



TECHNISCHE HOCHSCHULE
OSTWESTFALEN-LIPPE
UNIVERSITY OF
APPLIED SCIENCES
AND ARTS

Management Skills and Business Administration

Part 5: Scientific Writing and Q&A

Prof. Dr. habil. Andreas Welling

Agenda

- **Scientific Writing**
- **Q&A-Session**

Section 5.1

Scientific Writing

Organize (read and sort) literature before writing

- **Publication / literature can be assigned to the corresponding parts:**
 - **Prior publications that contain details of methods you applied**
 - **articles that help you define your topic for the reader or help the reader understand the knowledge gaps that need to be filled**
 - **articles that support your results—or help you interpret your results**
- **usually only then does one recognize the “big picture” and know how to do it**
Customize story
- **It becomes clear whether you can only get one aspect through its illuminated literature**
- **Irrelevant sources can be sorted out in good time**
- **You get an overview of the number and quality of sources (are they sufficient?)**

Journal Access

- Typically not for free. It is quite expensive to buy an article.
- Free access to many Journals TH OWL library
(First: OpenVPNGUI) <https://www.th-owl.de/skim/services/dienste/medien/#c-accordion-48233-12>
- Nearby alternatives with even more Journals available
 - Library University of Paderborn
 - Library University of Bielefeld
- Get a guest card for these librarys if you want to do a Ph.D.

Give credit where it is deserved

- **If the methods or results of other studies were important for your own investigation - bring them into the discussion!**
- **The other way around: give yourself “credits” if your own results support the results of other studies.**
- **If results are unexpected or contradict those of other scientists: present them transparently and try to explain**

Harvard-Style: Journal Articles

- **Scheme: Authors (year) title. Magazine Volume / Volume: Pages.**

- **Examples**

Dvorakova D, Racil Z, Jeziskova I, Palasek I, Protivankova M, Lengerova M, Razga F, Mayer J. (2010) Monitoring of minimal residual disease in acute myeloid leukemia with frequent and rare patient-specific NPM1 mutations. *At J Hematol.* 85: 926-9.

Hillman M. (2010) More daylight, better health: why we shouldn't be putting the clocks back this weekend. *BMJ* 341: c5964.

Kelley LC, Ammer AG, Hayes KE, Martin KH, Machida K, Jia L, Mayer BJ, Weed SA (2010) Oncogenic Src requires a wild-type counterpart to regulate invadopodia maturation. *J Cell Sci.* 123 (Pt 22): 3923-32. doi: 10.1242 / jcs.075200.

Harvard-Style: Books

- **Scheme:**

**Authors (year) title. First place of publication: Verlag
Editor, Ed. (Year) Title: Subtitle. Edition. First place of publication: publisher,
page references.**

- **Examples:**

**Krukemeyer, MG (2011) Culture of Medicine: Traces, Paths and Goals. Stuttgart:
Schattauer; 2011: 25-43.**

**Steger F. (2008) The legacy of Hippocrates: medical ethical conflicts and their
roots. Göttingen: Vandenhoeck & Ruprecht.**

Harvard-Style: Electronic Documents

- **Scheme: Authors and / or Editors. (Year) title [Internet]. Version or edition, if applicable. Date of the document [cited on ...]. URL: web address**

- **Examples:**

American Heart Association (2007) Arrhythmias Originating in the Ventricles [Internet].

Last updated 09/21/07 [cited on May 14, 2008]. URL: [http:](http://www.americanheart.org/presenter.jhtml?Identifier=11)

[//www.americanheart.org/presenter.jhtml? Identifier = 11](http://www.americanheart.org/presenter.jhtml?Identifier=11)

German Society for Angiology, Society for Vascular Medicine (2010) Guideline of the

German Society for Angiology: Diagnosis and therapy of venous thrombosis and

pulmonary embolism [Internet]. 06/2010 [cited on 04/04/2012]. URL: [http:](http://www.awmf.org/uploads/tx_szleitlinien/065002_S2_Diagnostik_und_Therapie_der_Venenthrombose_und_der_Lungenembolie_06-2010_06-2015.pdf)

[//www.awmf.org/uploads/tx_szleitlinien/065002_S2_Diagnostik_und_Therapie_der_Venenthrombose_und_der_Lungenembolie_06-2010_06-2015.pdf](http://www.awmf.org/uploads/tx_szleitlinien/065002_S2_Diagnostik_und_Therapie_der_Venenthrombose_und_der_Lungenembolie_06-2010_06-2015.pdf)

Citation of Websites



- **Use a footnote**

- **Example in the text:**

“Different workshops for founders are offered at TH OWLin English language” ²

- **Example in the footnote:**

² www.th-owl.de/gruenden, retrieved on December 12th 2022

Abstract: Importance and difficulty

- **Abstract stands on its own and is the most important part next to the title and the objective**
 - is read by far more readers than the introduction
 - Abstract does not contain anything that is not part of the full article
- **“If I am to speak ten minutes, I need a week for preparation; if fifteen minutes, three days; if half an hour, two days; if an hour, I am ready now.”**
Former US president Woodrow Wilson

Section 5.2

Q&A-Session

