

# Ciências ULisboa

Faculdade  
de Ciências  
da Universidade  
de Lisboa

**Eng Energy & Environment**



# **Research methods & Dissertation Project**



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## Assignments

Important dates

4 November– Research objective and research questions

10 December – Literature review w/ references

Final week (oral examination with the supervisor/s and colleagues)

<b>Module 1</b>	<b>“My experience” former students of Eng. Energy and Environment</b>  <b>EDP company Private bank Audit and consulting PhD “Sustainable Energy Systems”</b>
Module 2	“Dissertation offers” Research Professors & Companies
Module 3	What is the research? What is the generic research methodology? Research objectives and research questions Methodology and method
Module 4	Literature review
Module 5	Reference manager
Module 6	Plagiarism & copyright
Module 7	Examples, assignments and doubts
	Oral evaluation



Install Mendeley

<https://www.mendeley.com/guides/desktop/>

Watch video: <https://www.youtube.com/watch?v=XTfVCiksapk>

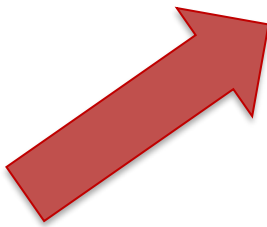
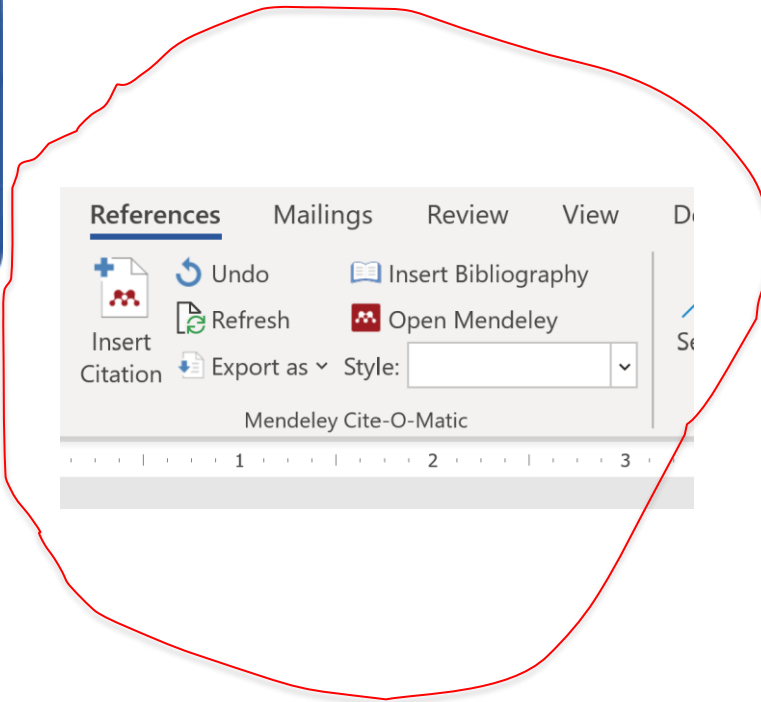


Mendeley word plug-in



Installing the WORD plugin  
Next open the Mendeley Desktop App. Go to Tools >> Install MS Word Plugin. Then restart Word. \* For Windows users the plugin will appear in the References tab of MS Word.





## Reference manager

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**Practice, in word, after installing Mendeley Plug-in, insert reference to:**

**1 book:** <https://link.springer.com/book/10.1007/978-3-319-48288-0>

**1 book chapter:** [https://link.springer.com/chapter/10.1007/978-3-319-48288-0\\_7](https://link.springer.com/chapter/10.1007/978-3-319-48288-0_7)

**1 scientific paper:** <https://www.mdpi.com/1996-1073/15/18/6725>

**1 report:** Sustainable Development Report 2022 (<https://dashboards.sdgindex.org/>)

**1 thesis:** <https://repositorio.ul.pt/handle/10451/53532>

**1 url (avoid this):** <https://www.pordata.pt/#AnchorCensos>

## Practice:

1 book: APEARS CORRECTLY????

IF NO

1 book chapter:

CORRECT MANUALLY!!!!!!

1 scientific paper:

1 report:

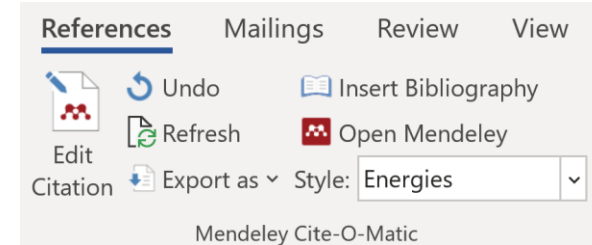
1 thesis:

1 url (avoid this):



At the end should look like this, when inserting “bibliography at the end”, style “Energies”:

[1][2][3][4][5][6]

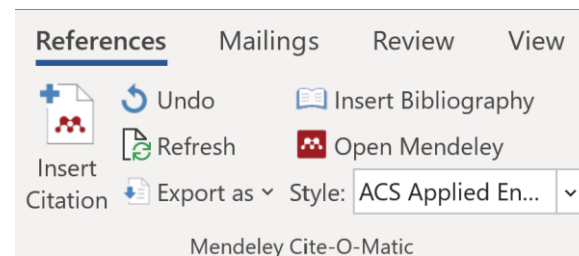


1. *Targeting Energy, High Value Products and Waste Valorisation*; Rabaçal, M., Ferreira, A.F., Silva, C.A.M., Costa, M., Eds.; Lecture Notes in Energy; Springer International Publishing: Cham, 2017; Vol. 57; ISBN 978-3-319-48286-6.
2. Silva, C.A.M.; Prunescu, R.M.; Gernaey, K. V.; Sin, G.; Diaz-Chavez, R.A. Biorefinery Sustainability Analysis. In *Targeting Energy, High Value Products and Waste Valorisation*; Rabaçal, M., Ferreira, A., Silva, C., Costa, M., Ed.; Cham, 2017; pp. 161–200.
3. Raposo, M.; Silva, C. City-Level E-Bike Sharing System Impact on Final Energy Consumption and GHG Emissions. *Energies* **2022**, *15*, 6725.
4. Sachs, J.; Kroll, C.; Lafortune, G.; Fuller, G.; Woelm, F. *Sustainable Development Report 2022*; Cambridge University Press, 2022; ISBN 9781009210058.
5. Marques, A.C.P. Impacto da COVID-19 no consumo energético e nas emissões atmosféricas em Portugal, Faculdade de Ciências da Universidade de Lisboa, 2022.
6. <https://www.pordata.pt/#AnchorCensos>. Último acesso a 7/10/2022.



## At the end should look like this, when inserting “bibliography at the end”, style “ACS Applied Energy Materials”:

123456



- (1) *Targeting Energy, High Value Products and Waste Valorisation*; Rabaçal, M., Ferreira, A. F., Silva, C. A. M., Costa, M., Eds.; Lecture Notes in Energy; Springer International Publishing: Cham, 2017; Vol. 57. <https://doi.org/10.1007/978-3-319-48288-0>.
- (2) Silva, C. A. M.; Prunescu, R. M.; Gernaey, K. V.; Sin, G.; Diaz-Chavez, R. A. Biorefinery Sustainability Analysis. In *Targeting Energy, High Value Products and Waste Valorisation*; Rabaçal, M., Ferreira, A., Silva, C., Costa, M., Ed.; Cham, 2017; pp 161–200. [https://doi.org/10.1007/978-3-319-48288-0\\_7](https://doi.org/10.1007/978-3-319-48288-0_7).
- (3) Raposo, M.; Silva, C. City-Level E-Bike Sharing System Impact on Final Energy Consumption and GHG Emissions. *Energies* **2022**, *15* (18), 6725. <https://doi.org/10.3390/en15186725>.
- (4) Sachs, J.; Kroll, C.; Lafortune, G.; Fuller, G.; Woelm, F. *Sustainable Development Report 2022*; Cambridge University Press, 2022. <https://doi.org/10.1017/9781009210058>.
- (5) Marques, A. C. P. Impacto Da COVID-19 No Consumo Energético e Nas Emissões Atmosféricas Em Portugal, Faculdade de Ciências da Universidade de Lisboa, 2022.
- (6) <https://www.pordata.pt/#AnchorCensos>. Último Acesso a 7/10/2022.

Mendeley Desktop

File Edit View Tools Help

Add Folders Sync Help

**My Library**

- # All Documents
- # Recently Added
- # Recently Read
- ★ Favorites
- Needs Review
- # My Publications
- # Unsorted
- Create Folder...

**External Library**

**Groups**


- Create Group...

**Trash**

- # All Deleted Documents

**Recently Added**

Authors	Title	Year	Published In	Added
Rabaçal, Miriam; Ferreira, Ana F.; Silva, Carla A. M.; Costa, Mário	Targeting Energy, High Value Products and Waste Valorisation	2017		9:44am
Silva, Carla A. M.; Prunescu, Remus M.; Gernaey, Krist V.; Si...	Biorefinery Sustainability Analysis	2017	Targeting Energy, High Value Produc...	9:52am
Raposo, Mariana; Silva, Carla	City-Level E-Bike Sharing System Impact on Final Energy Consumption and GHG Emissions	2022	Energies	9:54am
Sachs, Jeffrey; Kroll, Christian; Lafortune, Guillaume; Fuller, Gra...	Sustainable Development Report 2022	2022		9:58am
Marques, Ana Catarina Pires	Impacto da COVID-19 no consumo energético e nas emissões atmosféricas em Portugal	2022		10:05am
	<a href="https://www.pordata.pt/#AnchorCensos">https://www.pordata.pt/#AnchorCensos</a> . Último acesso a 7/10/2022			10:09am



The screenshot displays the Mendeley Desktop application interface. The main window shows a list of references under the 'Recently Added' section. A context menu is open over the 'Add Entry Manually' option, with a blue arrow pointing to it. A 'New Document' dialog box is overlaid on the main window, containing the following fields:

- Type: Journal Article
- No Title
- Authors: Authors
- Journal:
- Year:
- Volume:
- Issue:
- Pages:
- Abstract:
- Tags:
- Author Keywords:
- URL: Add URL...

Buttons at the bottom of the dialog are 'Reset', 'Save', and 'Cancel'.

# Reference manager

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Mendeley has been upgraded and new installation stay with a symbol on the side but has the same functionalities:

First insert a reference in the middle of a text in Word and after insert bibliography at the end of the document;

Always add new references in your library, after insert in the word and update in the Mendeley option

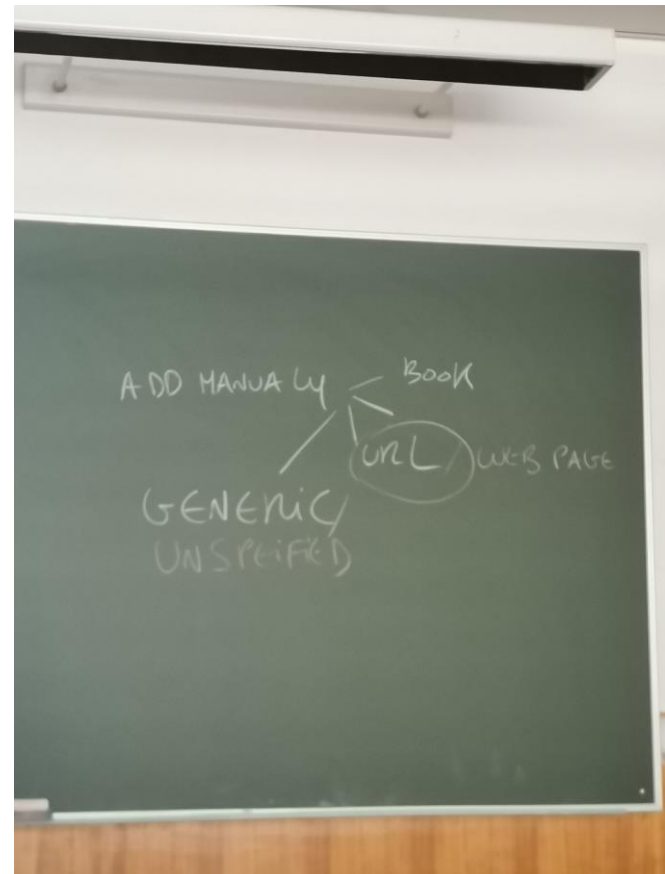


If adding manually:

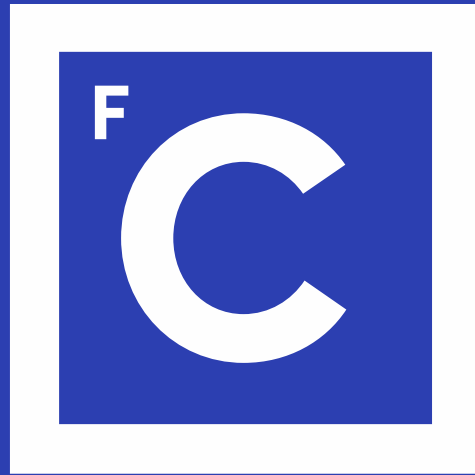
Chosse the type of document (book, book section, paper, thesis, etc...);

Fill the fields

Insert in work and see if looks ok in the bibliography, don't forget that the style can be changes any time!



**Thanks**



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