# Welcome to the 16TH Annual EMUG BOSTON

## #EMUG2018

em Editorial Manager® pm ProduXion Manager®

# Co-Author Workflows & Functionality


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16th Annual em Editorial Manager® User Group Meeting

Aries systems

# Agenda

- Co-Author Verification
- Journal Office Author Visibility
- Other Author Notifications
- Co-Authors on the Transmittal Form
- ORCID solicitation
- CRediT (w/Special Guest: Anne Tran - PLOS)

# Co-Author Verification

There are 3 options for Co-Author Verification:

1. Corresponding Author Only
2. Co-Authors verify upon new submission/revision
3. Co-Authors register and verify upon new submission/revision

# 1. Corresponding Author Only

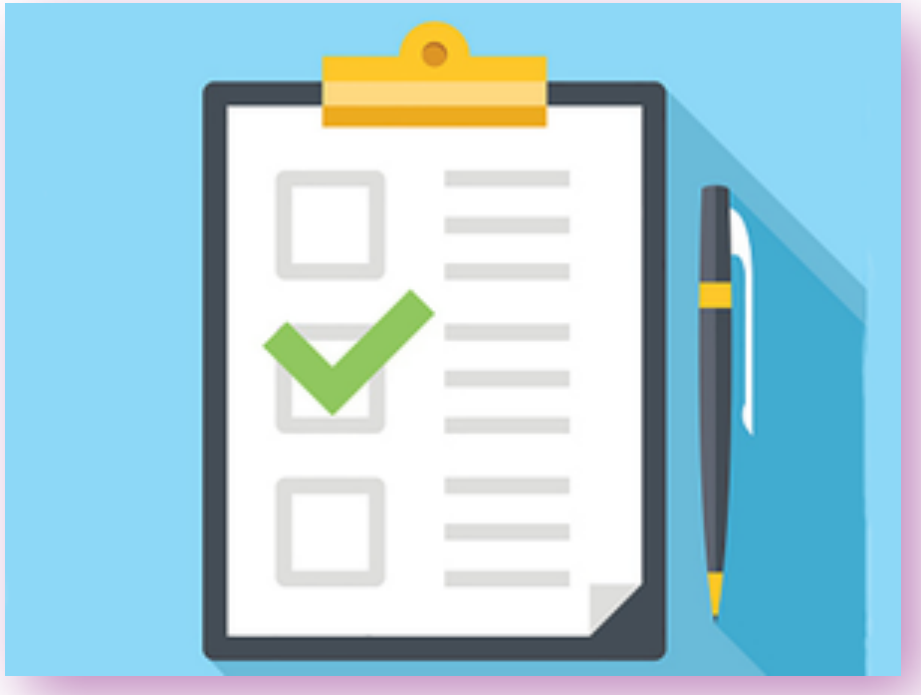
- The Co-Author information is stored with other manuscript data, but there is no contact with the Co-Authors
- All communication is with the Corresponding Author only
- Not really a true “verification” of Co-Authors

# 2. Co-Authors verify upon new submission/revision

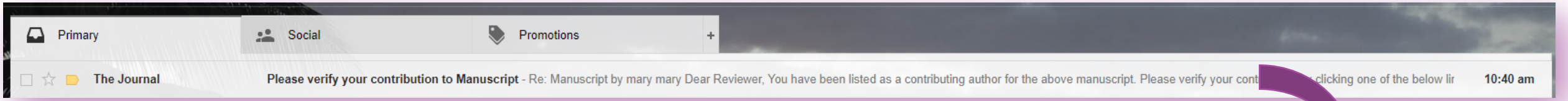
- Triggers a link that goes out in a letter to Co-Authors so that they can confirm their participation with the submission
- No login required

# 3. Co-Authors register and verify upon new submission/revision

- Required Co-Authors to *register* in EM to confirm their participation with the submission
- Login required
- Can be achieved via letter



# Co-Author Verification Letter:




Please verify your contribution to Manuscript Inbox x

**The Journal** <em@editorialmanager.com>
to me

Re: Manuscript
by mary mary

Dear Reviewer,

You have been listed as a contributing author for the above manuscript. Please verify your contribution by clicking one of the below links.

Yes, I am affiliated: https://demojes141.editorialmanager.com/l.asp?i=382&l=GPUN4FR7

No, I am not affiliated: https://demojes141.editorialmanager.com/l.asp?i=383&l=PXJA87WI

Thank you,

JES Demo 14.1

# Co-Author Verification Configurations

- Article Type configuration: System Administrator Functions > PolicyManager > Edit Article Types > Select Article Type to edit > Co-Author Parameters:

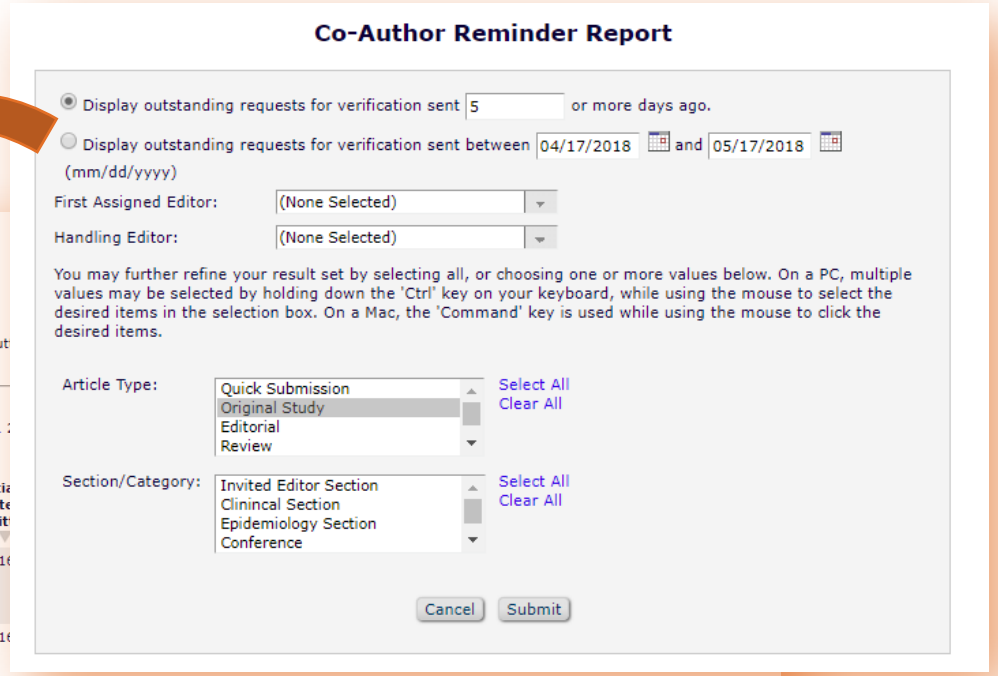
# Journal Office Visibility on Co-Authors

Editorial Manager has many ways for the Journal Office to gain visibility on their Co-Authors:

- Reporting
- Author Status Page
- Author Questionnaire
- ORCIDs
- Contributor Roles

# Chasing Co-Authors who have not verified

- Co-Author Reminder Report:




**Co-Author Reminder Report**

**Content:** All Co-Author verification requests that have been outstanding for 5 or more da

Check the checkbox if you want to send a reminder to the Co-Author for that submission. You will have the opportunity to customize the individual reminder letters after clicking the 'S minders' but

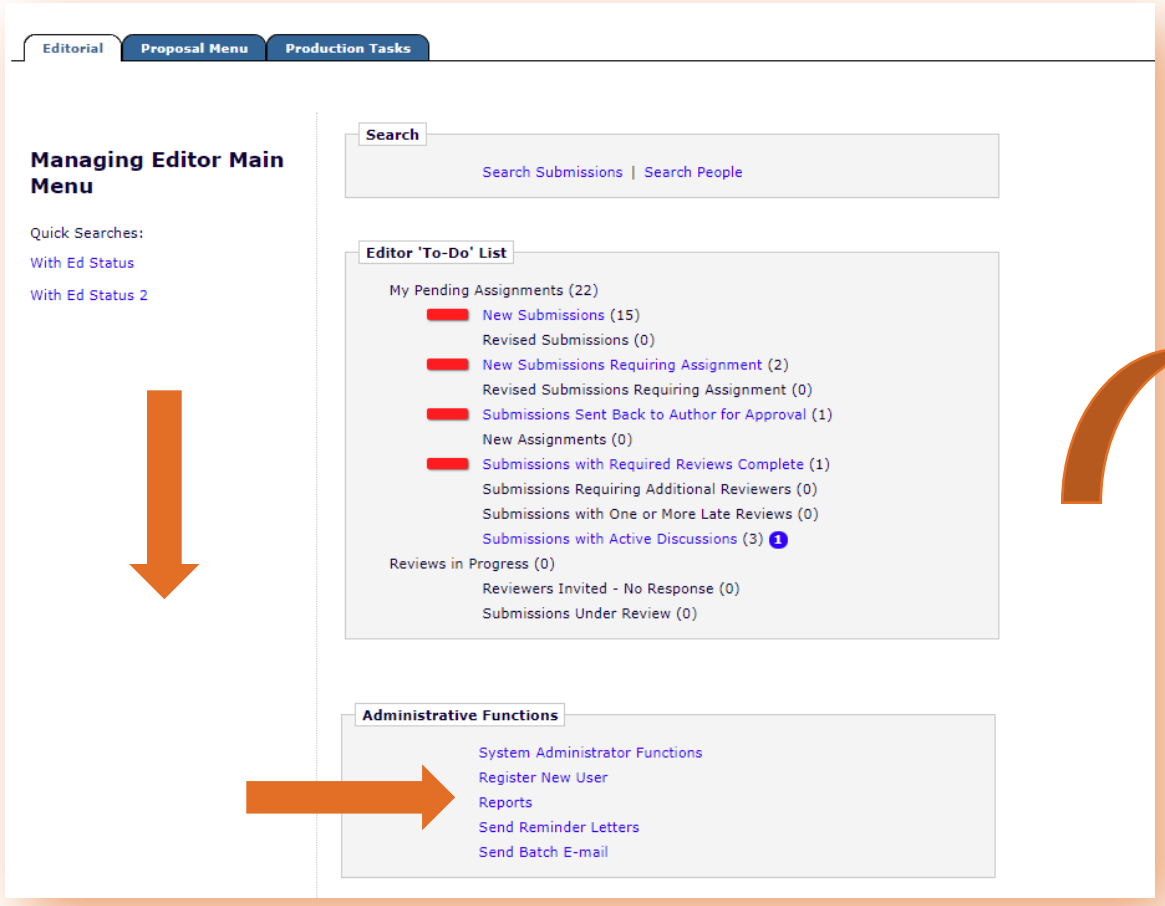
Check All Clear All

Page: 2 of 2 (18 total submission records) |< << 1

| Send Reminder | Manuscript Number | Article Type | Article Title | Editorial Status | Co-Author Name | Co-Author E-mail Address | First Assigned Editor | Handling Editor | Initia Date Submit | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ☑ | WEBDEM-D-16-00012 Details History | Original Study | demo | Revise | m c | c@trash.com | mary mary | | Jun 13, 201 | | | | |
| ☐ | WEBDEM-D-16-00013 Details History | Original Study | EMUG demo | Manuscript Submitted | Jane Doe | doe@trash.com | | | Jun 14, 201 | | | | |
| ☑ | WEBDEM-D-16-00016 Details History | Original Study | EMUG 2016 | Under Review | Melanie Cotterell | mcotterell@ariessys.com | Mary Smith | Mary Smith | Jun 16, 2016 | | Jun 16, 2016 | 701 | 0 |
| ☐ | WEBDEM-D-16-00018 Details History | Original Study | EEMUG 2017 | Required Reviews Completed | Melanie Cotterell | mcotterell2@ariessys.com | Mary Smith | Mary Smith | Dec 30, 2016 | | Dec 30, 2016 | 504 | 0 |
| ☑ | WEBDEM-D-17-00001R1 Details History | Original Study | EEMUG other | Under Review | Lincoln Hawthorne | jenlfleet@yahoo.com | Ellen Editor | Ellen Editor | Jan 04, 2017 | Jan 04, 2017 | Jan 04, 2017 | 499 | 0 |
| ☑ | WEBDEM-D-17-00001R1 Details History | Original Study | EEMUG other | Under Review | Brian Papa | bpapa@trash.com | Ellen Editor | Ellen Editor | Jan 04, 2017 | Jan 04, 2017 | Jan 04, 2017 | 499 | 0 |
| ☐ | WEBDEM-D-17-00002 Details History | Original Study | EEMUG 2017 | Revise | Elizabeth Hopkins | bhopkins@ariessys.com | Dianne Gullo | | Jan 12, 2017 | | Jan 12, 2017 | 491 | 0 |
| ☐ | WEBDEM-D-17-00005 Details History | Original Study | Transfer co-author questionnaire | Submission Transferred | Victoria Scibilia | vscibilia@ariessys.com | | | Apr 11, 2017 | | Apr 11, 2017 | 402 | 0 |

# Co-Author Reminder Report Configurations

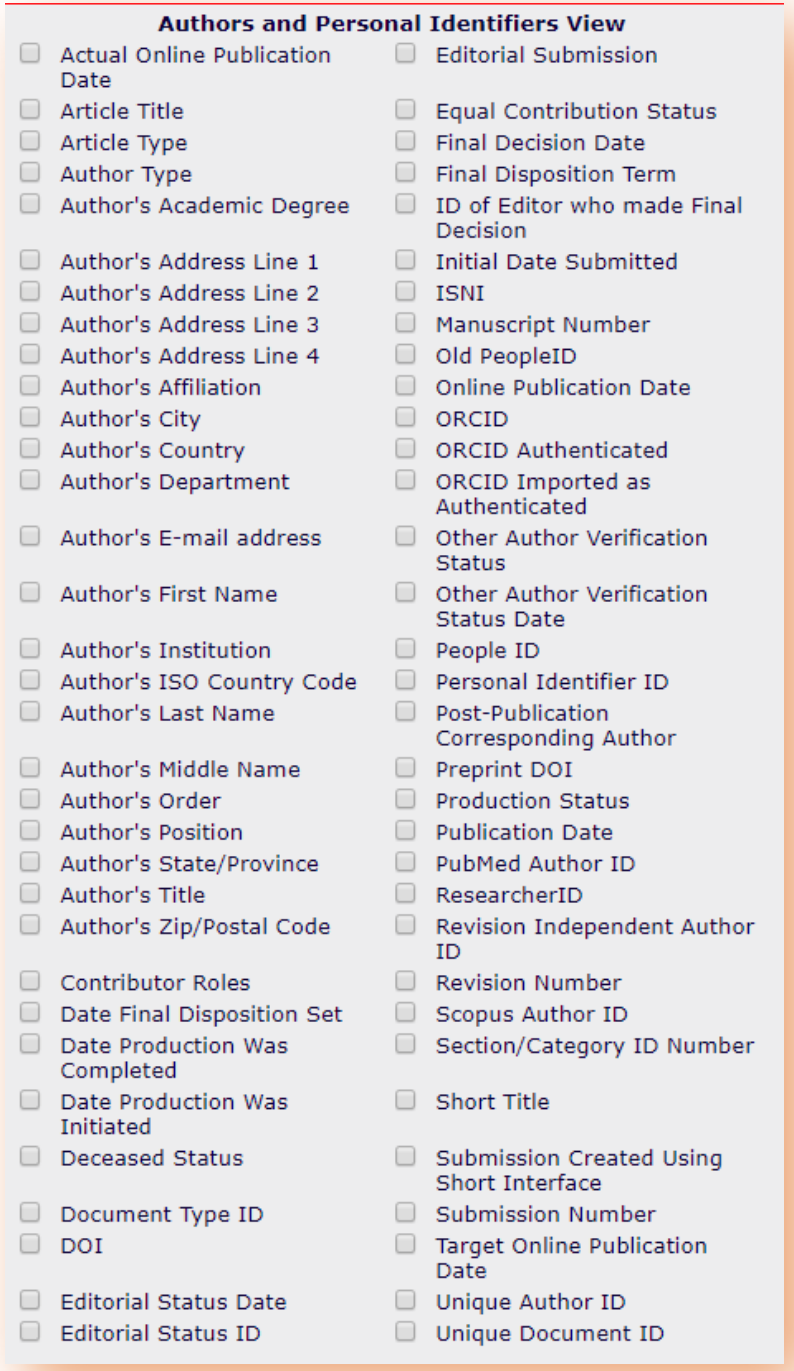
- Editor Main Menu > Reports > Author Reminder Reports:



# Co-Author Reporting

Helpful Co-Author Data to use in reports:

- Authors View (Enterprise Analytics Reporting or EAR)
- Authors and Personal Identifiers View (EAR)
- Authors and Submissions View (EAR)
- Contributor Information (EAR)
- Author Table (General Data Export or GDE)



# Co-Author Reporting

- EAR Report using the "Authors and Personal Identifiers" View:

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Manuscript Number | Article Title | Article Type | Revision Number | Author`s First Name | Author`s Last Name | Author`s E-mail address | Author Type | Author`s Academic Degree | Author`s Institution | Author`s Order | Contributor Roles | ORCID | Other Author Verification Status | Other Author Verification |
| 152 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 1 | Adam | Author | aauthor@ariestrash.com | off | | | 3 | | | 0 | 5/23/2018 |
| 153 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 1 | Angela | Author | angauth@ariestrash.com | off | | | 5 | | | 0 | 5/23/2018 |
| 154 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 1 | Astrid | Author | astridauth@ariestrash.com | off | | | 4 | | | 0 | 5/23/2018 |
| 155 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 1 | Jessica | Reviewer | jsnapke@gmail.com | off | | | 2 | | 0000-0003-1135 | 2 | 5/23/2018 |
| 156 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 1 | mary | mary | jsnapke@ariessys.com | on | | | 1 | | | | |
| 157 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 2 | Adam | Author | aauthor@ariestrash.com | off | | Michigan State | 3 | | | 0 | 5/23/2018 |
| 158 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 2 | Ainsley | Author | ainsauth@ariestrash.com | off | | Michigan State | 5 | | | 0 | 5/23/2018 |
| 159 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 2 | Astrid | Author | astridauth@ariestrash.com | off | | Michigan State | 4 | | | 0 | 5/23/2018 |
| 160 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 2 | Jessica | Reviewer | jsnapke@gmail.com | off | MSLIS | Michigan State | 2 | | 0000-0003-1135 | 2 | 5/23/2018 |
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| 162 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 0 | Ainsley | Author | ainsauth@ariestrash.com | off | | Michigan State | 4 | Investigation:Supporting; Meth | | 0 | 5/31/2018 |
| 163 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 0 | Albert | Author | alauth@ariestrash.com | off | | Michigan State | 6 | Writing - Original Draft:Equal; W | | 0 | 5/31/2018 |
| 164 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 0 | Astrid | Author | astridauth@ariestrash.com | off | | Michigan State | 5 | Project administration:Supporti | | 0 | 5/31/2018 |
| 165 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 0 | Jessica | Reviewer | jsnapke@gmail.com | off | MSLIS | | 2 | Conceptualization:Lead; Data cu | | 2 | 5/31/2018 |
| 166 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 0 | mary | mary | jsnapke@ariessys.com | on | | | 1 | | | | |
| 167 | DEMOJES141-D-18-0004 | Manuscript | Original Study | 0 | Victoria | Scibilia | vscibilia@ariessys.com | off | | Michigan State | 3 | Formal analysis: | 0000-0002-4950 | 2 | 5/31/2018 |
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| 180 | DEMOJES141-D-18-0004 | Title | Original Study | 0 | Jessica | Reviewer | jsnapke@gmail.com | off | | | 3 | | | 2 | 6/5/2018 |
| 181 | DEMOJES141-D-18-0004 | Title | Original Study | 0 | mary | mary | jsnapke@ariessys.com | on | | | 1 | | | | |
| 182 | DEMOJES141-D-18-0004 | Title | Original Study | 0 | Victoria | Scibilia | vscibilia@ariessys.com | off | | | 2 | | 0000-0002-4950 | 0 | 6/5/2018 |
| 183 | DEMOJES141-D-18-0005 | Authors, Co-Authors! | Original Study | 0 | Aaron | Author | aaronauth@ariestrash.com | off | | Michigan State | 4 | | | 0 | 6/11/2018 |
| 184 | DEMOJES141-D-18-0005 | Authors, Co-Authors! | Original Study | 0 | Ainsley | Author | ainsauth@ariestrash.com | off | | Michigan State | 3 | | | 0 | 6/11/2018 |
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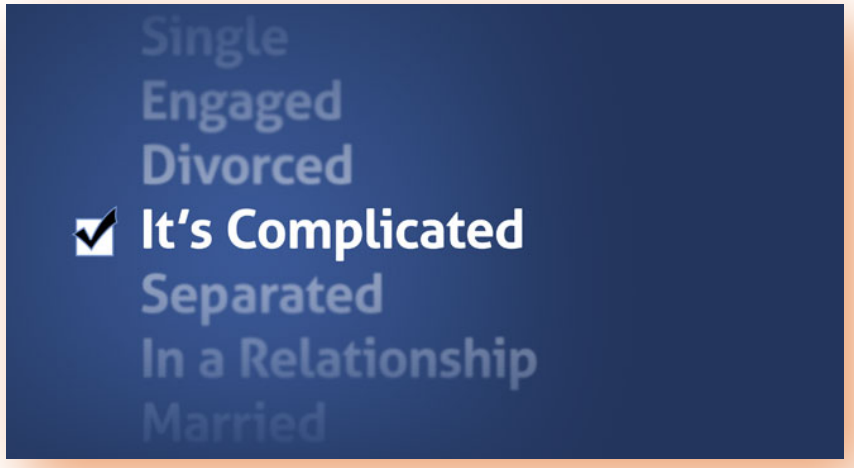
| 187 | | | | | | | | | | | | | | | |

# (Other) Author Status Page

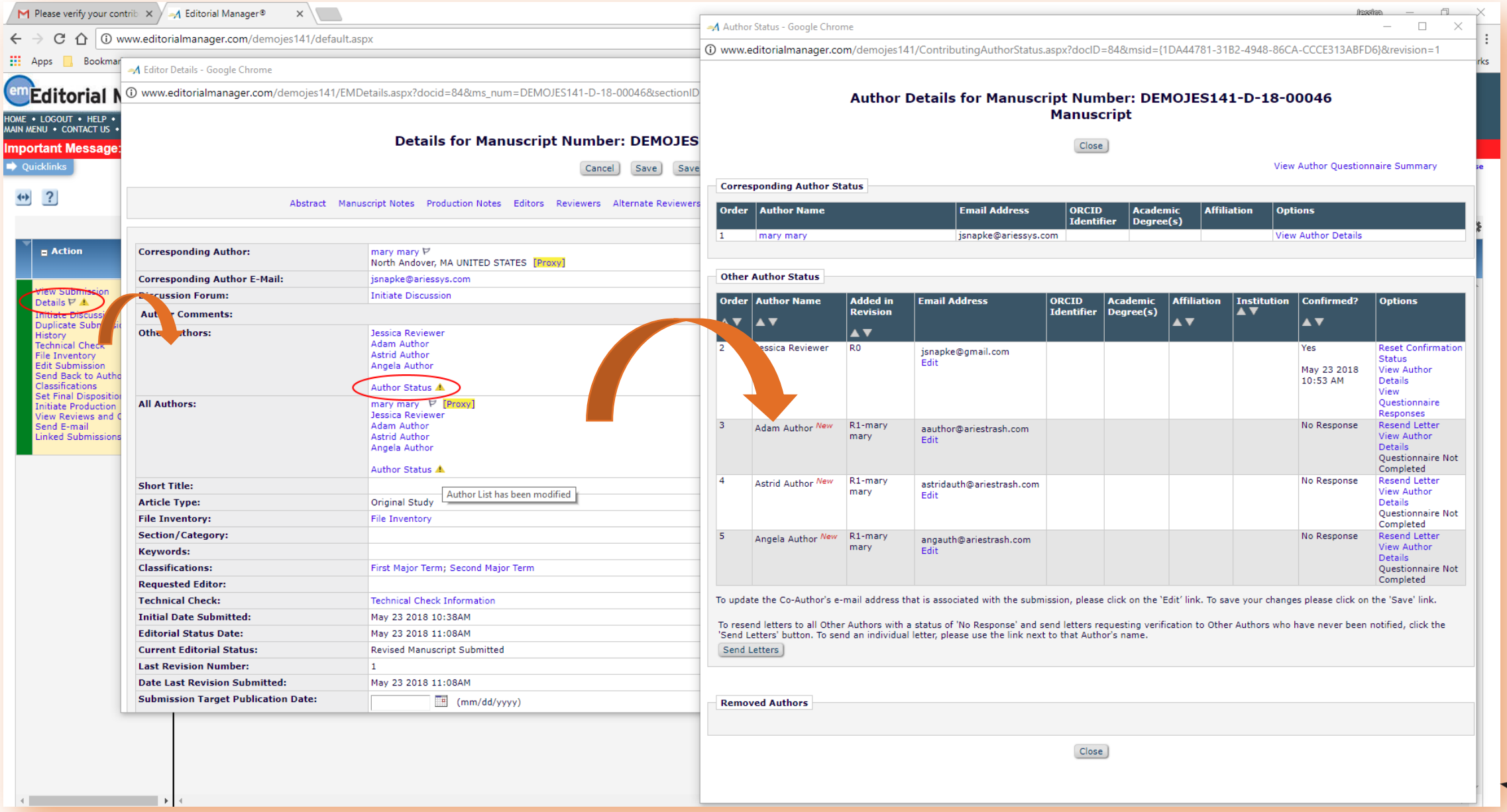


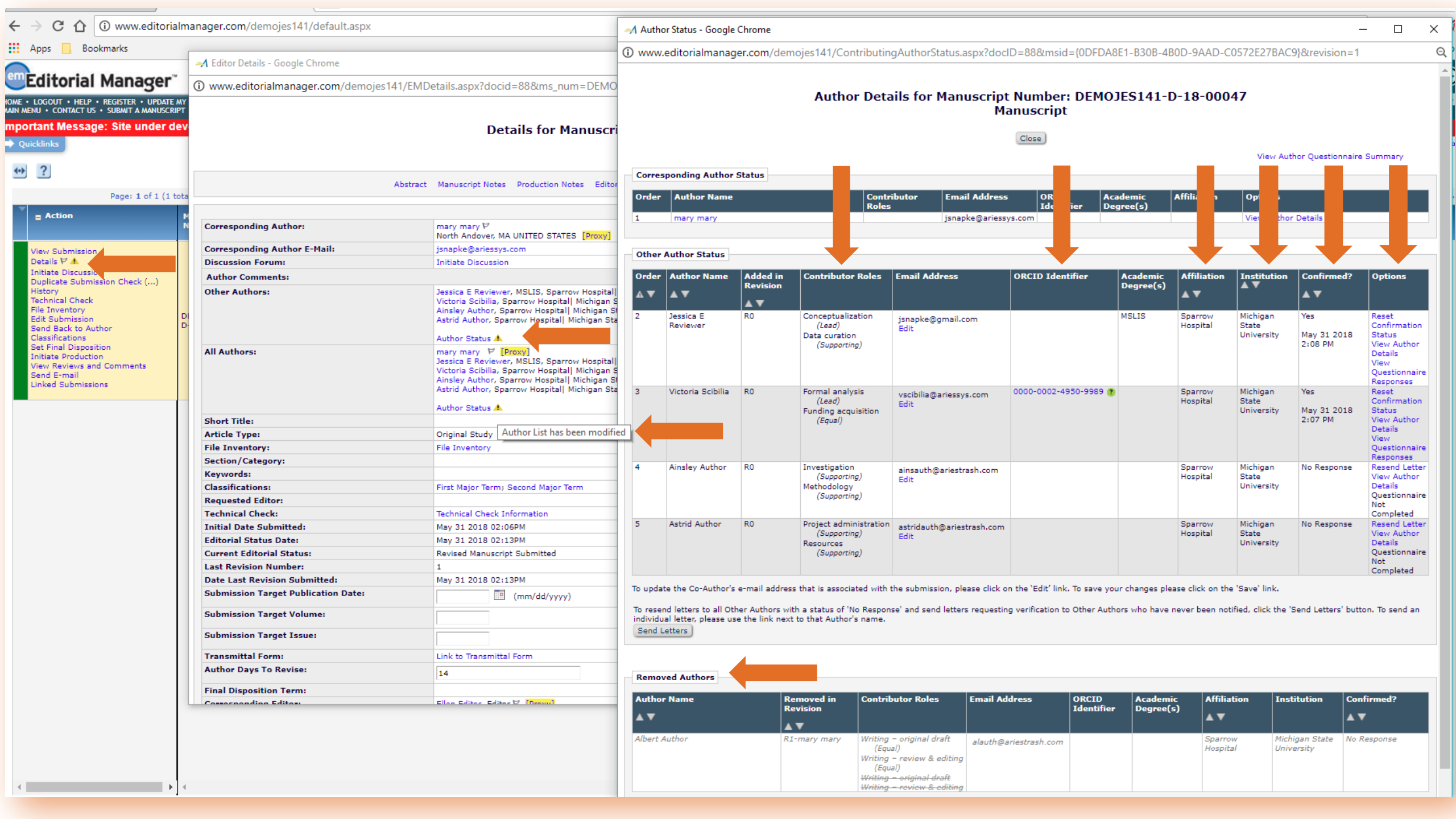

Points of Visibility:

- Author changes between versions
- Contributor Roles
- ORCID Information
- Institution and Affiliation
- Author Participation Confirmation
- Re-send verification letter
- Questionnaire Responses
- Author Details

# (Other) Author Status Page

Manuscript > "Details" link > Details Page > Author Status:

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Bookmarks
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jsnapke@ariessys.com
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Initiate Discussion
Author Comments:
Other Authors:
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Victoria Scibilia, Sparrow Hospital| Michigan S
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Astrid Author, Sparrow Hospital| Michigan Sta
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File Inventory:
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Keywords:
Classifications:
First Major Term; Second Major Term
Requested Editor:
Technical Check:
Technical Check Information
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May 31 2018 02:06PM
Editorial Status Date:
May 31 2018 02:13PM
Current Editorial Status:
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Submission Target Publication Date:
(mm/dd/yyyy)
Submission Target Volume:
Submission Target Issue:
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14
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Author Details for Manuscript Number: DEMOJES141-D-18-00047
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Email Address
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jsnapke@ariessys.com
Other Author Status
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Author Name
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ORCID Identifier
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Institution
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2
Jessica E Reviewer
R0
Conceptualization (Lead)
Data curation (Supporting)
jsnapke@gmail.com
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Michigan State University
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Victoria Scibilia
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Formal analysis (Lead)
Funding acquisition (Equal)
vscibilia@ariessys.com
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Investigation (Supporting)
Methodology (Supporting)
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Michigan State University
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Questionnaire Not Completed
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Astrid Author
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Project administration (Supporting)
Resources (Supporting)
astridauth@ariestrash.com
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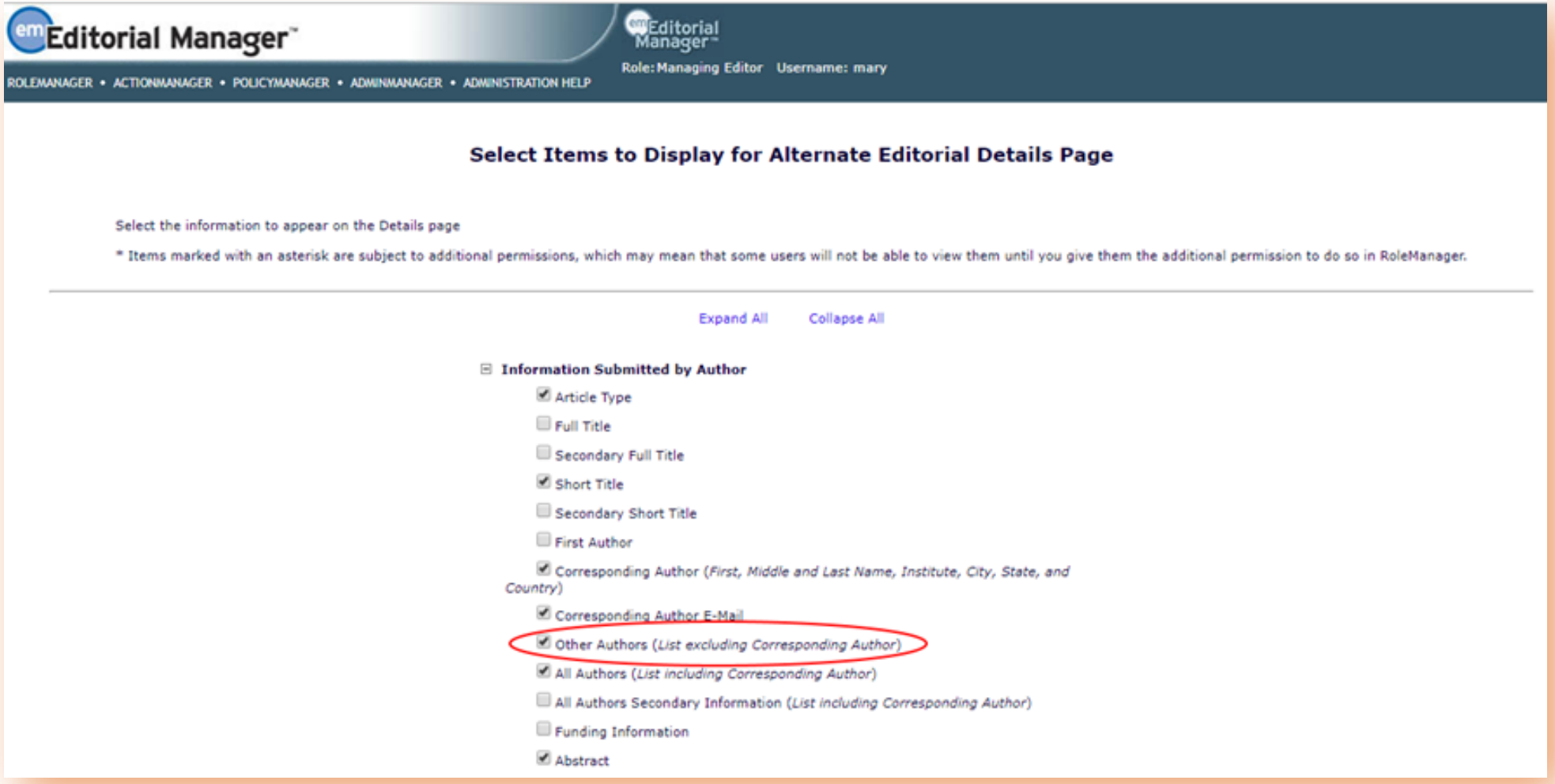
Michigan State University
No Response
Resend Letter
View Author Details
Questionnaire Not Completed
To update the Co-Author's e-mail address that is associated with the submission, please click on the 'Edit' link. To save your changes please click on the 'Save' link.
To resend letters to all Other Authors with a status of 'No Response' and send letters requesting verification to Other Authors who have never been notified, click the 'Send Letters' button. To send an individual letter, please use the link next to that Author's name.
Send Letters
Removed Authors
Author Name
Removed in Revision
Contributor Roles
Email Address
ORCID Identifier
Academic Degree(s)
Affiliation
Institution
Confirmed?
Albert Author
R1-mary mary
Writing – original draft (Equal)
Writing – review & editing (Equal)
~~Writing – original draft~~
~~Writing – review & editing~~
alauth@ariestrash.com
Sparrow Hospital
Michigan State University
No Response

# Options Column

- Reset Co-Author's status with the paper from "Confirmed" to "No Response"
- View the Co-Author's responses to Co-Author Questionnaire
- View the Co-Author's Details on one page – name, degrees, institution, affiliation, ORCID, contributor roles
- Resend the Co-Author verification letter
- Informs that the Co-Author Questionnaire has not been completed

# Configurations

- To configure: PolicyManager > Define Details Page Layouts > Edit > “Select Items To Display” > Select “Other Authors (List Excluding Corresponding Author)” > Submit



# Institution AND Affiliation

- New feature in 14.1
  - Institution can now be displayed on Author Details Page
  - Previously only Affiliation was displayed
- New feature in 15.0 (or early adopters in 14.1)
  - Affiliation metadata is now extracted
- That's great! What's the difference?
  - In terms of EM:
    - Institution: Author's PRIMARY organization – single field dropdown (populated with RingGold institution list)
    - Affiliation: Author's OTHER organization(s) – text box for multiple entries

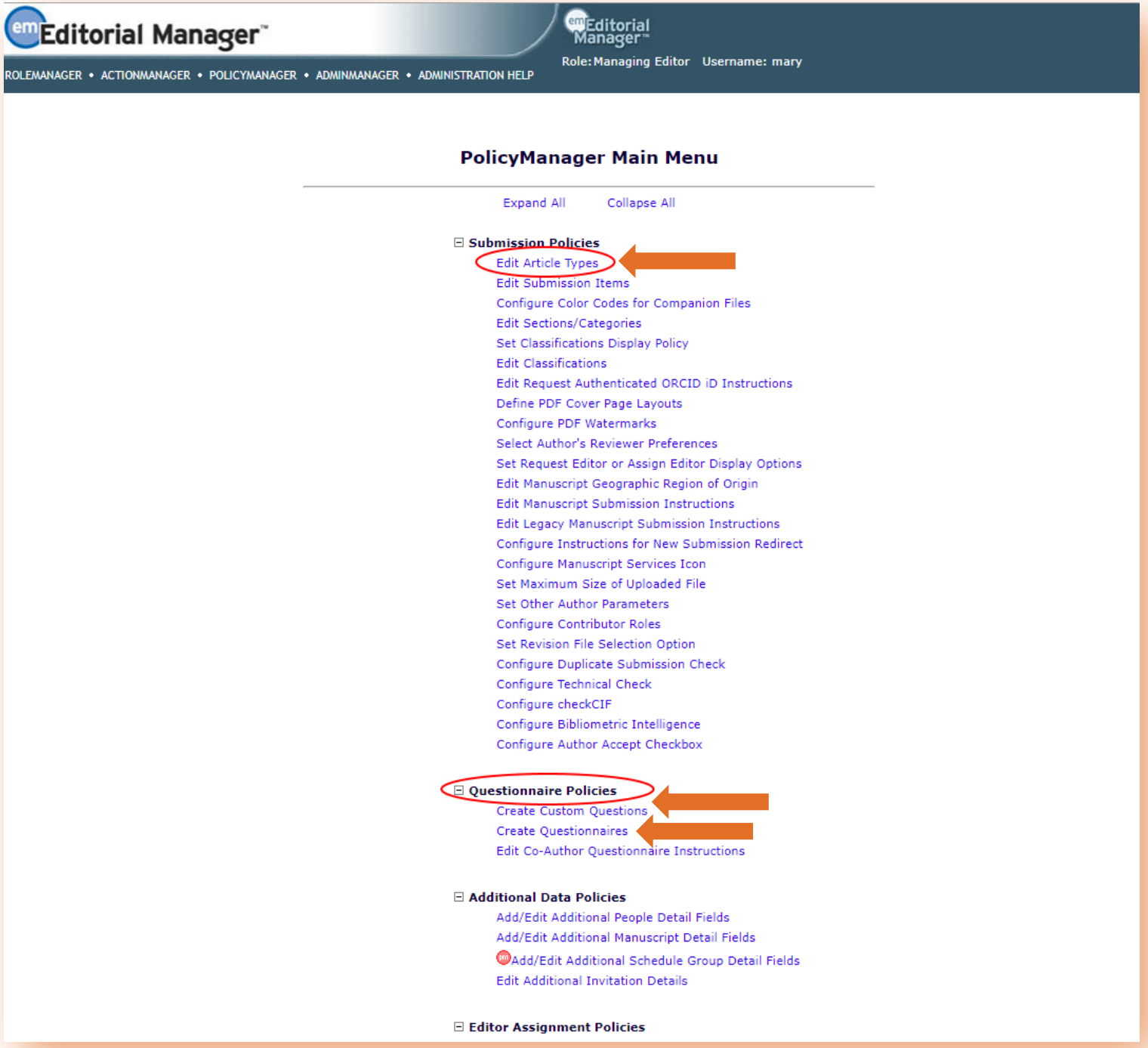
# Author Questionnaire

- Way to capture information you from Co-Authors that you may not want/need from Corresponding Authors
- Responses travel with the MS just like Submission Questionnaire responses
- Can be Required or Optional

# Configurations

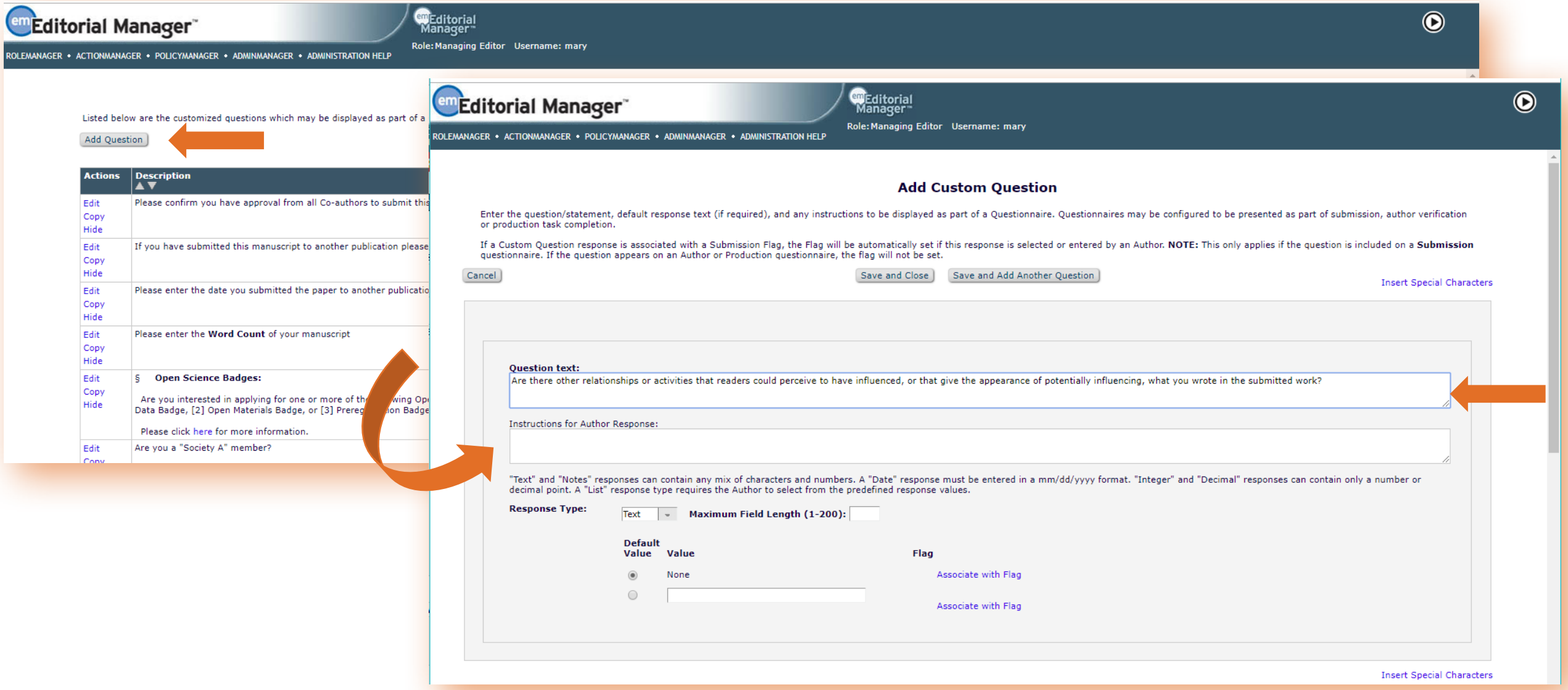
Identical process as Submission Questions/ Questionnaires:

1. Create Question in Question Pool
2. Add to a Questionnaire
3. Tie Questionnaire to an Article Type



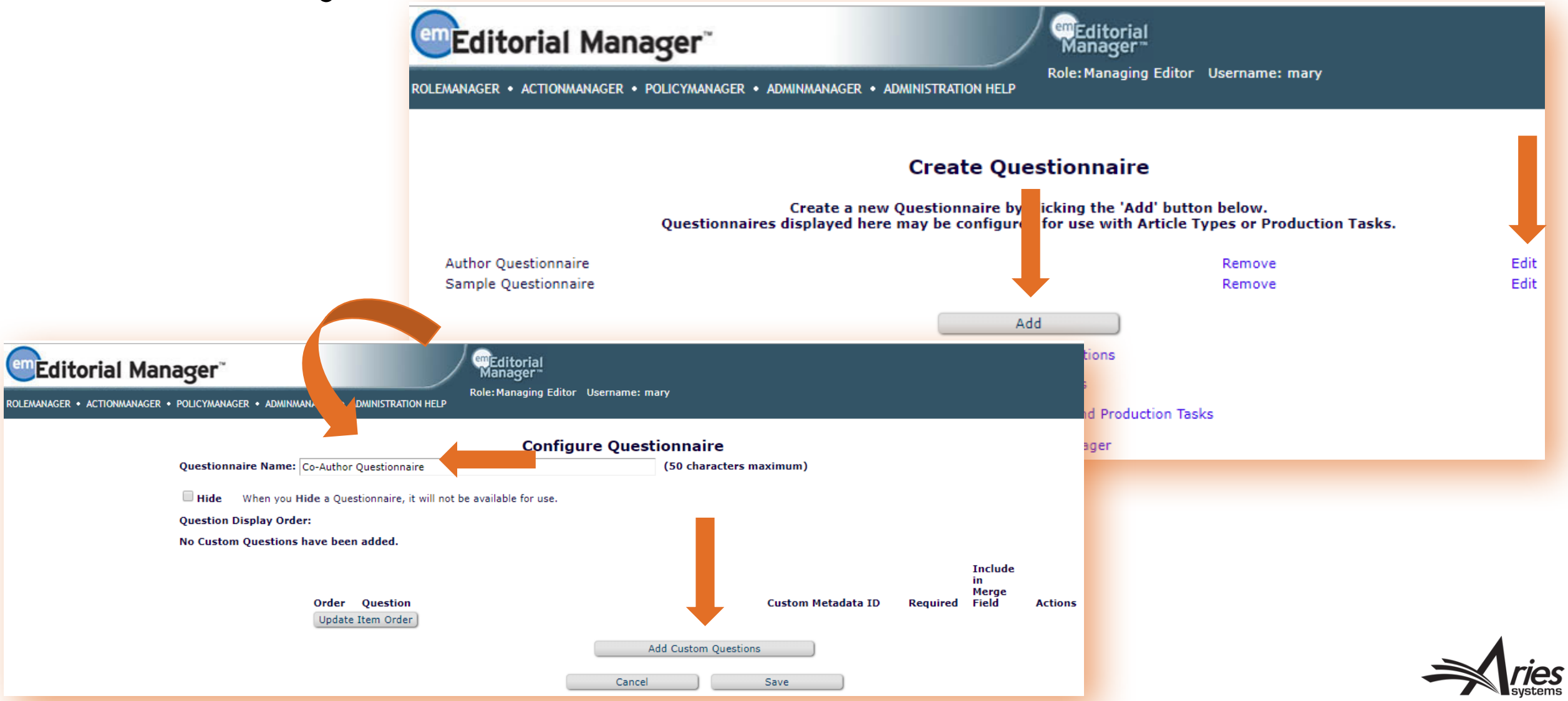
# 1. Create Question in Question Pool/Library

- System Admin Functions > PolicyManager > Questionnaire Policies > Create Custom Questions > Add Question button

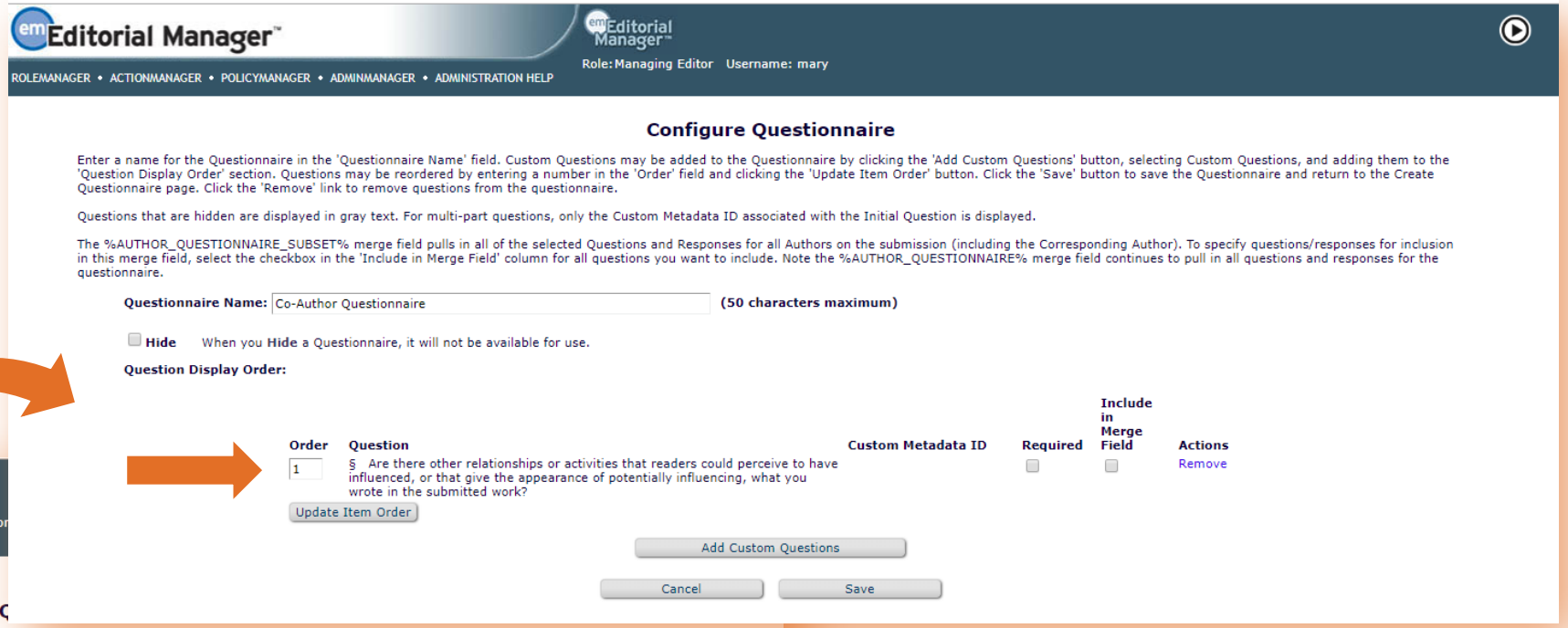


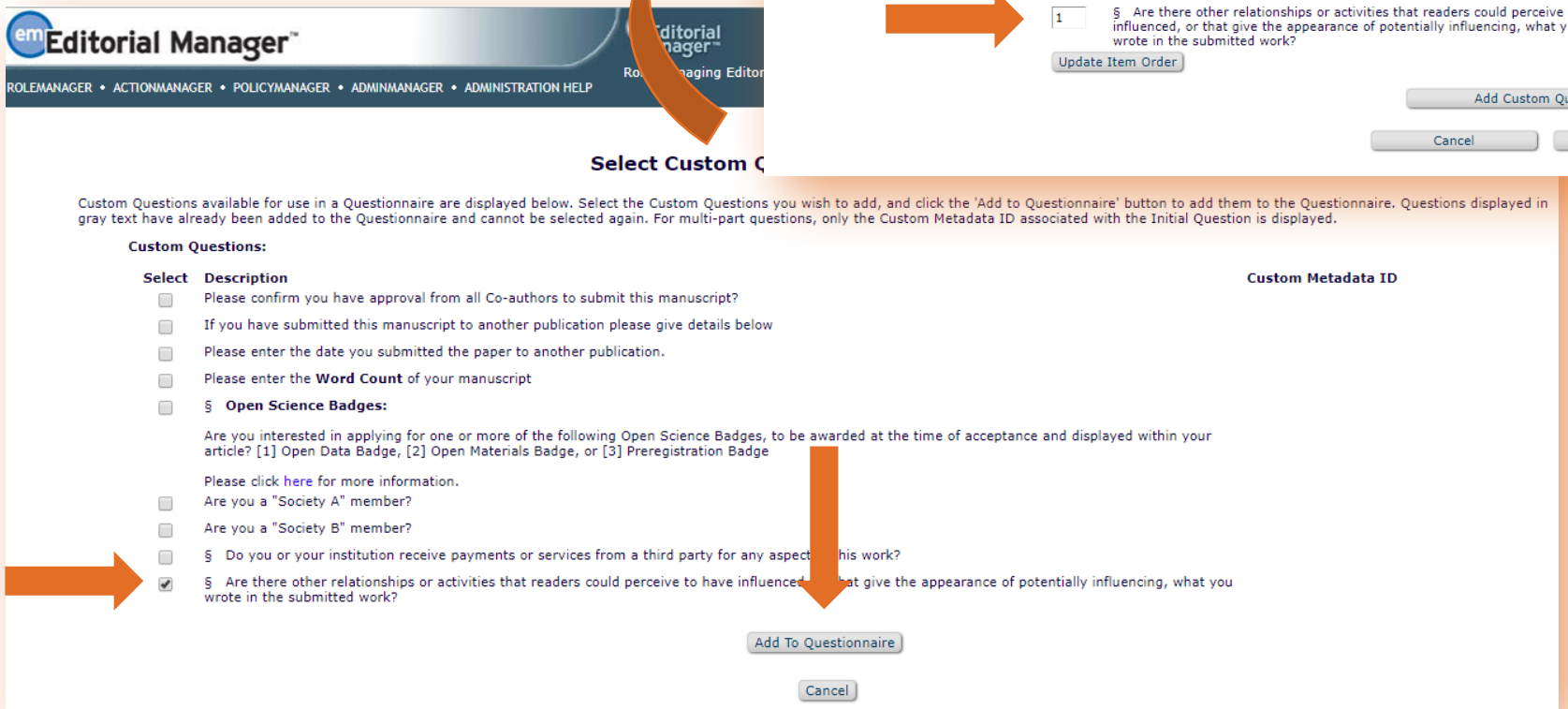
# 2. Add Question to Questionnaire

- System Admin Functions > PolicyManager > Questionnaire Policies > Create Questionnaire > Either edit existing or create new > Add Custom Questions



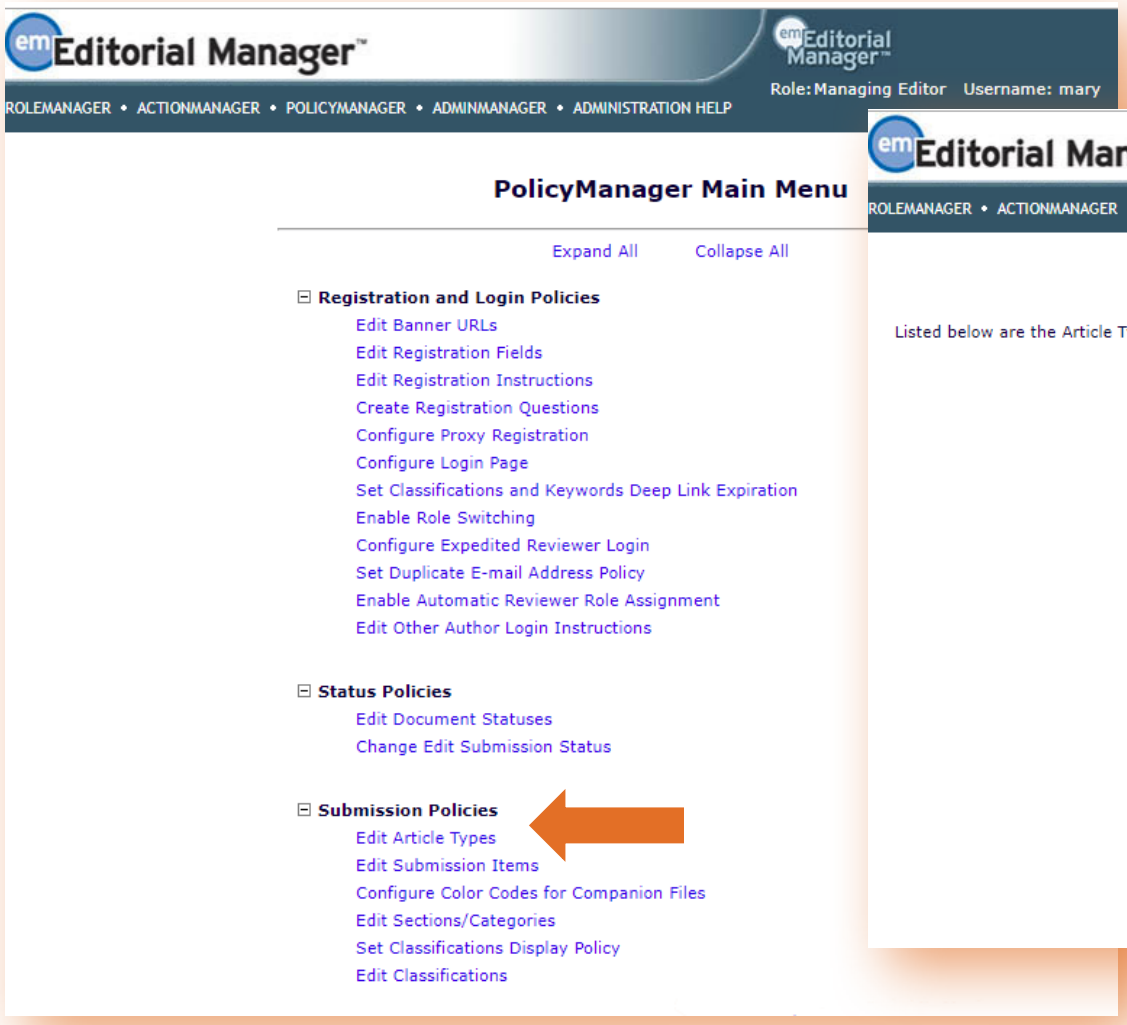
# 2. Add Question to Questionnaire

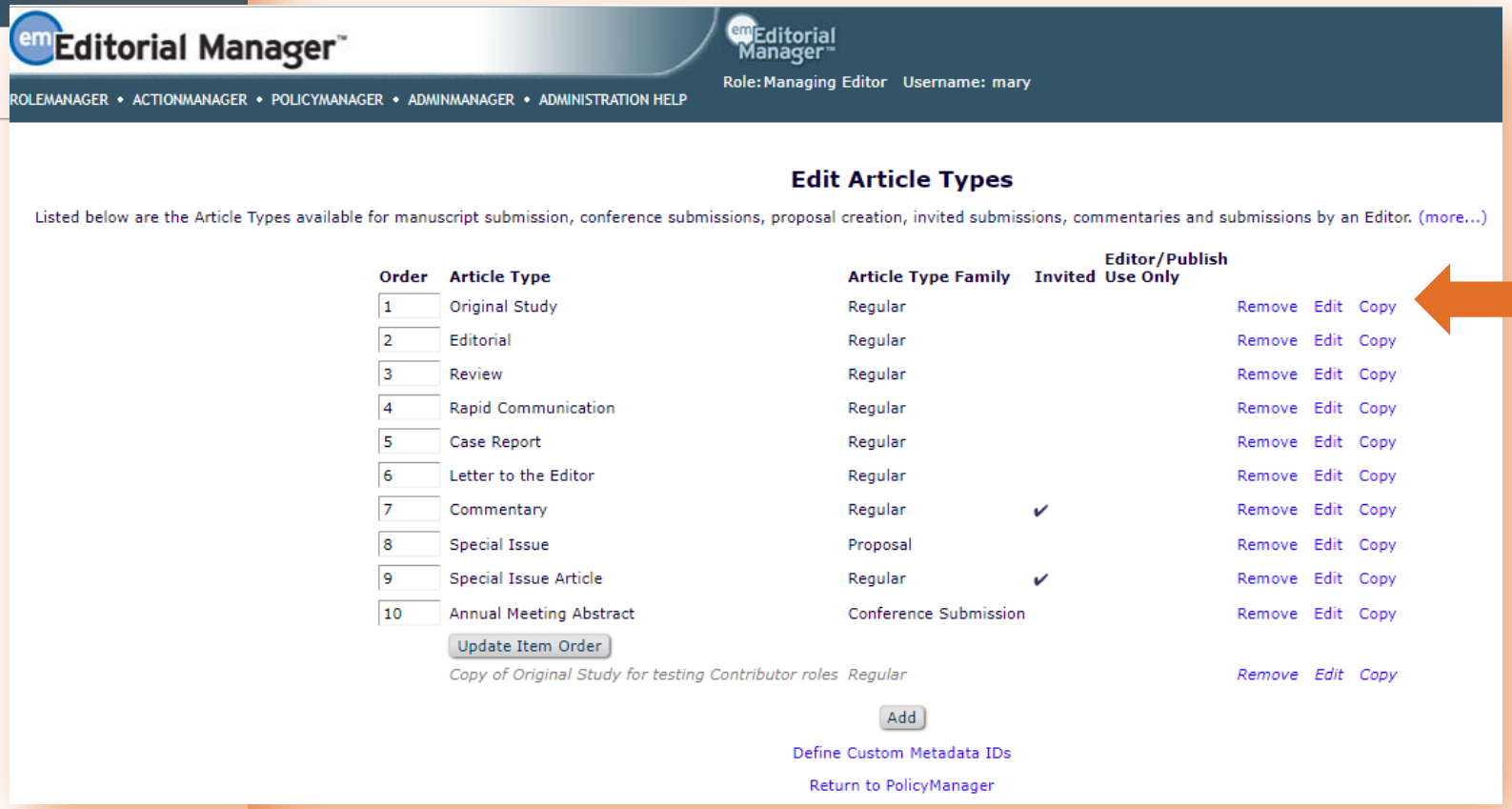


# 3. Tie Questionnaire to an Article Type

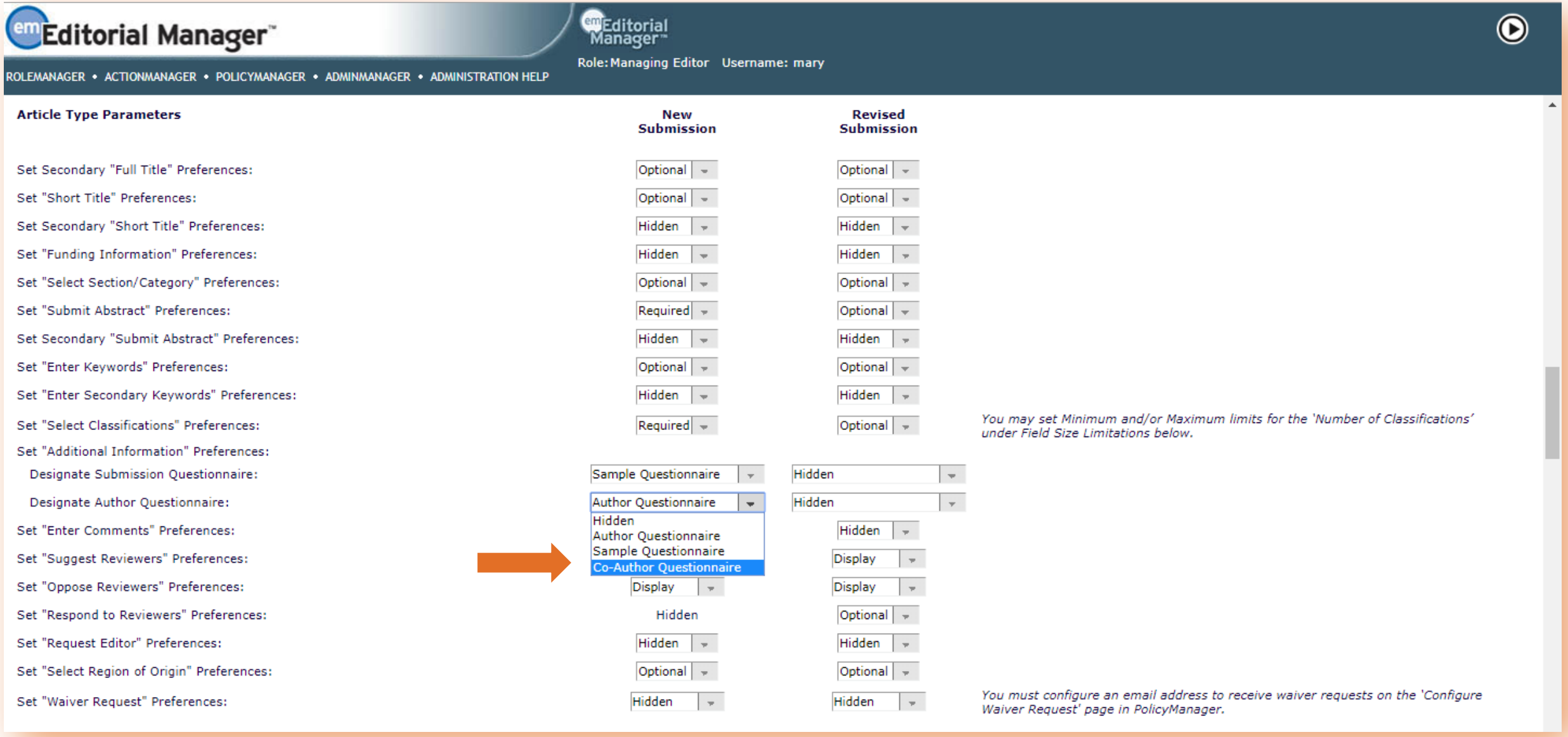
- System Admin Functions > PolicyManager > Edit Article Types > Edit existing, copy existing, or create new > Article Type Parameters > …



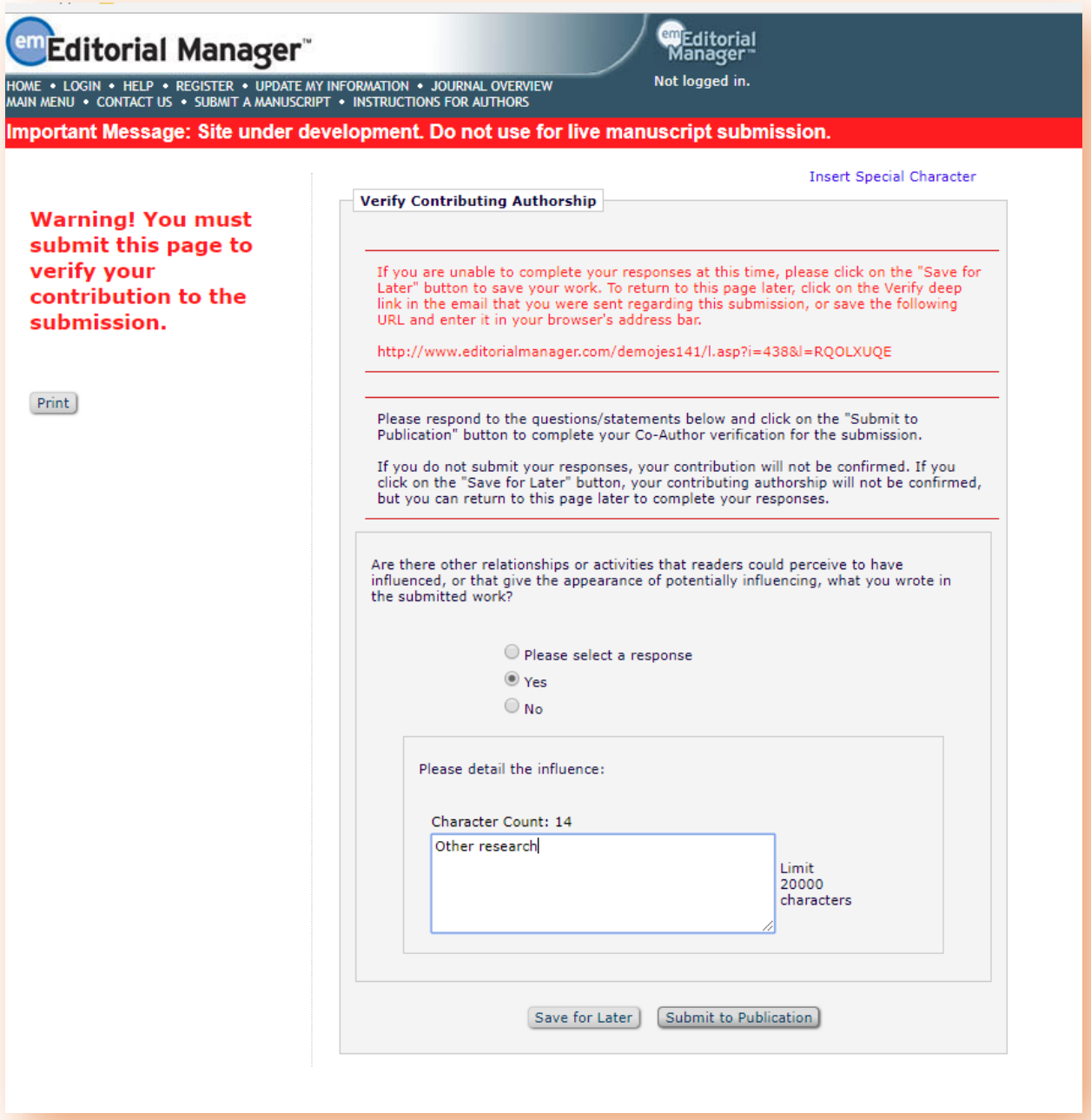



# 3. Tie Questionnaire to an Article Type

- Designate Author Questionnaire > Select Questionnaire from Dropdown



# Co-Author Questionnaire




- Co-Author Questionnaire from Co-Author verification email deep link

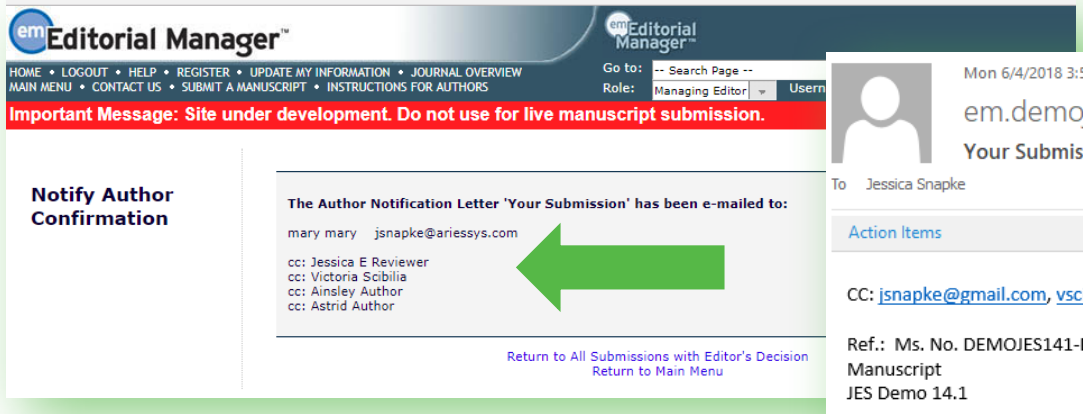
# Other Author Notifications

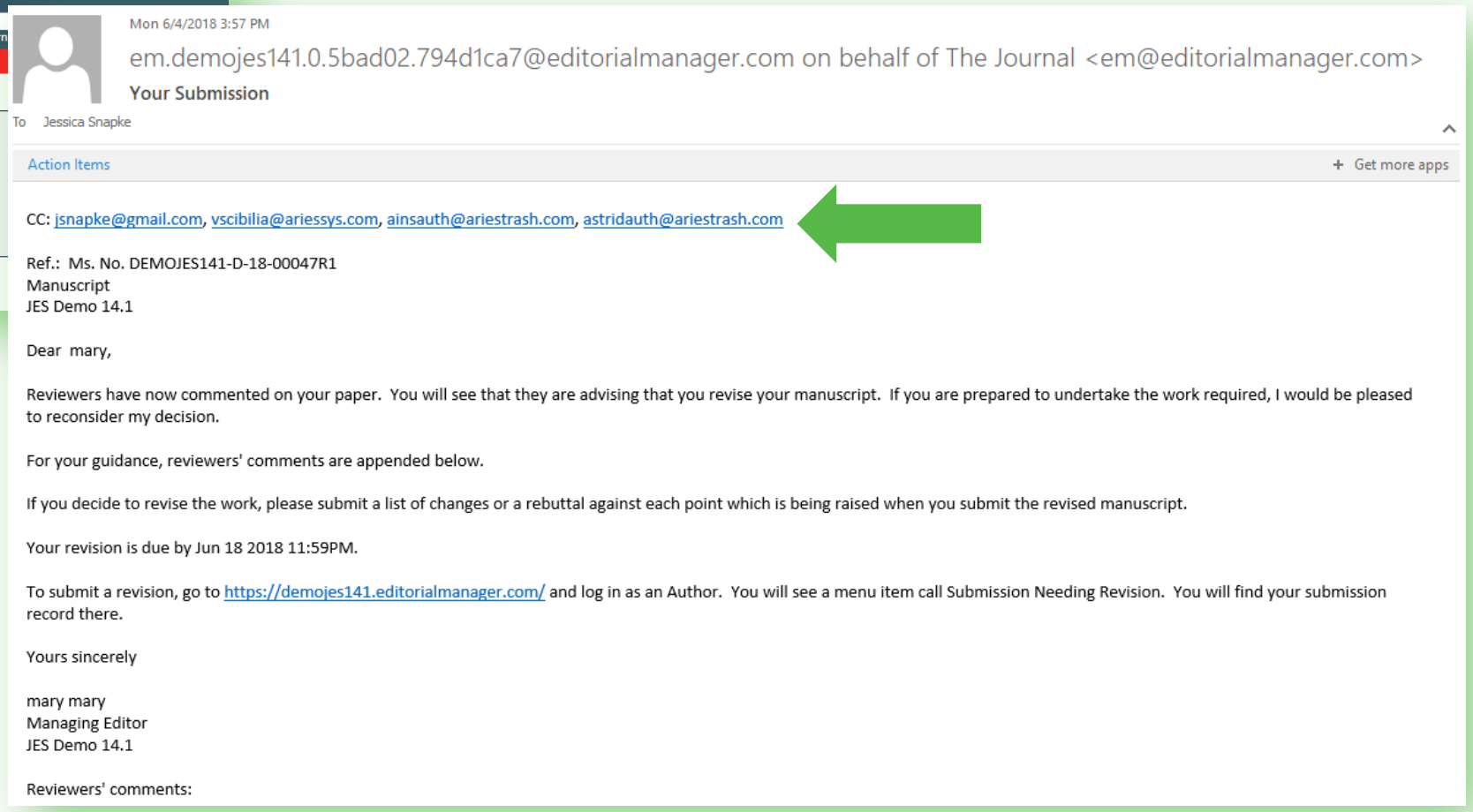
- EM allows Co-Authors to be automatically copied on Decision Letters or gives the Editor the option to copy all Co-Authors (on a per-letter basis)
- Configure letters to come from the Corresponding Author (rather than Editor)

# Other Author Notifications

- EM allows Co-Authors to be automatically copied on Decision Letters or gives the Editor the option to copy all Co-Authors (on a per-letter basis)

Co-Author automatically copied:

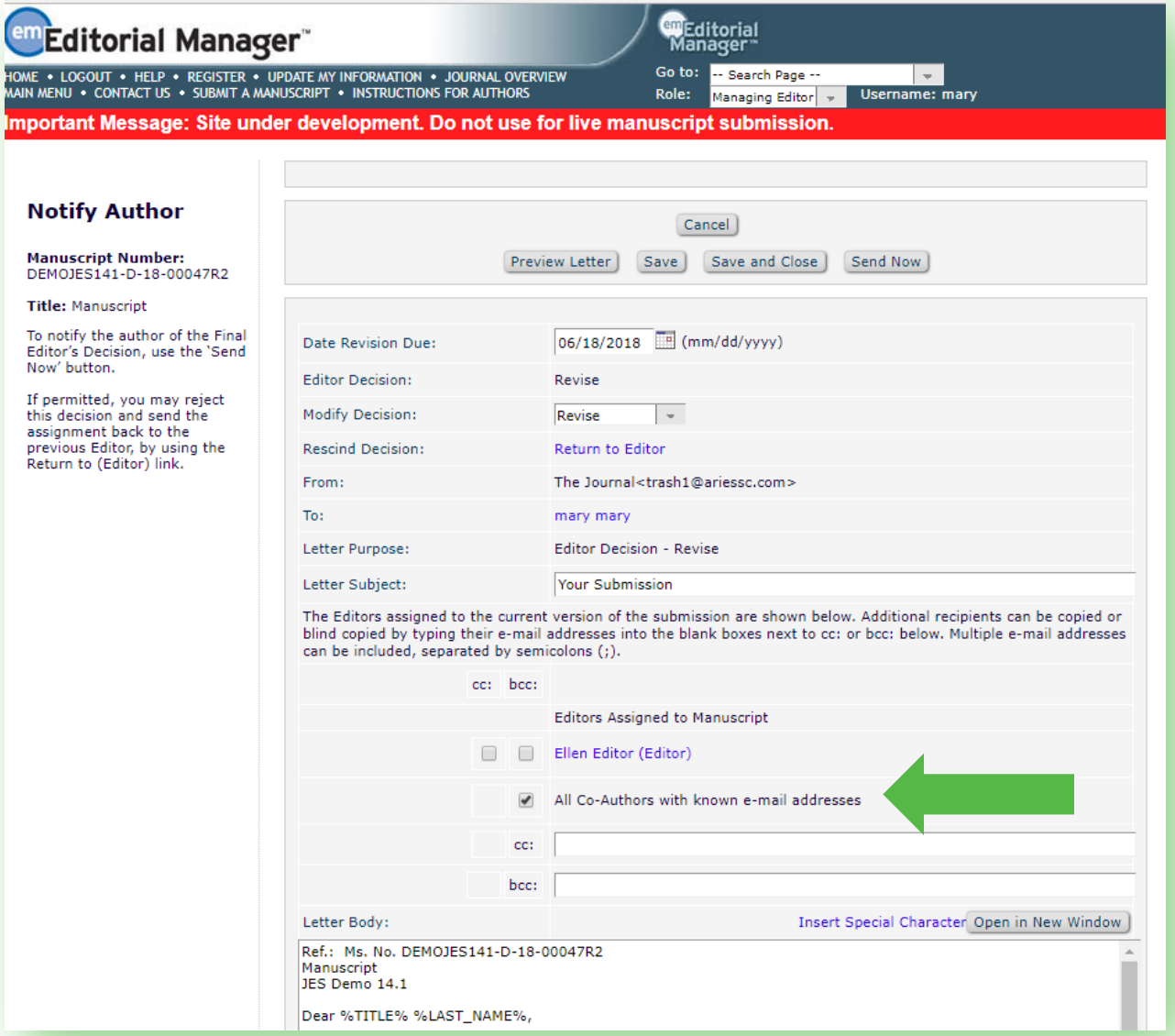


# Other Author Notifications

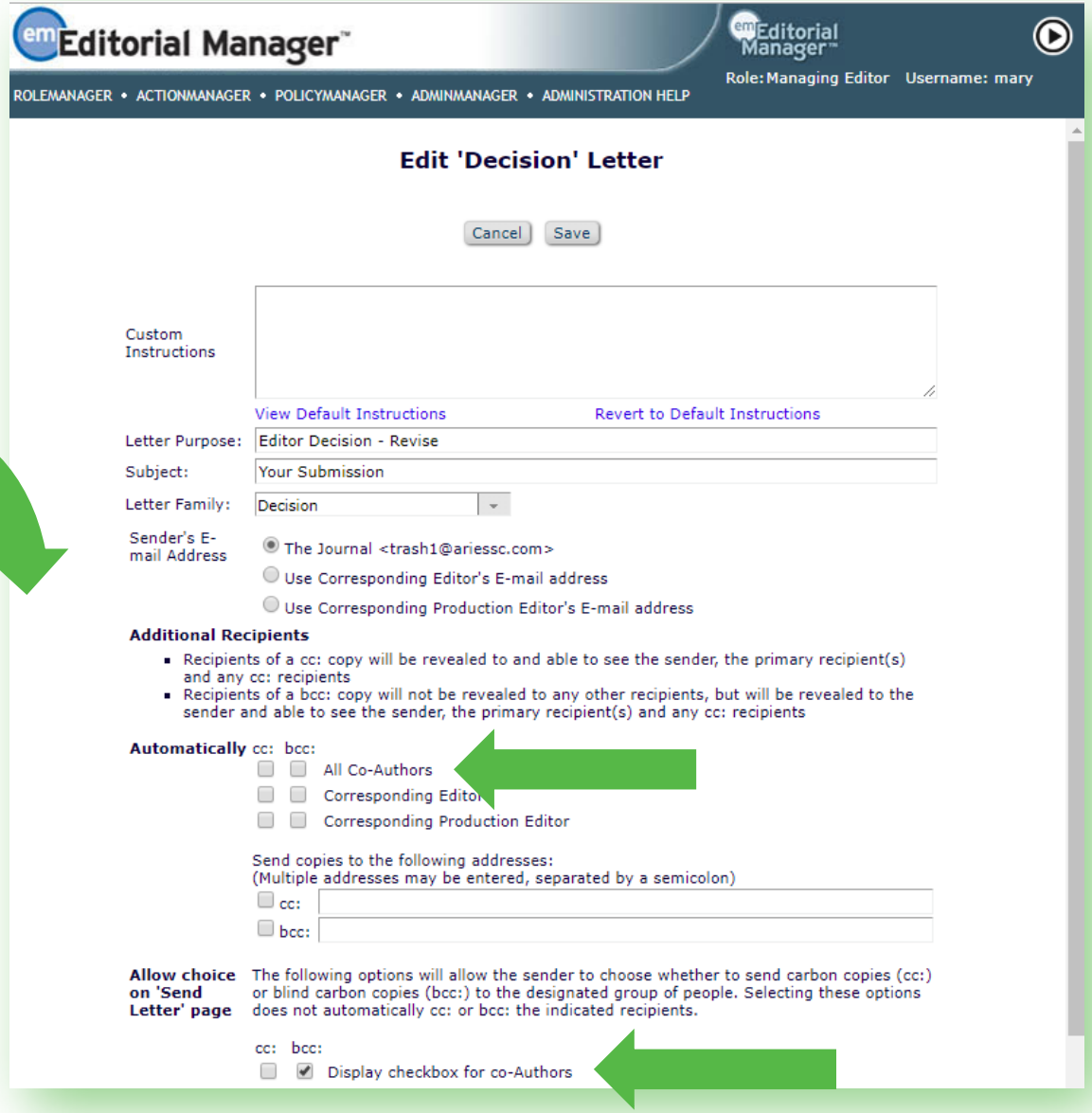
- EM allows Co-Authors to be automatically copied on Decision Letters or gives the Editor the option to copy all Co-Authors (on a per-letter basis)

Editor has the option to copy all Co-Authors:



# Other Author Notifications – Configuration

- System Admin Functions > PolicyManager > Edit Letters > Locate and Edit Decision Letters



# Other Author Notifications

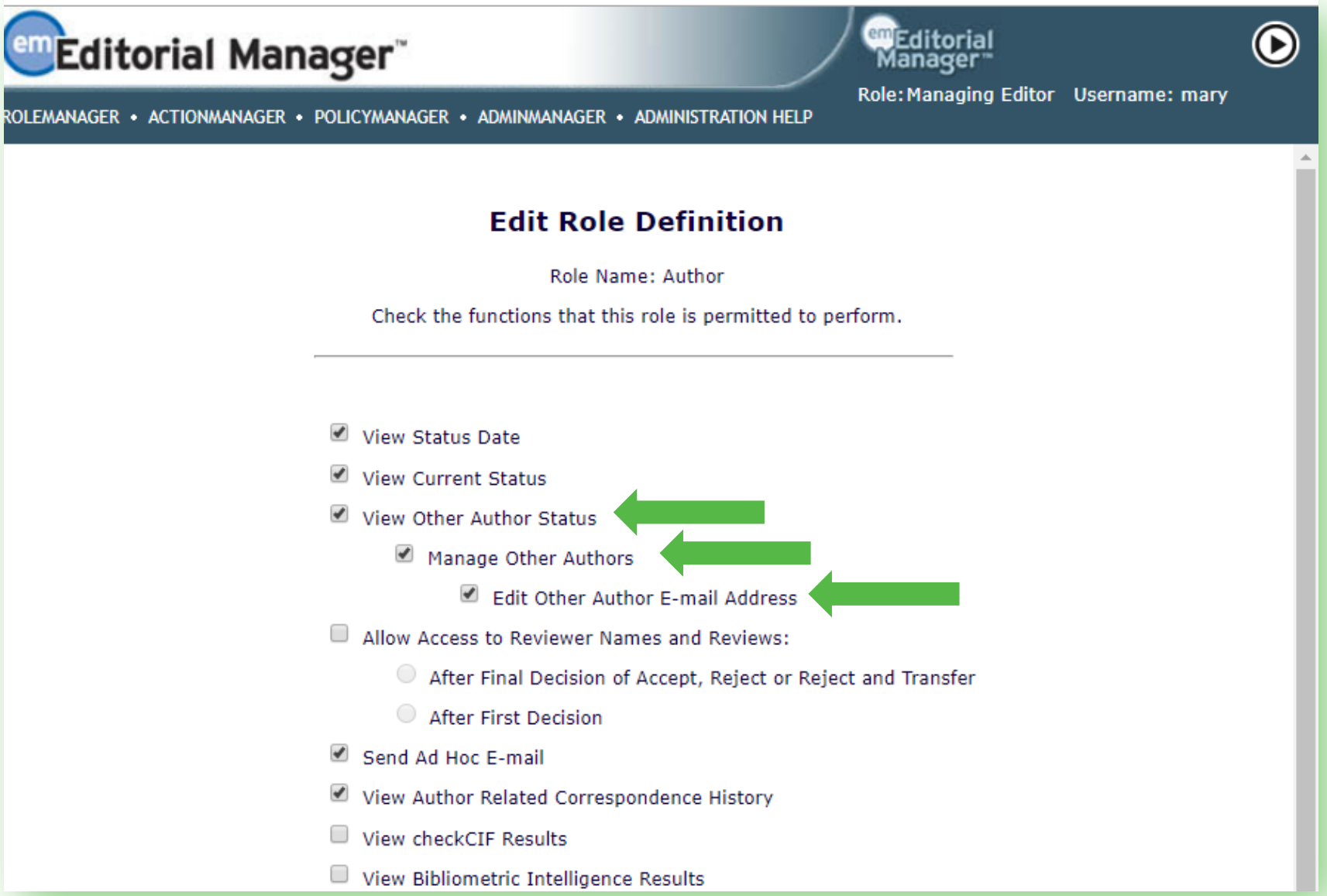
- Configure Other Author Notification Letters to come from the Corresponding Author (rather than Editor)
  - Bounced letters go to Corresponding Author to communicate with Co-Authors

- Configuration: System Admin Functions > PolicyManager > Edit Letters > Edit existing/Create New Letter > Select “Co-Author Communication” Letter Family

# Speaking of Corresponding Author permissions…

- EM allows the Editorial Office to give the Corresponding Author the power to manage what the Co-Authors can see and do
- This lifts the burden a bit for the Editorial Office/Staff

# Speaking of Corresponding Author permissions…



# Transmittal Policies

- Yet another point of visibility: Co-Author Metadata on MS Transmittal Form

# Transmittal Policies

- Transmittal Form:

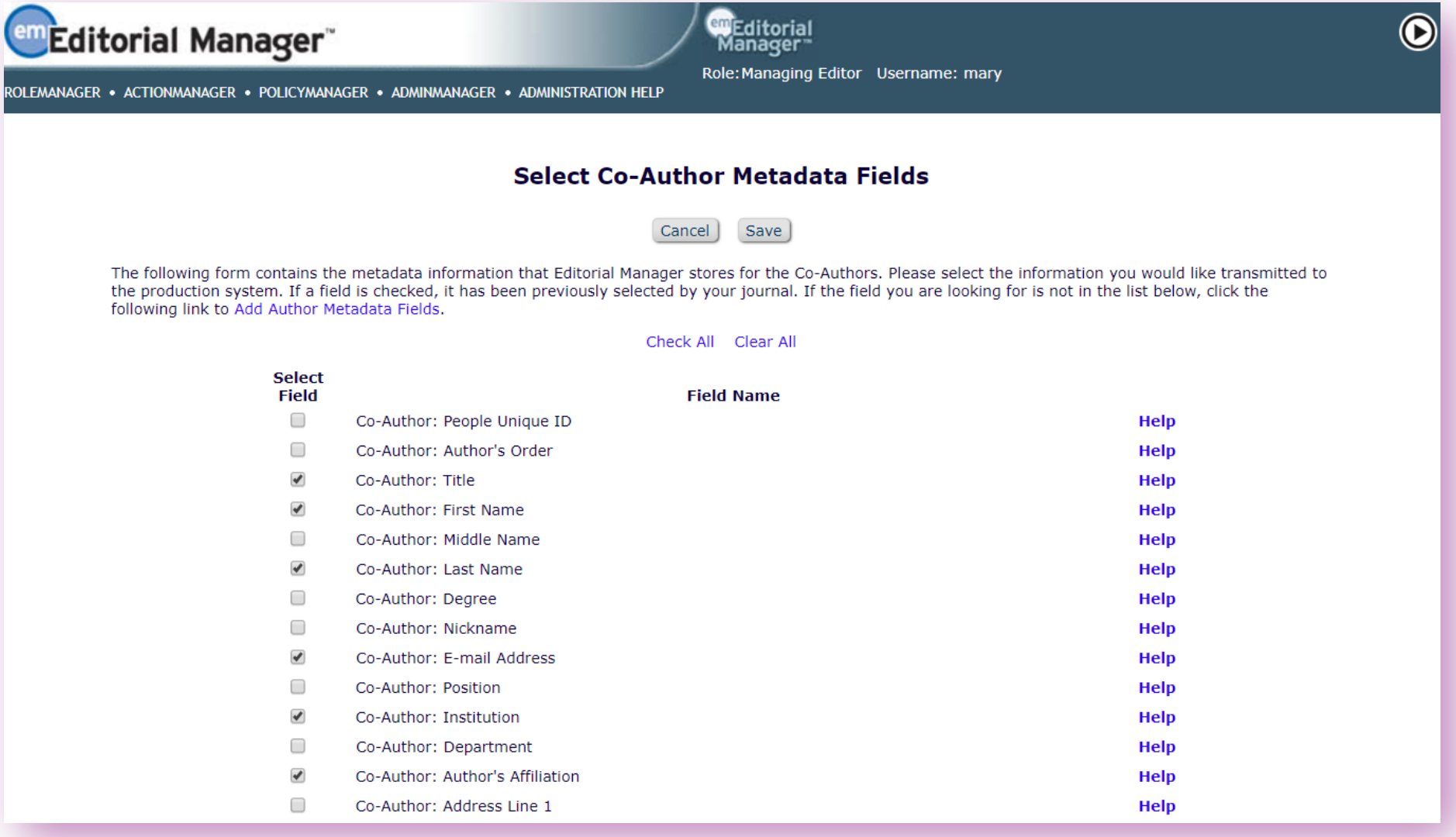
**Submission Metadata**

☑ Include metadata in release to production

| Item Description | Value | |
|---|---|---|
| Manuscript Number | DEMOJES141-D-18-00050 | Help |
| Revision Number | 0 | Help |
| Article Title | Authors, Co-Authors! | Help |
| Article Type | Original Study | Help |
| Initial Date Submitted | Jun 11 2018 1:50PM | Help |
| Date Revision Submitted | | Help |
| Keyword | | Help |
| Classification Description | First Major Term; Second Major Term; | Help |
| Section/Category Name | | Help |
| All Authors | mary mary; Jessica Author; Ainsley Author; Aaron Author | Help |
| First Author First Name | mary | Help |
| First Author Middle Name | | Help |
| First Author Last Name | mary | Help |
| First Author Degree | | Help |
| Co-Author: Title | | Help |
| Co-Author: First Name | Jessica | Help |
| Co-Author: Last Name | Author | Help |
| Co-Author: E-mail Address | jsnapke@gmail.com | Help |
| Co-Author: Institution | Michigan State University | Help |
| Co-Author: Author's Affiliation | Sparrow Hospital | Help |
| Co-Author: ORCID | | Help |
| Co-Author: Contributor Information | | Help |
| Co-Author: Equal Contribution Status | | Help |
| Co-Author: Title | | Help |
| Co-Author: First Name | Ainsley | Help |
| Co-Author: Last Name | Author | Help |
| Co-Author: E-mail Address | ainsauth@ariestrash.com | Help |
| Co-Author: Institution | Michigan State University | Help |
| Co-Author: Author's Affiliation | Sparrow Hospital | Help |
| Co-Author: ORCID | | Help |

# Transmittal Policies – Configuration

- System Admin Functions > PolicyManager > "Transmittal Policies" section > Select Co-Author Metadata Fields > Edit Transmittal Form Layout (to order where metadata appears on form)



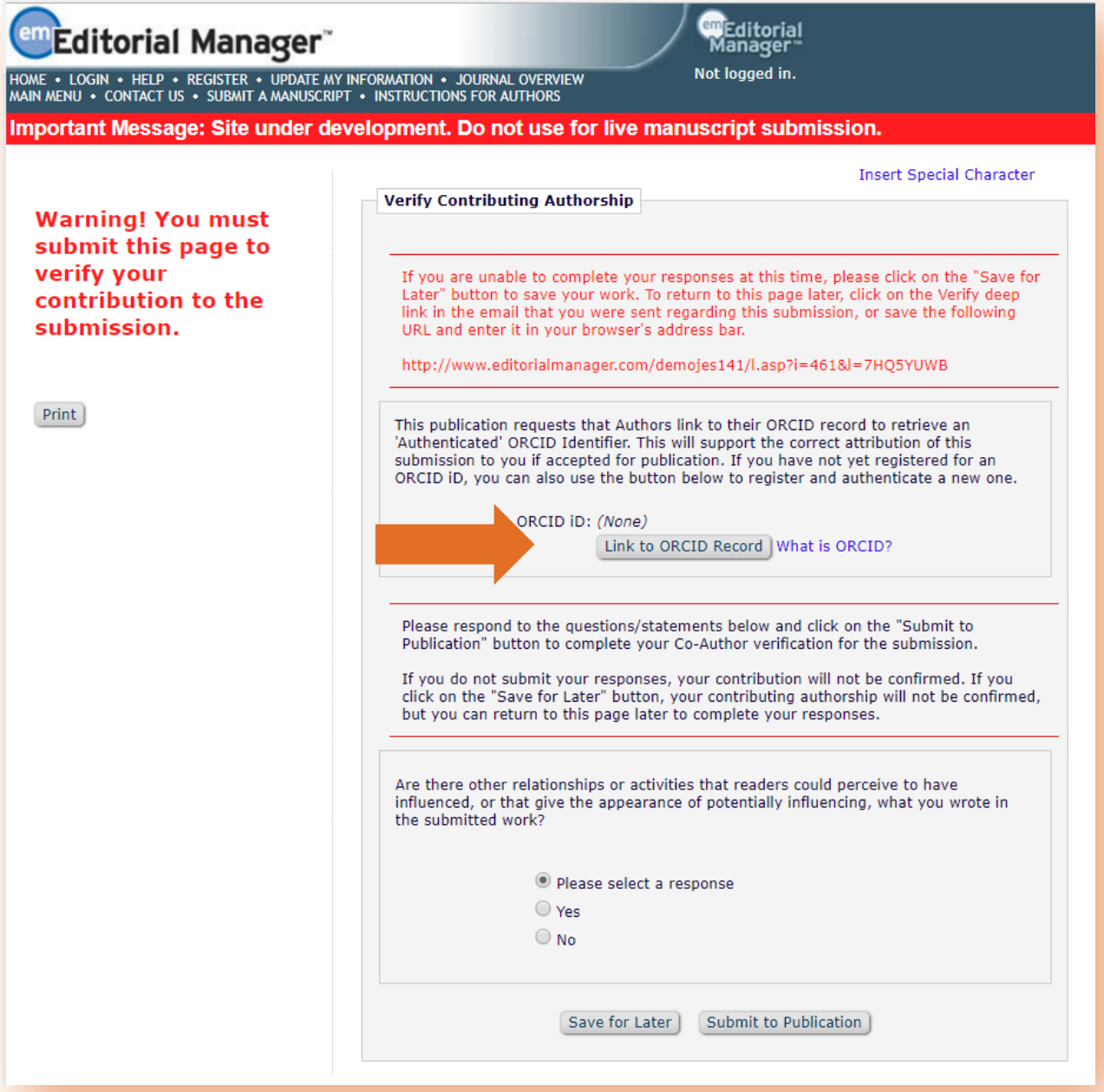
# ORCID Solicitation from Co-Authors:

Two ways to solicit ORCIDs from your Co-Authors:

1. During verification
2. "Fetch" functionality

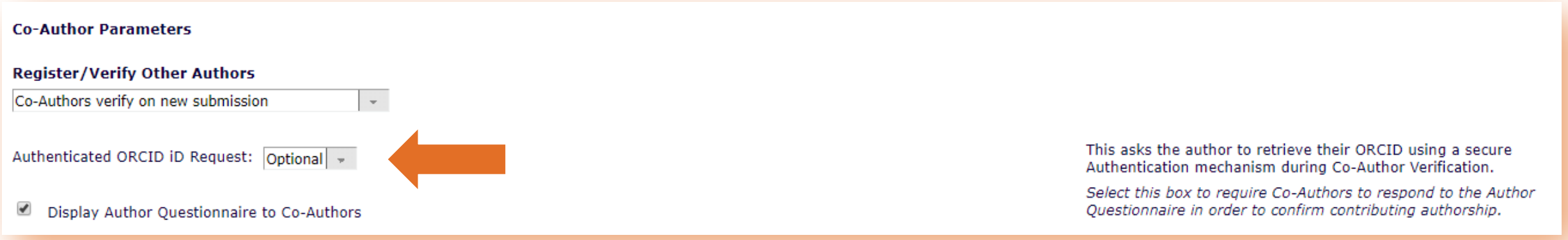
# 1. Solicit ORCID during Co-Author Verification

- Co-Author Verification (after clicking deep link from letter):



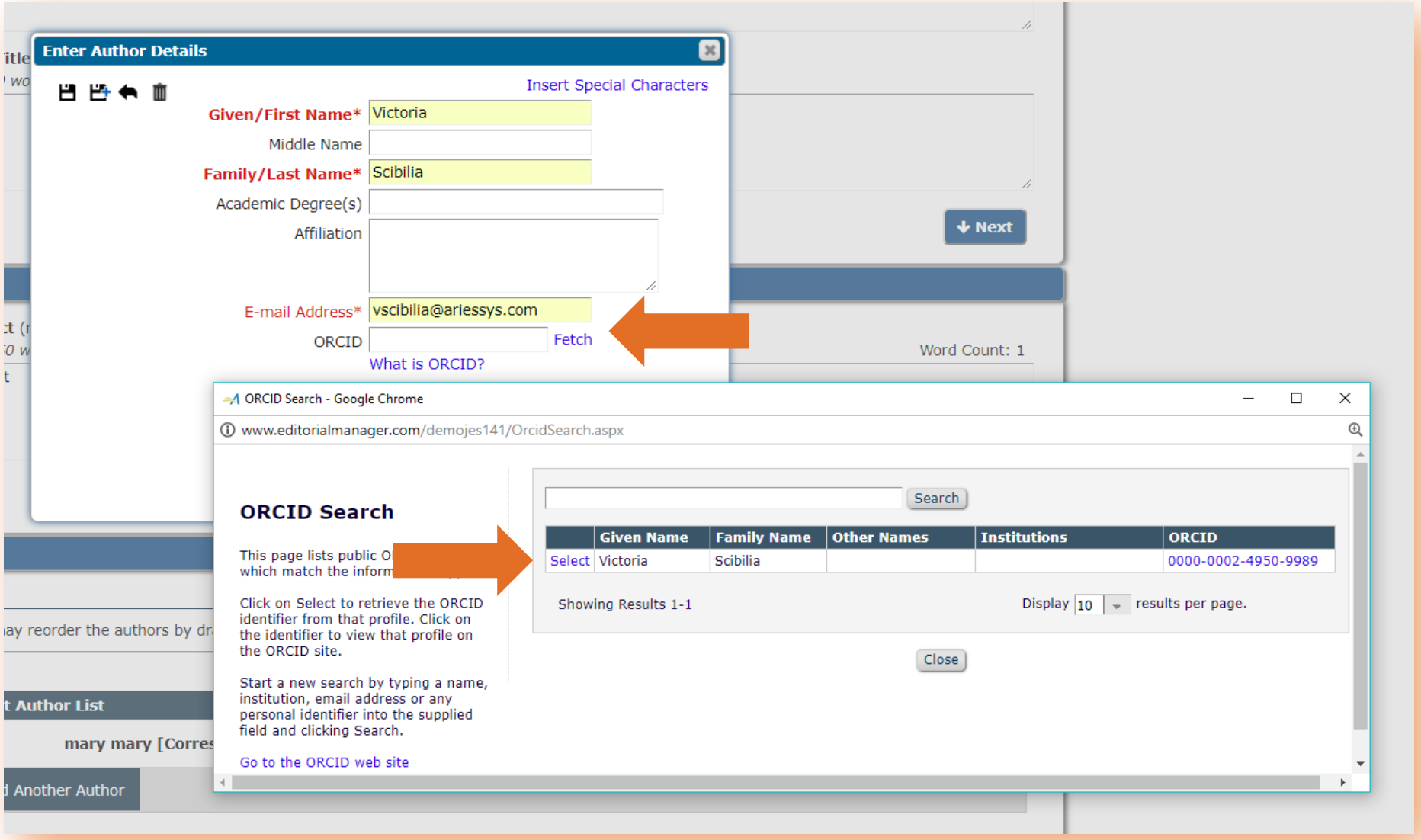
# 1. Solicit ORCID during Co-Author Verification - Configuration

- System Admin Functions > PolicyManager > Edit Article Types > Edit Existing/Add New > "Co-Author Parameters" section > Authenticated ORCID iD Request Dropdown



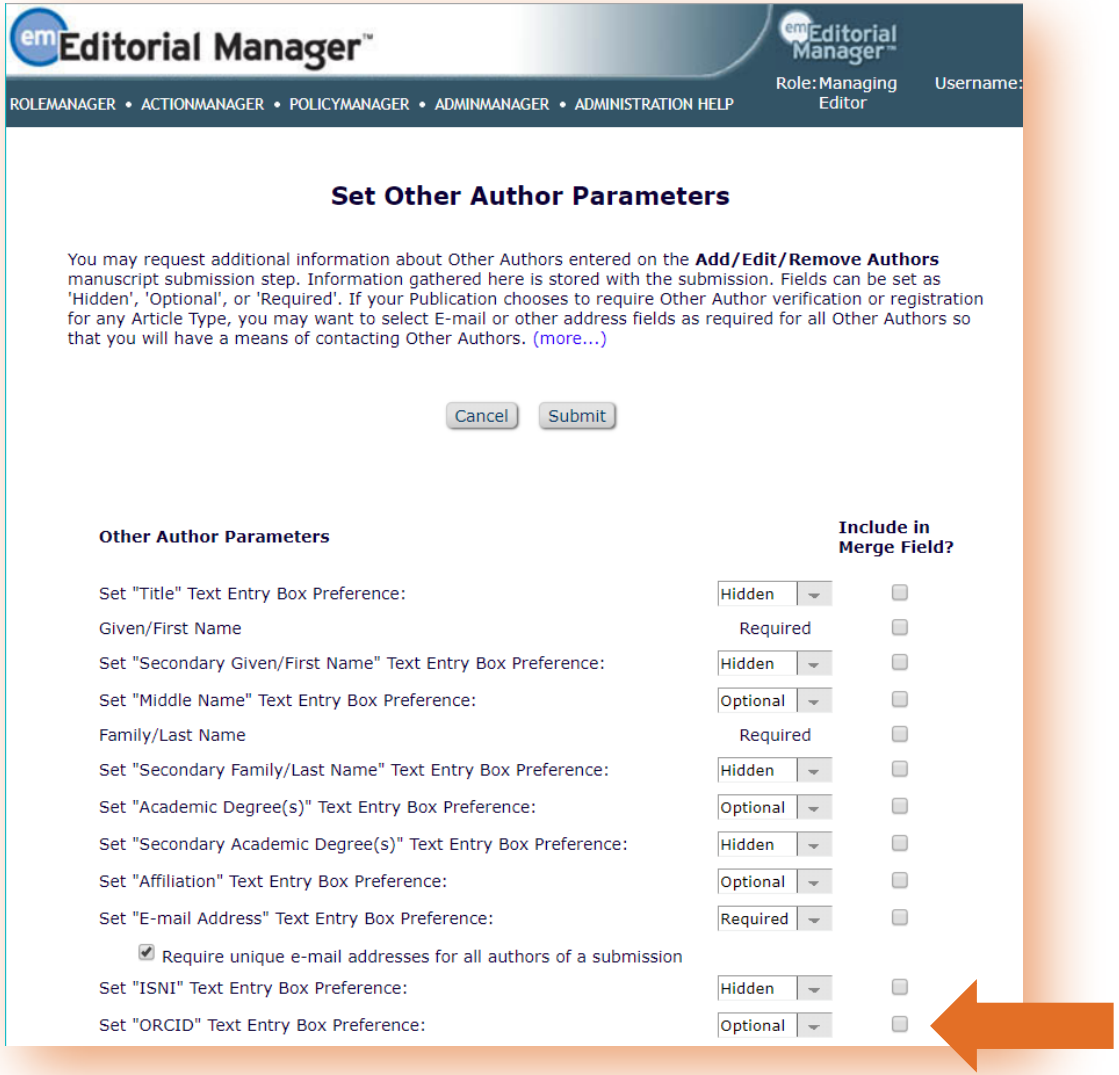
# 2. Solicit ORCID via “Fetch” during Submission

- Corresponding Author clicks “Fetch” when entering Co-Authors during the Submission process:



# 2. “Fetch”- Configuration

- System Admin Functions > PolicyManager > Set Other Author Parameters > Edit Existing/Add New > “Co-Author Parameters” section > Authenticated ORCID iD Request Dropdown



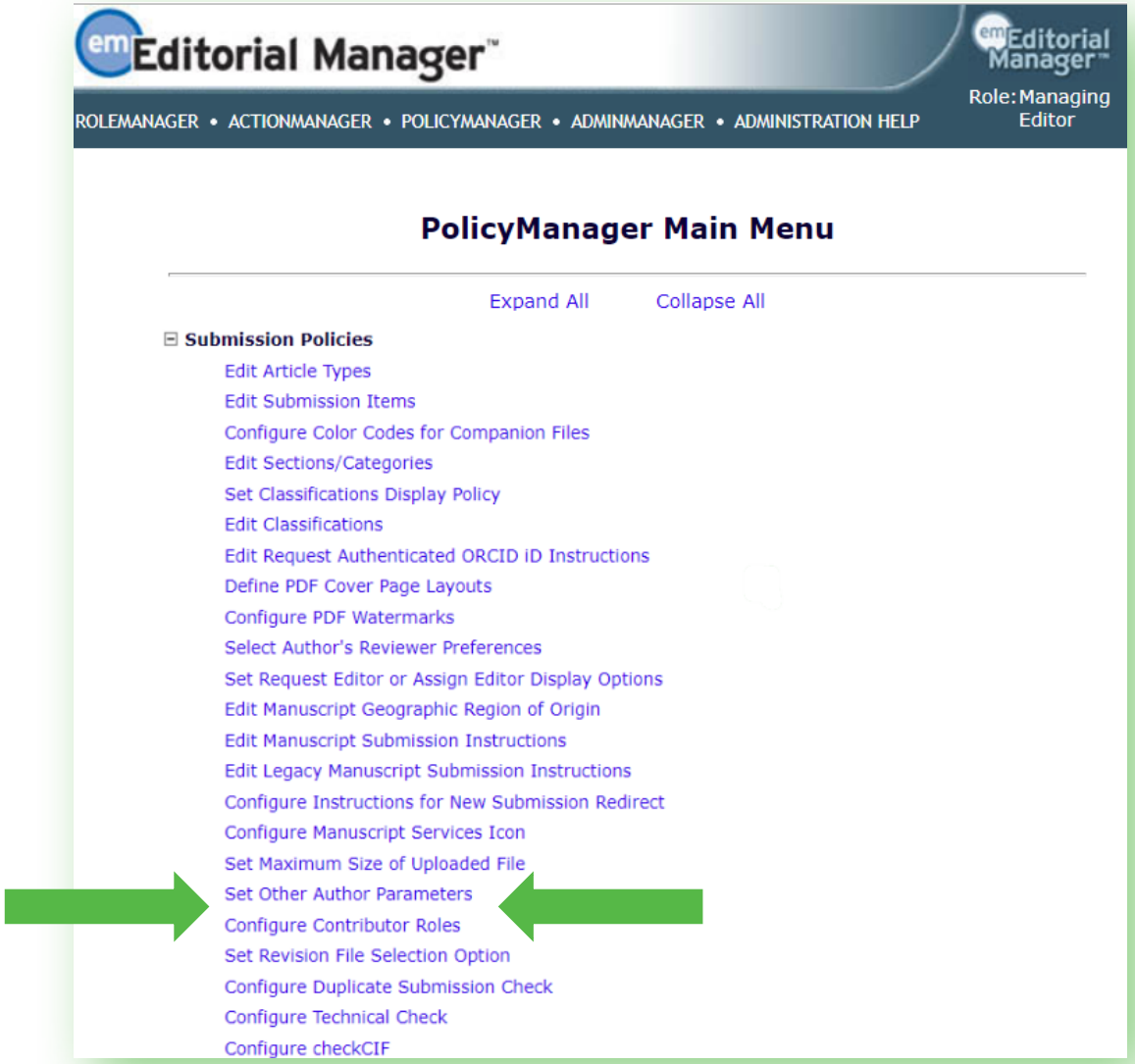
# CRediT

What is CRediT?

- "CRediT is high-level taxonomy, including 14 roles, that can be used to represent the roles typically played by contributors to scientific scholarly output. The roles describe each contributor's specific contribution to the scholarly output." – http://www.casrai.com/credit
- Casrai partnered with Aries in 2016 to integrate CRediT into EM
- Viewed previously on MS Submission Steps and Author Details pages

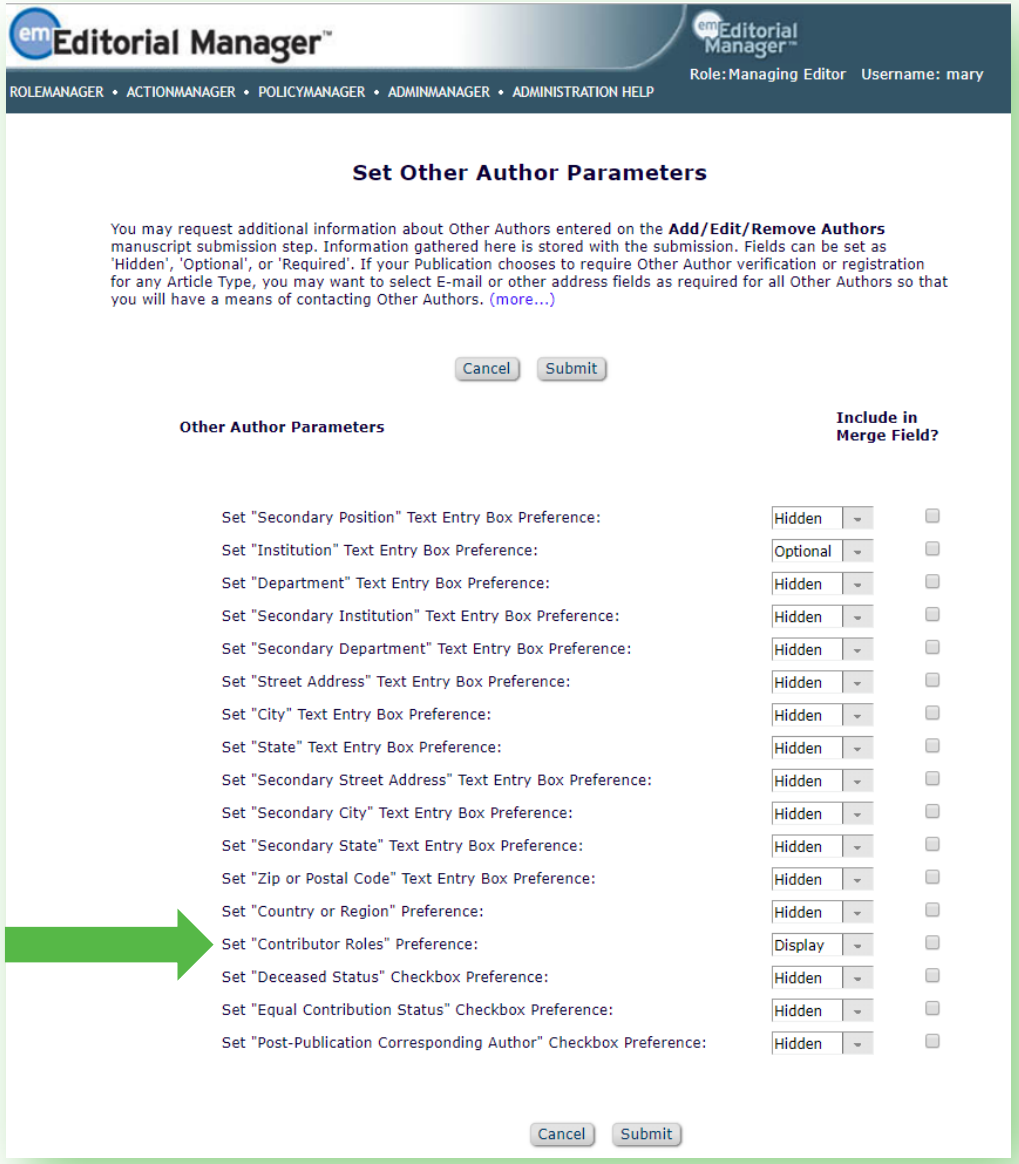
# CRediT - Configurations

- System Admin Functions > PolicyManager > Set Other Author Parameters > "Set 'Contributor Roles' Preference" > Set to "Display" **AND;** > Configure Contributor Roles (next to each other under "Submission Policies" section)

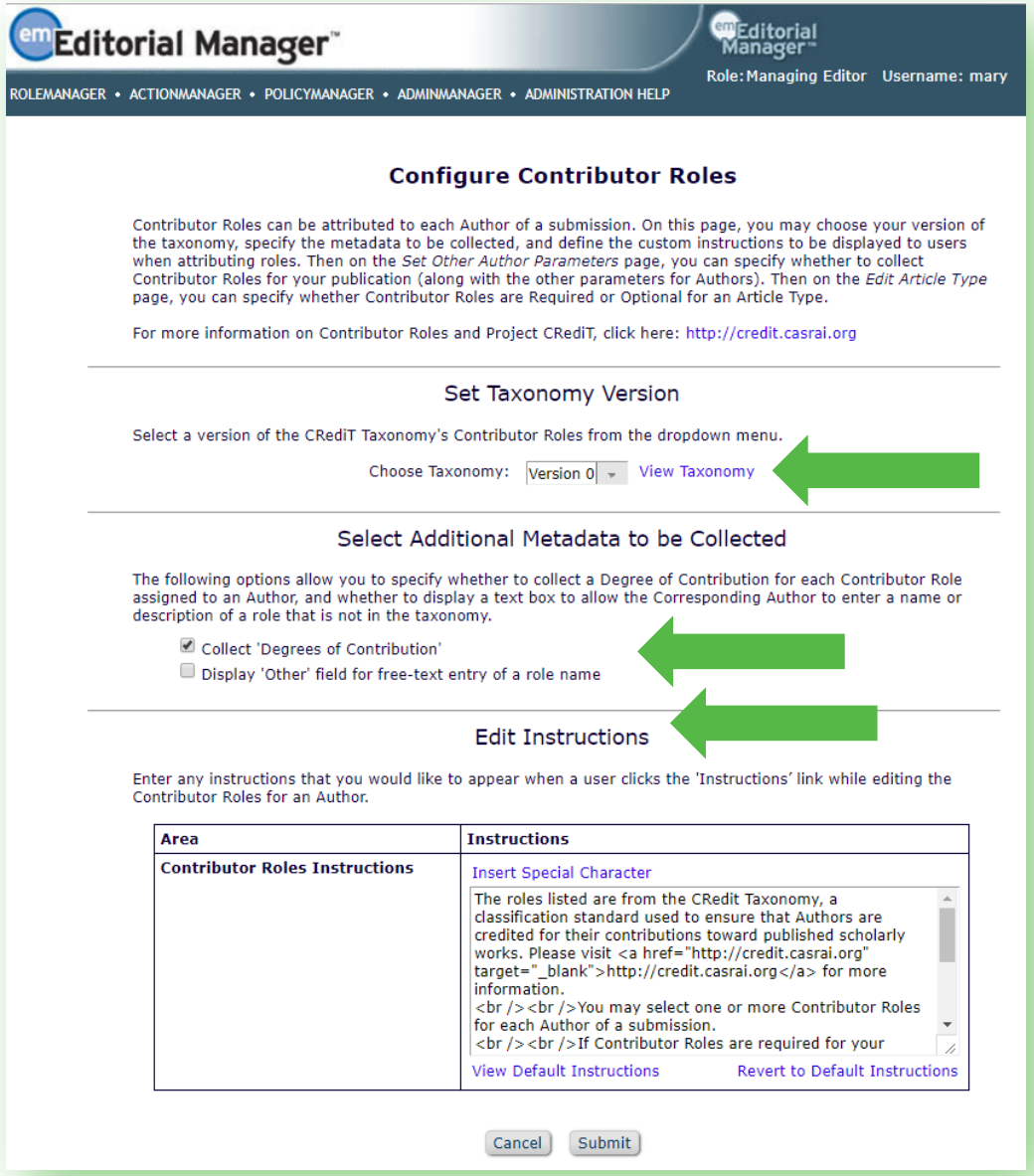


# CRediT - Configurations

## Set Other Author Parameters:




## Configure Contributor Roles:



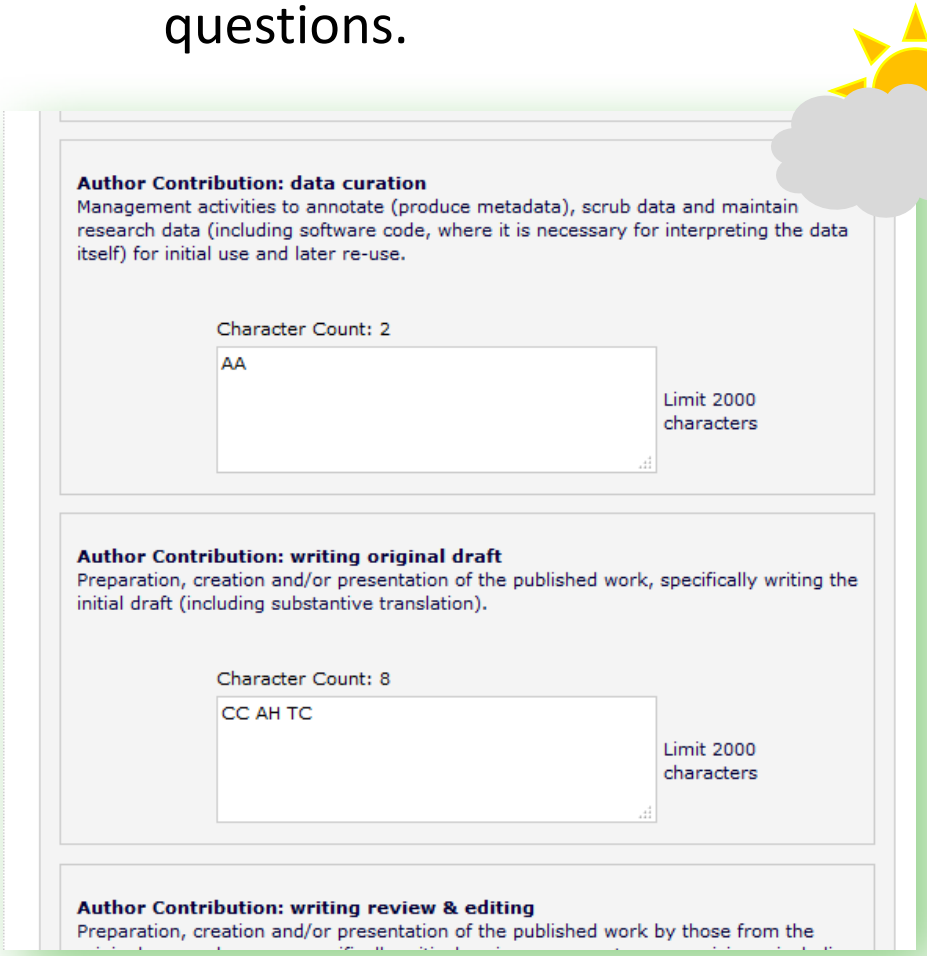
# CRediT and PLOS

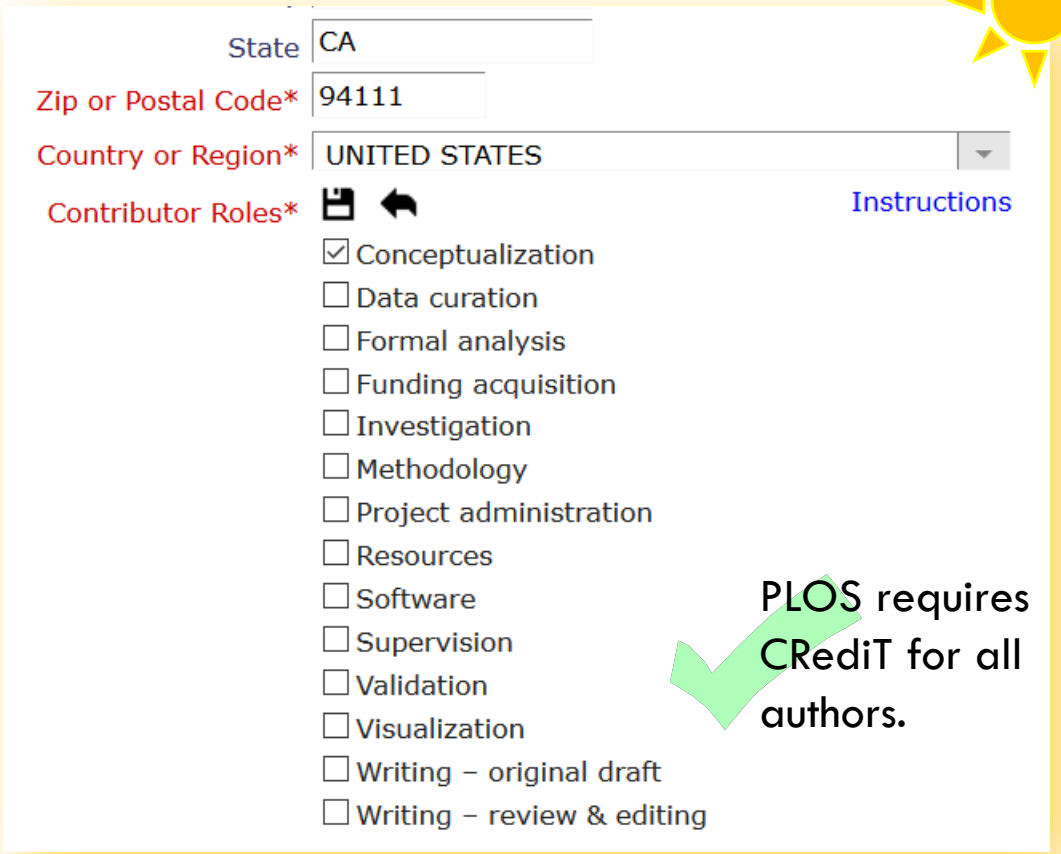
- PLOS implemented CRediT onto all of their EM sites in the summer of 2017
- Here, to speak about PLOS's experience with CRediT and EM, is Anne Tran

# CRediT and PLOS

Our implementation

- PLOS enabled the CRediT taxonomy in EM in June of 2017.
- Prior to that, we were collecting contribution information using custom submission questions.




PLOS requires CRediT for all authors.

# CRediT and PLOS

Sharing is caring

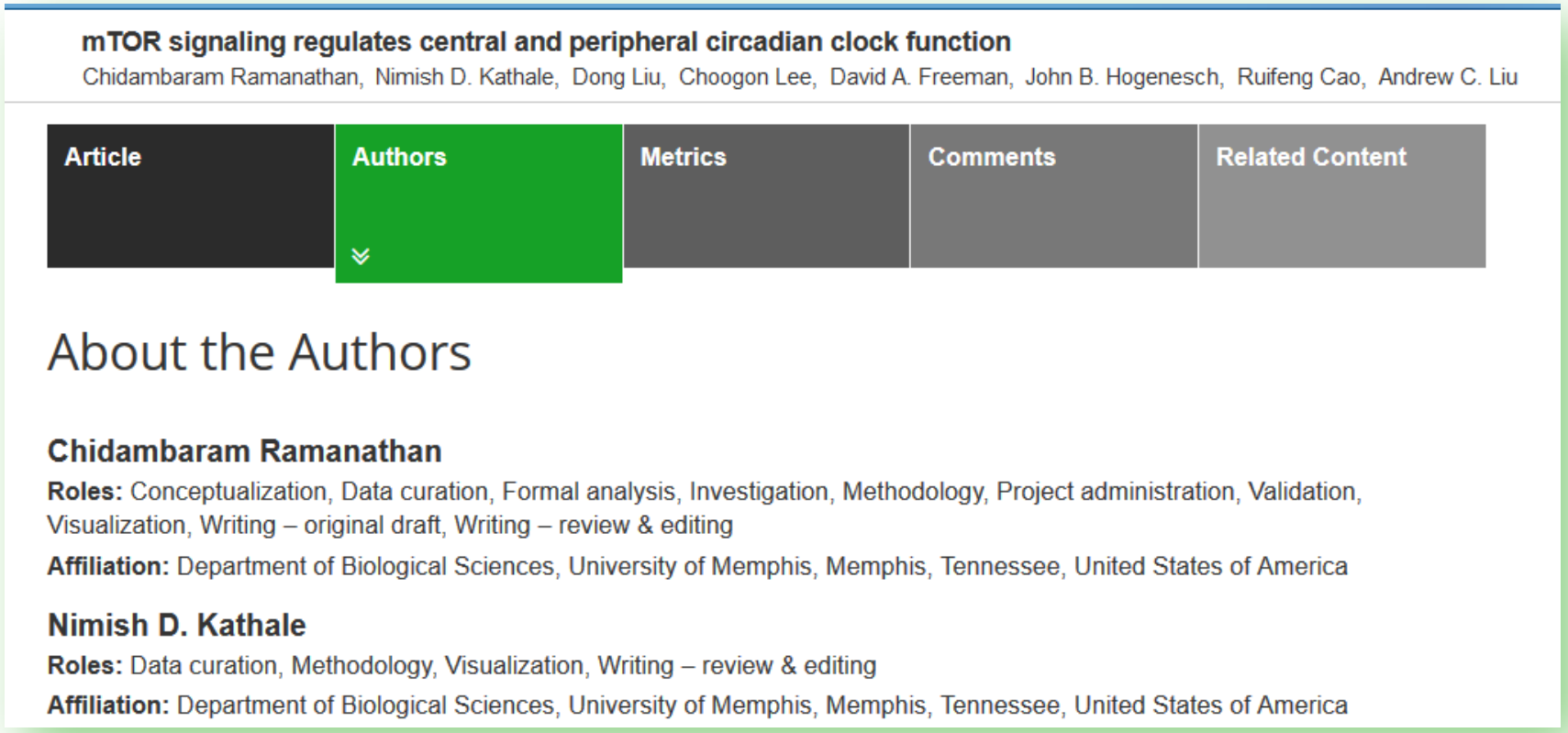
- CRediT data is included in all formats of the published article.

✓ Web

✓ PDF

✓ XML

[mTOR signaling regulates central and peripheral circadian clock function](https://doi.org/10.1371/journal.pgen.1007369)
Ramanathan C, Kathale ND, Liu D, Lee C, Freeman DA, et al. (2018) mTOR signaling regulates central and peripheral circadian clock function. **PLOS Genetics** 14(5): e1007369. https://doi.org/10.1371/journal.pgen.1007369



**mTOR signaling regulates central and peripheral circadian clock function**

Chidambaram Ramanathan, Nimish D. Kathale, Dong Liu, Choogon Lee, David A. Freeman, John B. Hogenesch, Ruifeng Cao, Andrew C. Liu

Article | Authors | Metrics | Comments | Related Content

## About the Authors

**Chidambaram Ramanathan**

**Roles:** Conceptualization, Data curation, Formal analysis, Investigation, Methodology, Project administration, Validation, Visualization, Writing – original draft, Writing – review & editing

**Affiliation:** Department of Biological Sciences, University of Memphis, Memphis, Tennessee, United States of America

**Nimish D. Kathale**

**Roles:** Data curation, Methodology, Visualization, Writing – review & editing

**Affiliation:** Department of Biological Sciences, University of Memphis, Memphis, Tennessee, United States of America

# CRediT and PLOS

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mTOR signaling regulates central and peripheral circadian clock function
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PLOS | GENETICS

mTOR regulates circadian clock function

Dr. David Kwiatkowski at Dana-Farber Cancer Institute for *Tsc2* deficient fibroblasts and the *Rheb* constructs, and Dr. Shin Yamazaki at University of Texas Southwestern Medical Center for providing mouse tails that allowed us to generate adult tail fibroblasts deficient in *Per1/2/3*.

## Author Contributions

**Conceptualization:** Chidambaram Ramanathan, Ruifeng Cao, Andrew C. Liu.

**Data curation:** Chidambaram Ramanathan, Nimish D. Kathale, Dong Liu, Ruifeng Cao, Andrew C. Liu.

**Formal analysis:** Chidambaram Ramanathan, Dong Liu, Ruifeng Cao.

**Funding acquisition:** Choogon Lee, John B. Hogenesch, Ruifeng Cao, Andrew C. Liu.

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PMC

Jisc

figshare

Aries systems

# CRediT and PLOS

What next?

- With a normalized set of contribution types, we can begin to explore all sorts of questions about **how and where each one makes an impact**.

In what disciplines does this contribution come up the most/least?

Is there a correlation between author order and certain contribution types?

Does the geographic distribution of co-authors affect author contributions?

Are there research areas with less variation in the contributions?

Do any contribution types occur together more frequently?

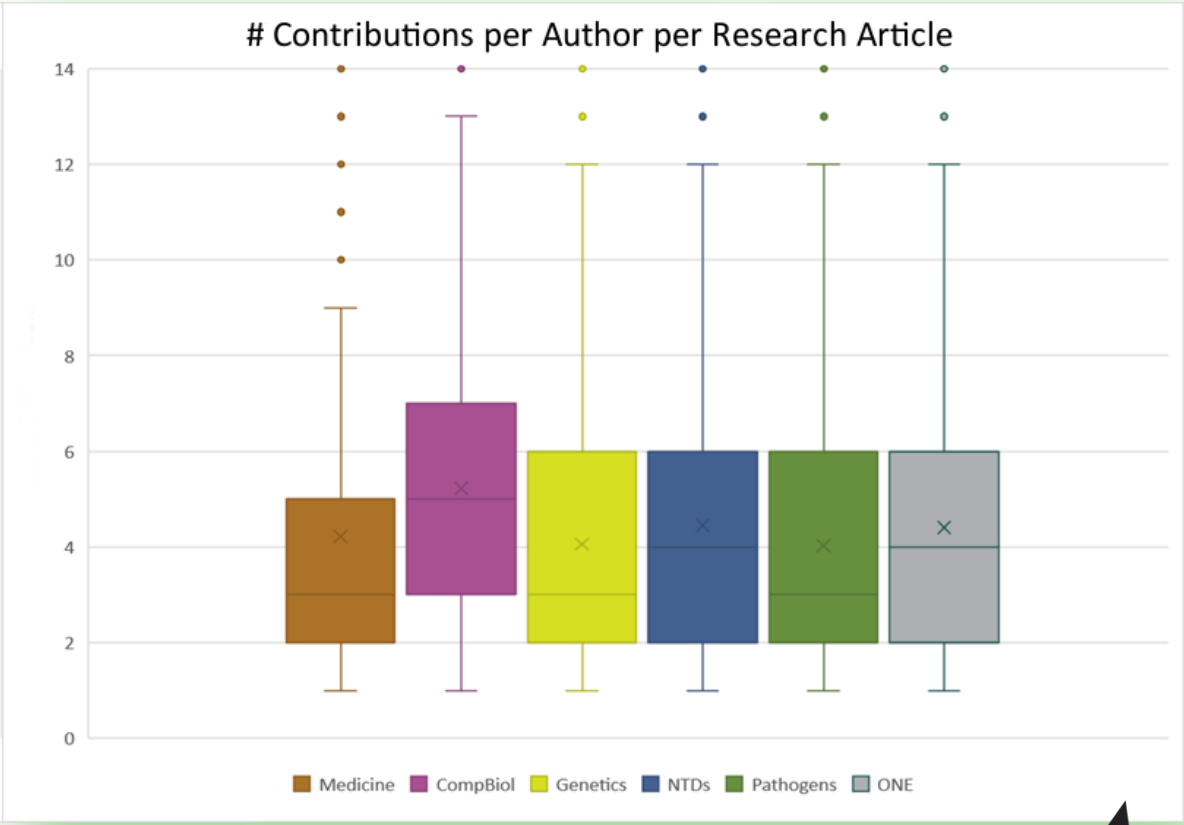
- We can also assess the **efficacy of the taxonomy itself**.

# CRediT and PLOS

An initial look into the data

For articles (published btw Jun 15, 2017 & May 30, 2018)

- 18,828 articles
- 141,603 authors
- 622,609 contributions



# CRediT and PLOS

An initial look into the data

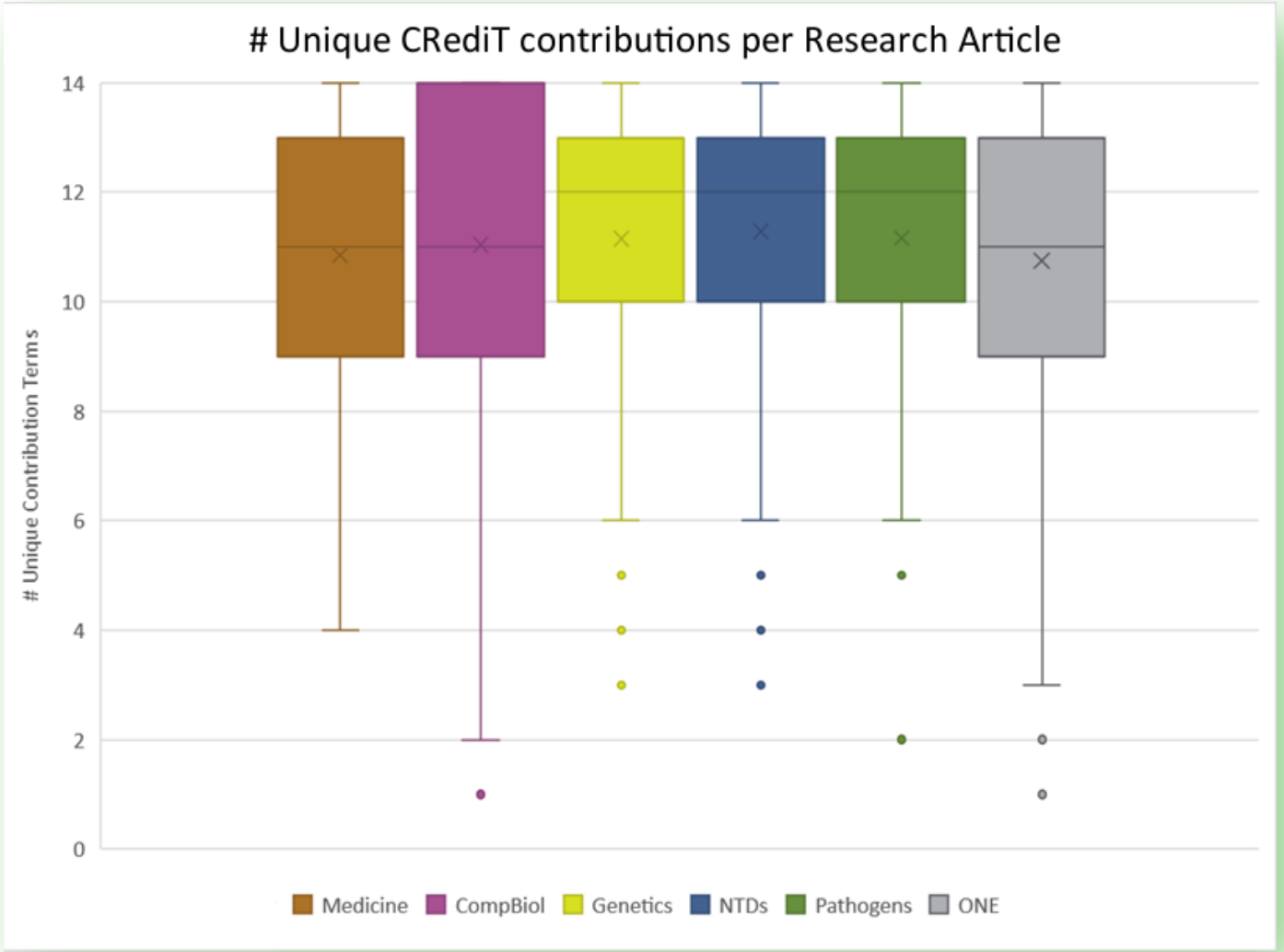
In what disciplines does this contribution come up the most/least?

% of Research Articles where CRediT contribution X is used at least 1x

| | | Medicine | CompBiol | Genetics | NTDs | Pathogens | ONE | WAvg. |
|---|---|---|---|---|---|---|---|---|
| | *Total Articles* | *149* | *468* | *479* | *727* | *510* | *16,495* | 18,828 |
| Traditional | Investigation | 82% | 85% | 96% | 91% | 96% | 86% | 89% |
| | Writing - Original Draft | 99% | 99% | 100% | 99% | 99% | 99% | 99% |
| | Writing - Review & Editing | 100% | 97% | 97% | 98% | 98% | 97% | 98% |
| | Conceptualization | 100% | 97% | 98% | 98% | 99% | 95% | 98% |
| | Funding acquisition | 77% | 78% | 92% | 81% | 92% | 70% | 82% |
| Non-Traditional | Methodology | 95% | 91% | 84% | 94% | 88% | 90% | 90% |
| | Software | 37% | 75% | 37% | 36% | 24% | 40% | 41% |
| | Validation | 50% | 61% | 57% | 62% | 60% | 57% | 58% |
| | Formal analysis | 98% | 89% | 92% | 95% | 93% | 91% | 93% |
| | Resources | 54% | 50% | 62% | 67% | 70% | 60% | 60% |
| | Data curation | 88% | 62% | 78% | 80% | 70% | 80% | 76% |
| | Visualization | 46% | 71% | 59% | 58% | 58% | 53% | 58% |
| | Supervision | 86% | 85% | 90% | 91% | 93% | 84% | 88% |
| | Project administration | 72% | 63% | 72% | 78% | 76% | 72% | 72% |

# CRediT and PLOS

An initial look into the data




Are there research areas with less variation in the contributions?

# CRediT and PLOS

An initial look into the data

**% of DOIs where at least 2 authors chose the same CRediT contribution X**

| | | Medicine | CompBiol | Genetics | NTDs | Pathogens | ONE | WAvg. |
|---|---|---|---|---|---|---|---|---|
| | ***Total Articles*** | ***149*** | ***468*** | ***479*** | ***727*** | ***510*** | ***16,495*** | **18,828** |
| Traditional | **Investigation** | 74% | 62% | 86% | 81% | 90% | 68% | 77% |
| | **Writing - Original Draft** | 63% | 74% | 77% | 69% | 75% | 60% | 70% |
| | **Writing - Review & Editing** | 100% | 92% | 90% | 93% | 90% | 85% | 92% |
| | **Conceptualization** | 95% | 85% | 86% | 88% | 85% | 78% | 86% |
| | **Funding acquisition** | 60% | 41% | 56% | 55% | 55% | 38% | 51% |

**% of Research Articles where CRediT contribution X is used at least 1x**

| | | Medicine | CompBiol | Genetics | NTDs | Pathogens | ONE | WAvg. |
|---|---|---|---|---|---|---|---|---|
| | ***Total Articles*** | ***149*** | ***468*** | ***479*** | ***727*** | ***510*** | ***16,495*** | **18,828** |
| Traditional | **Investigation** | 82% | 85% | 96% | 91% | 96% | 86% | 89% |
| | **Writing - Original Draft** | 99% | 99% | 100% | 99% | 99% | 99% | 99% |
| | **Writing - Review & Editing** | 100% | 97% | 97% | 98% | 98% | 97% | 98% |
| | **Conceptualization** | 100% | 97% | 98% | 98% | 99% | 95% | 98% |
| | **Funding acquisition** | 77% | 78% | 92% | 81% | 92% | 70% | 82% |

# Any Questions?

And a VERY special thanks to Anne!