> </ul>	STKE production staff

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<b>American Institute of Biological Sciences</b>						
ActionBioscience.org articles <a href="http://www.actionbioscience.org/index.html">http://www.actionbioscience.org/index.html</a>	Upon editor's acceptance of submission	Within 3 months	<ul style="list-style-type: none"> <li>• Falls within the aims and scope of the web site</li> <li>• Demonstrates originality of ideas, hypothesis, or application</li> <li>• Makes a significant contribution to bioscience literacy</li> <li>• Is of interest to the intended reader</li> <li>• Exhibits technical soundness and scientific accuracy</li> <li>• Provides sufficient references and/or credits sources</li> <li>• Is well-written and presents information clearly</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept with modification</li> <li>• Reject</li> </ul>	Two independent expert reviewers	AIBS staff editorial director, editor, and copy editor
ActionBioscience.org classroom lessons <a href="http://www.actionbioscience.org/lessondirectory.html">http://www.actionbioscience.org/lessondirectory.html</a>	Upon editor's acceptance of submission	Within 2 months	<ul style="list-style-type: none"> <li>• Quality and clarity of instruction and activities</li> <li>• Activities correlated to the National Science Education Standards</li> <li>• Content matches issues of the accompanying ActionBioscience.org article</li> <li>• Evaluation/learning methodology suggested</li> <li>• Activities tested by author in the classroom</li> </ul>	<ul style="list-style-type: none"> <li>• Accept</li> <li>• Accept with modification</li> <li>• Reject</li> </ul>	Two AIBS internal reviewers and, if necessary, feedback on selected activities from an independent educator reviewer	AIBS staff copy editor



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<b>American Phytopathological Society</b>						
APSnet Education Center publications	Ongoing	Set by publication	<ul style="list-style-type: none"> <li>• Scientific content</li> <li>• Pedagogical quality (k-12, introductory, advanced levels)</li> </ul>	<ul style="list-style-type: none"> <li>• Peer-reviewed journal</li> <li>• 5-year reviews</li> <li>• accept, not accept, accept with major/minor revisions</li> </ul>	Editor-in-Chief, senior editor, ad hoc reviewers according to content	None

Resource Type	Review Schedule	Time Frame for Reviews	Review Criteria	Review Ratings	Reviewers	Others Involved
<b>The American Society for Cell Biology</b>						
<i>Cell Biology Education</i> journal (online quarterly) <a href="http://www.cellbioed.org">www.cellbioed.org</a>	Ongoing	4 weeks	<ul style="list-style-type: none"> <li>• Accessible to broad audience</li> <li>• Value to life science educators</li> <li>• Assessment</li> </ul>	<ul style="list-style-type: none"> <li>• Accept, no revisions</li> <li>• Accept with revisions</li> <li>• Revise and review</li> <li>• Reject</li> </ul>	Editorial Board and outside reviewers	