

#### **Instructions**

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| Section 1. Identifying Inform                                                                                             | nation                                                                         |                                        |                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1. Given Name (First Name)<br>Ximin                                                                                       | 2. Surname (Last Name)<br>Chen                                                 |                                        | 3. Date<br>19-May-2020                                                                                                          |
| 4. Are you the corresponding author?                                                                                      | ☐ Yes ✓ No                                                                     | Corresponding Auth<br>Xin Wang; Mei He | nor's Name                                                                                                                      |
| 5. Manuscript Title Protective effect of lutein on oxidative                                                              | stress damage caused by a                                                      | icute PM2.5 exposur                    | e in rats                                                                                                                       |
| 6. Manuscript Identifying Number (if you kr                                                                               | now it)                                                                        |                                        |                                                                                                                                 |
|                                                                                                                           |                                                                                |                                        |                                                                                                                                 |
| Section 2. The Work Under C                                                                                               | onsideration for Public                                                        | cation                                 |                                                                                                                                 |
| any aspect of the submitted work (including<br>statistical analysis, etc.)?<br>Are there any relevant conflicts of intere | g but not limited to grants, da<br>est?  Yes  No<br>ormation below. If you hav | ta monitoring board, s                 | nent, commercial, private foundation, etc.) for study design, manuscript preparation, tity press the "ADD" button to add a row. |
| Name of Institution/Company                                                                                               | Grant                                                                          | n-Financial other                      | Comments                                                                                                                        |
| Ministry of Science and Technology of the<br>People's Republic of China                                                   | <b>V</b>                                                                       |                                        | The National Key Research and<br>Development Program of China                                                                   |
|                                                                                                                           |                                                                                |                                        |                                                                                                                                 |
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| Do you have any patents, whether plan                                                                                     |                                                                                |                                        | e work? ☐ Yes   ✓ No                                                                                                            |



| Soction F                        |                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Section 5.                       | Relationships not covered above                                                                                                                                                                         |
|                                  | elationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?                                                 |
| Yes, the follo                   | wing relationships/conditions/circumstances are present (explain below):                                                                                                                                |
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Given Name (First Name) Yuexiao                                                                                                                                                | 2. Surname (Last Name)<br>Chen                                         |                                                       | 3. Date<br>19-May-2020                                                                                                               |
| 4. Are you the corresponding author?                                                                                                                                           | ☐ Yes ✓ No                                                             | Corresponding Auth                                    | or's Name                                                                                                                            |
| 5. Manuscript Title<br>Protective effect of lutein on oxidative s                                                                                                              | stress damage caused by a                                              | ocute PM2.5 exposure                                  | e in rats                                                                                                                            |
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|                                                                                                                                                                                |                                                                        | _                                                     |                                                                                                                                      |
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| Name of Institution/Company                                                                                                                                                    | Grant? Personal No                                                     | n-Financial other                                     | Comments                                                                                                                             |
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|                                                                                                                                                                                |                                                                        |                                                       |                                                                                                                                      |
| Section 3. Relevant financial                                                                                                                                                  | activities outside the s                                               | submitted work.                                       |                                                                                                                                      |
| Place a check in the appropriate boxes i<br>of compensation) with entities as descri<br>clicking the "Add +" box. You should rep<br>Are there any relevant conflicts of intere | bed in the instructions. Use oort relationships that were st? Yes V No | se one line for each e<br>re <b>present during th</b> | ntity; add as many lines as you need by                                                                                              |
| Section 4. Intellectual Proper                                                                                                                                                 | ty Patents & Copyri                                                    | ghts                                                  |                                                                                                                                      |
| Do you have any patents, whether plan                                                                                                                                          | ned, pending or issued, br                                             | oadly relevant to the                                 | e work? ☐ Yes ✓ No                                                                                                                   |



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|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1. Given Name (First Name)<br>Yuan                                                                                        | 2. Surname (Last Name)<br>Chen                                                 |                                       | 3. Date<br>19-May-2020                                                                                                           |
| 4. Are you the corresponding author?                                                                                      | ☐ Yes ✓ No                                                                     | Corresponding Aut<br>Xin Wang; Mei He |                                                                                                                                  |
| 5. Manuscript Title Protective effect of lutein on oxidative s                                                            | stress damage caused by a                                                      | acute PM2.5 exposu                    | re in rats                                                                                                                       |
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Wang 2



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Report all sources of revenue paid (or promised to be paid) directly to you or your institution on your behalf over the 36 months prior to submission of the work. This should include all monies from sources with relevance to the submitted work, not just monies from the entity that sponsored the research. Please note that your interactions with the work's sponsor that are outside the submitted work should also be listed here. If there is any question, it is usually better to disclose a relationship than not to do so.

For grants you have received for work outside the submitted work, you should disclose support ONLY from entities that could be perceived to be affected financially by the published work, such as drug companies, or foundations supported by entities that could be perceived to have a financial stake in the outcome. Public funding sources, such as government agencies, charitable foundations or academic institutions, need not be disclosed. For example, if a government agency sponsored a study in which you have been involved and drugs were provided by a pharmaceutical company, you need only list the pharmaceutical company.

# 4. Intellectual Property.

This section asks about patents and copyrights, whether pending, issued, licensed and/or receiving royalties.

# Relationships not covered above.

Use this section to report other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work.

#### Definitions.

**Entity:** government agency, foundation, commercial sponsor, academic institution, etc.

**Grant:** A grant from an entity, generally [but not always] paid to your organization

**Personal Fees:** Monies paid to you for services rendered, generally honoraria, royalties, or fees for consulting, lectures, speakers bureaus, expert testimony, employment, or other affiliations

**Non-Financial Support:** Examples include drugs/equipment supplied by the entity, travel paid by the entity, writing assistance, administrative support, etc.

Other: Anything not covered under the previous three boxes

**Pending:** The patent has been filed but not issued

**Issued:** The patent has been issued by the agency

**Licensed:** The patent has been licensed to an entity, whether earning royalties or not

**Royalties:** Funds are coming in to you or your institution due to your patent

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| Section 1. Identifying Inform                                                                                                                                           | nation                                                                    |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 1. Given Name (First Name)<br>Mei                                                                                                                                       | 2. Surname (Last Name)<br>He                                              |                      | 3. Date<br>19-May-2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4. Are you the corresponding author?                                                                                                                                    | ✓ Yes No                                                                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5. Manuscript Title Protective effect of lutein on oxidative                                                                                                            | stress damage caused by acu                                               | ıte PM2.5 exposure   | e in rats                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6. Manuscript Identifying Number (if you kr                                                                                                                             | now it)                                                                   |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Section 2. The Work Under Co                                                                                                                                            | onsideration for Publica                                                  | tion                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| any aspect of the submitted work (including<br>statistical analysis, etc.)?<br>Are there any relevant conflicts of intere                                               | g but not limited to grants, data est? Yes No ormation below. If you have | monitoring board, st | ent, commercial, private foundation, etc.) for tudy design, manuscript preparation, etc.) for title graph of the state of |
| Name of Institution/Company                                                                                                                                             | Grant? Personal Non-l                                                     | Financial Other?     | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ministry of Science and Technology of the<br>People's Republic of China                                                                                                 |                                                                           |                      | The National Key Research and<br>Development Program of China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Section 3. Relevant financial                                                                                                                                           | activities outside the su                                                 | bmitted work.        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Place a check in the appropriate boxes of compensation) with entities as descr<br>clicking the "Add +" box. You should re<br>Are there any relevant conflicts of intere | ibed in the instructions. Use port relationships that were                | one line for each e  | ntity; add as many lines as you need by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Section 4. Intellectual Proper                                                                                                                                          | rty Patents & Copyrigh                                                    | ts                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Do you have any patents, whether plan                                                                                                                                   | ned, pending or issued, broa                                              | dly relevant to the  | work? ☐ Yes ✓ No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Section 5.                    |                                                                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Section 5.                    | Relationships not covered above                                                                                                                                                                         |
|                               | elationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?                                                 |
| Yes, the follow               | wing relationships/conditions/circumstances are present (explain below):                                                                                                                                |
| ✓ No other rela               | tionships/conditions/circumstances that present a potential conflict of interest                                                                                                                        |
|                               | anuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements<br>rnals may ask authors to disclose further information about reported relationships. |
| Section 6.                    | Disclosure Statement                                                                                                                                                                                    |
| Based on the abo              | ove disclosures, this form will automatically generate a disclosure statement, which will appear in the box                                                                                             |
| Dr. He reports gr<br>study; . | ants from Ministry of Science and Technology of the People's Republic of China, during the conduct of the                                                                                               |

## **Evaluation and Feedback**

Please visit <a href="http://www.icmje.org/cgi-bin/feedback">http://www.icmje.org/cgi-bin/feedback</a> to provide feedback on your experience with completing this form.

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