S0°6'14.083"N, 14°23'26.365"E Národní technická knihovna National Library of Technology National Centre for Information Support of Research, Development, and Innovation

Navigating Scientific Resources & Staying Organized

Making It Easier to Write a Ph.D. Dissertation, Article, or Proposal

Eliška Skládalová, Barbora Šátková

Courses, Workshops and Webinars (in English)

October 15, 2024



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Agenda

- 1. Searching: Introduction
- 2. Google Scholar
- 3. Library Resources & Full Text Access
- 4. Types of Sources
- 5. Reading & Organizing Sources
- 6. Publishing and Presenting of the Outputs



1. SEARCHING: INTRODUCTION

Keywords (for Searching)



4

- Which keywords in your subject area are used by other authors?
- Is there a thesaurus/dictionary for your field?
 - <u>MeSH</u> (Medical Subject Headings)
 - IEEE Thesaurus and Taxonomy
 - Mathematics Subject Classification
 - <u>The Transportation Research Thesaurus</u>
 - INSPEC Thesaurus (after login)
- Other useful tools:
 - <u>Wikipedia</u> (translation of terms, fact checking,...)
 - Google Scholar

	Affective compu	ting
	BT:	Artificial
	intelligence	
		Human computer
-/	interaction	
	RT:	Behavioral sciences
		Cognitive systems
		Emotion recognition
		Human factors
		Psychology

Database Search Tips

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• AND, OR, NOT/-





- Phrase searching (2)
- Truncation *

Filters ■

Educ* education, educator, educational, or educate.

Organi?e – organise and organize

- Advanced search
 - (author, title, abstract, full text, other)

Search Tools for Scientific Resources



• Search engines

- o Google Scholar
- Library discovery tool (<u>NTK</u>, <u>chemTK</u>, <u>CTU</u>)

...searching through multiple databases and collections mentioned below

- Article/book databases
 - Paid databases (eg. IEEE, ScienceDirect, see library subscribed databases)
 - Open databases and journals (eg. <u>DOAJ</u>, <u>PubMed Central</u> and <u>others</u>)
- Preprint collections on servers as <u>arXiv</u>, <u>ResearchGate</u>, <u>Academia.edu</u> or <u>institutional repositories</u>
- Citation databases Web of Science and Scopus (no full text, but links to full text)
- & P2P servers as Sci-Hub, LibGen



7

2. GOOGLE SCHOLAR

≡	Google Scholar	treatment greywater OR "grey water" "membrane reactor" -rainwater		National Library of Technology
•	Articles	About 463 results (0.03 sec)		
	Any time Since 2022 Since 2021	Performance of a Micro-Scale Membrane Reactor for Greywater Treatment at Household Level <u>V Diamantis</u> - Membranes, 2021 - mdpi.com	[HTML] mdpi.com Full text @ NTK	Google Scholar
	Since 2018 Custom range	The aim of this study is to develop a micro-scale household greywater treatment system, based on the membrane reactor technology, for possible installation under the wash basin or ★ Save 55 Cite Cited by 2 Related articles All 9 versions Web of Science: 1 Import into EndNote ≫		0
	Sort by relevance Sort by date	Fouling control of a membrane coupled photocatalytic process treating greywater	[PDF] academia.edu Full text @ NTK	Č.
	Any type Review articles	<u>M Pidou</u> , SA Parsons, G Raymond, <u>P Jeffrey</u> Water Research, 2009 - Elsevier Comparison between the current system and more traditional hybrid membrane reactor 1 with the fouling profile for an MBR treating greywater . At fluxes below 25 LMH the fouling	_	ΝΤΚ
	 ☐ include patents ✓ include citations 	★ Save 55 Cite Cited by 85 Related articles All 17 versions Web of Science: 47 Import into EndNote ≫	and the data at	50°6'14.083"N, 14°23'26.365"E Národní technická knihovna
	Create alert	A low energy gravity-driven membrane bioreactor system for grey water treatment: Permeability and removal performance of organics <u>A Ding, H Liang, G Li, I Szivak, J Traber</u> Journal of Membrane, 2017 - Elsevier The aims of this study were therefore: (1) to evaluate if it is possible to operate a grey-water membrane reactor in a stable manner without any aeration; (2) to understand how the	[PDF] lib4ri.ch Full text @ NTK	National Library of Technology
		☆ Save 579 Cite Cited by 76 Related articles All 6 versions Web of Science: 51 Import into EndNote ≫		• <u>CTU</u> is currently not fully
		Greywater treatment using an oxygen-based membrane biofilm reactor: formation of dynamic multifunctional biofilm for organics and nitrogen removal Y Zhou, R Li, B Guo, L Zhang, X Zou, S Xia Chemical Engineering, 2020 - Elsevier greywater treatment performance. The application of O 2 -MBfR for greywater treatment has In this study, we evaluated the treatment of synthetic greywater by a bench-scale O 2 -MBfR	Find It @ CUNI	integrated with Google Scholar
		☆ Save 💯 Cite Cited by 28 Related articles All 2 versions Web of Science: 21 Import into EndNote 🁀		

Library Links Setting

Google Scholar



	Google Scholar	Settings			
	Articles	Search results Languages Library links Account	 Collections Search articles (include patents). Search case law. 		
	Case law	Button			
	Profiles		Results per page		
۲	My profile		10 💠 Google's default (10 results) pr	Show library access links for (choose up to five libraries):	
*	My library		Where results open	praze e.g., Harvard	
\geq	Alerts		Open each selected result in a new brows	Masaryk University - Get Fulltext at MU	
	Metrics		Bibliography manager	 Vysoká škola chemicko-technologická - Získat přes VŠCHT (SFX) Czech University of Life Sciences Prague - Získat full text Czech National Library - Full-text @ NKP (JIB) Museum of Decorative Arts in Prague - Get it @ UPM via ART SG 	
Q ⁺	Advanced search		 Don't show any citation import links. Show links to import citations into BibTex 	 Městská knihovna v Praze - Získat v MKP Národní lékařská knihovna v Praze, ČR - Plný text v NLK 	II-Text @ VŠE
۵	Settings			Online access to library subscriptions is usually restricted to patrons of tha library password, use a campus computer, or configure your browser to us library's website or ask a local librarian for assistance.	
					Save Cancel

Browser extension (Chrome, Firefox, Opera) Google Scholar Settings ٠ Articles Search results Scholar Button for your browser Case law Languages Library links https://www.example.edu/paper.pdf Profiles Account Button [PDF] "Cite" Q Bibliography My profile 1. Einstein, A., B. Podolsky, and N. Rosen, 1935, "Can My library quantum-mechanical description of physical reality be considered complete?", Phys. Rev. 47, 777-780. Alerts \sim Metrics Install Scholar Button to look up papers as you browse. **o**⁺ Advanced search Cancel Save Settings 10

NITK

Národní technická knihovna National Library of Technology

Google Scholar Button

Google Scholar Button



Quick access to full text & citations download

References

 Sheehan J, Cambreco V, Duffield J, Garboski M, Shapouri H. An overview of biodiesel and petroleum diesel life cycles. A report by US Department of Agriculture and Energy; 1998. p. 1–35.

Google Scholar

S. Puhan, N. Vedaraman, B.V. Rambrahaman, G. Nagarajan Mahua (Madhuca indica) seed oil: a source of renewable energy in India J Sci Ind Res, 64 (2005), pp. 890-896 View Record in Scopus Google Scholar [3] S 🕁 Mahua (Madhuca indica) seed oil a source ([4] Mahua (Madhuca indica) seed oil: A source of renewable energy in India S Puhan, N Vedaraman, BV Rambrahamam... - 2005 Mahua oil methyl, ethyl and butyl esters were prepared and studied in a four stroke, direct injection diesel engine for their [5] performance and emissions. The engine test results showed high thermal efficiency in case of methyl ester compared to all other esters and diesel fuel. Different emissions such as carbon monoxide (CO), oxides of nitrogen (NO x), hydrocarbons (HC) is low for alkyl esters compared to diesel. Among alkyl esters except NO x all tail pipe emissions are lower in case of methyl ester compared to other esters. The ethyl ester shows ... Počet citací tohoto článku: 163 Související články Všechny verze (počet: 5) [PDF] niscair.res.in Chcete-li vyhledat jiný článek, vyberte jeho název na 53 Ω. stránce.

Mahua (Madhuca indica) seed oil: A source of renewable energy in India

Sukumar Puhan¹, N Vedaraman^{1,*}, B V Rambrahamam¹ and G Nagarajan² ¹Chemical Engineering Division, Central Leather Research Institute, Chennai ²Department of Mechanical Engineering, Anna University, Chennai

Mahua oil methyl, ethyl and butyl esters were prepared and studied in a four stroke, direct injection diesel engine for their performance and emissions. The engine test results showed high thermal efficiency in case of methyl ester compared to all other esters and diesel fuel. Different emissions such as carbon monoxide (CO), oxides of nitrogen (NO_x), hydrocarbons (HC) is low for alkyl esters compared to diesel. Among alkyl esters except NO_x all tail pipe emissions are lower in case of methyl ester compared to other esters. The ethyl ester shows lower NO_x emission compared to other esters. Based on this study, mahua oil methyl ester performs well compared to other esters on the basis of performance and emissions.

Keywords: Biodiesel, Diesel engine, Emissions, Mahua oil, Renewable energy IPC Code: F02B13/10

Introduction

Worldwide energy consumption has increased 17 fold in the last century and, as a consequence, the carbon dioxide (CO₂), sulfur dioxide (SO₂) and nitrogen oxides (NOx) emissions from the combustion of fossil fuels have damaged the atmosphere to a significant extent. CO₂ emissions have risen over the last two decades, reaching an atmospheric content of 360 ppm, estimating the world CO₂ emissions at about 26 billion metric ton per year,

diesel fuels substitute; soybean oil in the USA, rapeseed and sunflower oils in Europe, palm oil in south East Asia and coconut oil in Philippines are being considered as substitutes for diesel fuels. Since edible oil demand is higher than its domestic production (Table 1), there is no possibility of diverting this oil for production of biodiesel in India. Being a tropical country, India is rich in forest resources having a wide range of trees, which yield a significant quantity of oilseeds. The production of

Google Scholar <u>Tips & Tricks</u>

- Library links
- Citation management tools
- Google Scholar Button
- Google Scholar Alerts
- Google Scholar Account
 GS author profile
 My library

Don't show any citation import links	i.		
Show links to import citations into	BibTeX		
	EndNote		
	RefMan		
	RefWorks	Save	Cancel

Google Scholar		
Alerts		
Alerts for chodounska.alena@gmail.com		
"professional development" "academic library" "case study" - new results	Show up to 10 results	CANCEL
"information behavior" AND undergraduates AND library - new results	Show up to 10 results	CANCEL

CREATE ALERT

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Google Tips & Tricks



- Find the name of the person you are citing (especially when you are writing in Czech)
- Find pictures under open licence

Q All 🖾 Images 🕩 Videos	🖉 Shopping 🗉 News 🗄 More	Settings Tools	→ More Tip	s & Tricks on (Google
Size ▼ Color ▼ Type ▼ Time ▼	Usage Rights 🔺				200910
	All				
	 Creative Commons licenses 				
	Commercial & other licenses				

site:cvut.cz dissertation (all pages with keyword "dissertation" on domain "cvut.cz")



3. LIBRARY RESOURCES & FULL-TEXT ACCESS

Library Discovery Tools



Search Options Basic Search Advanced Search Search History

https://ukaz.cuni.cz



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- One box for searching across all journals and books (both electronic and print) provided by the library (items from databases like IEEE, ScienceDirect, EBSCO, ProQuest, and more)
- Advanced searching options
- Advanced filtering
- Library print collection included





Searching @ NTK

- NTK discovery tool
- Browse/find eBooks and eJournals
- Specific databases and electronic collections
- Access to full text
- Document delivery/interlibrary loan

Electronic resources accessible from home

Direct Access to **Databases** and Collections Provided by NTK



Getting Full Text (when Sci-Hub is down);)



1. Always make sure you are logged onto the library website for **off-campus access**

- 2. Activate Library links on Google Scholar
- 3. Use tools on library web page



eJournals	eArticles	eBooks
Journal Search	Discovery tool	Discovery tool
 Search for journal title or 	• "Phrase search" of article	 "Phrase search" of book title
ISSN	title	Supplement with name of
	Supplement with name of	one author for better
	one author for better	accuracy
	accuracy	eBook Search
		• Search for book title, ISBN,
		or author

Getting Full Text: Other Options



International ILL Order Form f	or individual NTK patrons
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Name *	
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Republic - Street	
Address - City 🔹	
Zip Code 🔹	
Email *	
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Your status *	Scholar / Scientist / Researcher
	Doctoral Student
	Student
	Other
Purpose of this order 🔹	Research
	Teaching
	Studies
	Other

https://www.techlib.cz/en/83429-international-ill-order-form

For materials that are not available online:

- Use <u>ILL form</u> (Interlibrary Loan)
- Ask for assistance: <u>info@techlib.cz</u>

Searching with new Al tools





been found that membrane filtration and oxidation processes are effective in treating greywater *.
 Compact submerged membrane sequencing batch reactors (SM-SBR) have been used for greywater treatment, and their performance has been evaluated *.

strategies:



Scopus

www.techlib.cz/en/2719-tutorials



4. TYPES OF SOURCES

Handbooks, Textbooks, & Encyclopedias

To get familiar with terminology and context for a new project



GROSS, Amit et al. *Greywater reuse*. London; New York; Boca Raton: CRC Press, Taylor & Francis Group, 2015. ISBN 9781482255041;1482255049;

→ greywater AND (handbook OR text book OR encyclopedias OR dictionary)

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Dissertations



- Get inspired by others' approaches to similar dissertation topics, formatting, and structure
- List of sources
- Discuss the choice of sample theses with mentor
- Avoid plagiarism

ProQuest Dissertations & Theses Global: The Sciences and **Engineering Collection** Q "solar home system" Full text Doctoral dissertations only Search tips 石阁后在世居 This database is the world's most comprehensive collection of dissertations and theses on sciences and engineering.

→ Czech institutional repositories (CTU, UCT, CU, Grey literature)
 → International repositories, ProQuest Theses (via NTK)

Review Articles

- Type of scholarly articles that provide summary and analysis of previous research on a specific topic/problem/question
- Efficient way to gain an overview of existing research and current state-of-the-art
- A comprehensive lists of relevant sources
- Review/Systematic Review,
 Meta-Research, Meta-Analysis
- → (greywater OR "grey water") AND (review OR meta-analysis OR meta-research)
- → Use a filter (available e.g., in <u>Scopus</u>, <u>Web of Science</u>, <u>Google Scholar</u>, <u>Semantic Scholar</u>)

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CIVIL ENGINEERING AND ENVIRONMENTAL SYSTEMS, 2016 VOL. 33, NO. 1, 35–54 http://dx.doi.org/10.1080/10286608.2015.1124868



Grey water in buildings: a mini-review of guidelines, technologies and case studies

Sabino De Gisi^a ⁽ⁱ⁾, Patrizia Casella^b, Michele Notarnicola^a and Roberto Farina^c

^aDepartment of Civil, Environmental, Land, Building Engineering and Chemistry (DICATECh), Technical University of Bari, Via Amendola 126/b, Bari (BA), Italy; ^bENEA, Department for Sustainability of Production and Territorial Systems, "Environmental biogeochemistry" Lab., Piazzale Enrico Fermi, 1, 80055 Portici (NA), Italy; ^cENEA, Department for Sustainability of Production and Territorial Systems, "Water, waste and raw materials integrated management technologies" Lab., Via Martiri di Monte Sole, 4, 40129 Bologna (BO), Italy

ABSTRACT

The aim of the work is to describe the state-of-the-art on the reuse of grey water at building level taking into account (i) the grey water characteristics and amounts produced, (ii) the recycling guidelines, (iii) the treatment systems and reuse technologies, also considering the removal of micro-pollutants as xenobiotic organic compounds, and (iv) an overview of case studies for developed countries. The mini-review highlights how the existing technologies allow the safe reuse of grey water. Attention must be given to the removal of micro-pollutants especially when the discharge takes place in surface water. With reference to 12 case studies of buildings which adopt non-conventional technologies with the aim to optimise energy

ARTICLE HISTORY Received 3 April 2015

Accepted 7 October 2015

KEYWORDS Buildings; grey water; reuse; treatment technologies

DE GISI, Sabino et al. Grey water in buildings: a mini-review of guidelines, technologies and case studies. *Civil engineering and environmental systems*. 2016, vol. 33, no. 1, pp. 35–54 [cit. 2022-10-10]. Available: <u>https://doi.org/10.1080/10286608.2015.1124868</u>

Seminal Articles

- Core articles for specific fields, usually providing some groundbreaking information
- Can usually be identified by the high number of citations
- Via citation databases (reliable journals and proceedings)
- ("waste water" OR "grey water") sorted
 via number of citations in Web of
 Science or Scopus

Scopus (<u>@</u>	<u>NTK</u>)		N	0°6'14.083"N, 14°23" Járodní technická knih Jational Library of Tecl	ovna
Olo Analyze search results		Show all abstr	acts Sort on: Cit	ed by (highest)	~
All - Export Download	View citation overview View of	cited by Add to List •••• d			
Document title		Authors	Year	Source	Cited by
□ 1 Pseudo-second order m	odel for sorption processes	Ho, Y.S., McKay, G.	1999	Process Biochemistr 34(5), pp. 451-465	y 10449
	NFX View at Publisher Relation				
Refine results	0/117,893 Add To Marked Lis		Citations	: highest first v < 1	of 2,000 >
Hot Papers	45 Ho. <u>YS</u> and <u>McKay, G</u> Jul 1999 <u>PROCESS BIOCHEI</u> A literature review of the use	model for sorption processes MISTRY 34 (5) , pp.451-465 e of sorbents and biosorbents to treat polluted aq ver 70 systems have been reported since 1984 and inetic mechanism. Three sorption kinetic models	d over 43 of these reported	; dyes/organics or metal the mechanism as),998 ations 5 erences

Chaudhuri, L. (n.d.). Seminal Works. EdD Executive Leadership <u>https://resources.library.lemoyne.edu/guides/EdD/Systematic-Review/Seminal-Works</u> Learn more about Citation Databases on our website

Early Access

Open Access
 Associated Data

→

933

336

SFX Full Text at Publisher

Seminal Articles (2)

Other search engines for academic resources that enable sorting results by number of citations:

- <u>Semantic Scholar</u> (a free search engine developed by the <u>Allen Institute for Al</u>)
- <u>Dimensions</u> (a commercial scholarly search platform, the free version includes searching in publications and datasets only)

Consider:

- Number of citations vs. time
- Difference: citation count in different tools (different set of content for analysis)



\equiv Google	Scholar	"grey water" OR "waste water"	Q SIGN IN
Articles	About 18,600	results (0.06 sec)	😒 My profile 🔺 My library
Any time Since 2022 Since 2021 Since 2018 Custom range	reuses F Li, K Wichm bathroom g nitrogen. In so	ew of the technological approaches for grey water treatment and ann, R Otterpohl - Science of the total environment, 2009 - Elsevier rey water , the laundry grey water and the mixed grey water are also deficient in me cases, the laundry grey water and the mixed grey water Kitchen grey water Cited Dy 720 Related articles All 12 versions Web of Science: 347 \$	[HTML] sciencedirect.com Full text @ NTK

The Most Up-to-date, State-of-the-art Search

árodní technická knihov

- Follow key scholars and institutions in your research field
- Preprint servers (arXiv, bioRxiv, others): articles published before peer review
- Conference papers, conference proceeding books
- Informal exploration of early-stage ulletideas: blogs, social networks, lectures

	Cornell University		
,	rXiv.org		Search All fields V Search
	INIV.OIG		Search All fields Vearch
ar qu	ticles in the fields of physics, mathematics,	ineering and systems science, and economics.	COVID-19 Quick Links See COVID-19 SARS-CoV-2 preprints from • arXiv • medRxiv and bioRxiv
:	Subject search and browse:		
-	Computer Science	Search Form Interface Catchup	Important: e-prints posted on arXiv are not peer-reviewed by arXiv; they should not be relied upon without context to guide clinical practice or health-
	Physics		related behavior and should not be reported in news media as established
Ì	Mathematics	7	information without consulting multiple experts in the field.
	Quantitative Biology	placements with TeX Live 2020. Learn more.	
	Computer Science	r's blog. (View the former "what's new" pages	
	Quantitative Finance	any automated download.	
	Statistics		
	Electrical Engineering and Systems Science		
	 Methods for Astrophysics of Galaxies, Cost Methods for Astrophysics; Solar and Ste Condensed Matter (cond-mat new, receiption) 	ellar Astrophysics	Planetary Astrophysics; High Energy Astrophysical Phenomena; Instrumentation and
	includes: Disordered Systems and Neur, Statistical Mechanics, Strongly Correlate General Relativity and Quantum Cosmo High Energy Physics - Experiment (hep- High Energy Physics - Lattice (hep-latr High Energy Physics - Phenomenology High Energy Physics - Phenomenology High Energy Physics - Theory (hep-thr Mathematical Physics (math-ph new, re- Nonlinear Sciences (nin new, recent, se includes: Adaptation and Self-Organizing Solitons Nuclear Theory (nucl-th new, recent, se Physics (physics new, recent, search) includes: Accelerator Physics; Applied P Classical Physics; Computational Physic	ral Networks; Materials Science; Mesoscale and Na ed Electrons; Superconductivity Jogy (gr-qe new, recent, search)	anoscale Physics; Other Condensed Matter; Quantum Gases; Soft Condensed Matte Chaotic Dynamics; Exactly Solvable and Integrable Systems; Pattern Formation and c and Molecular Clusters; Atomic Physics; Biological Physics; Chemical Physics; Dynamics; General Physics; Geophysics; History and Philosophy of Physics; ucation; Plasma Physics; Popular Physics; Space Physics



5. READING & ORGANIZING SOURCES

Reading: Smart, Careful, Mindful

- Essential part of keeping up-to-date with current research (new discoveries, leading authors, context of one's own research)
- Prerequisites for writing (writing habits in the field, argumentation, citing)

TIPS

- Be smart and picky; focus on abstract, conclusion, and specific issues before deciding to read the whole paper carefully
- Make notes from the very beginning; it will save your time later
- Managing sources: create your own system to organize materials and thoughts, be systematic

Managing Sources – Tips & Tricks

- Notes (electronic vs. written): important information, relationship to your work (methodology, contradictory or confirmatory conclusions, and so on)
- Folders, tags, or ranking system to differentiate between documents
- Citation management tools •



Example of electronic notes

and personality in human-robot interaction DOBLY ZD603 Benedict Tay ", Younbo Jung", Taezoon Park POUZIT V PRANTICUE Division of Systems and Engineering. Management, School of Mechanical & Aerospace Engineering, Nanyang Tech Division of Communication Research, Wee Kim Wee School of Communication and Information, Nanyang Techno Disparation of Industrial & Information Systems Engineering, Sanagul University, Scool South Force and Statement School (2014). ENST: P ARSTRACT With the emerging application of social and psych DESJ STELEOTSPN. tigated the effects of occupational roles (security ZOBLAZOVANI ROBOTI (extrovert vs. introvert) on user acceptance of a so two different roles of a healthcare and security t During the task, the robot manifested different ge V LIDSILJCH PLOFESICH + showed that participants (n = 164) preferred the sonality-occupational role stereotypes. This fine LEANCE RESPONDENTS robots do not monotonically influence user respo reotypes to affect user acceptance of social robo showed a stronger effect on users' responses results lay a foundation for designers to reduce arious parameters under the big umbrella of se accurately mimic human characteristics. This dimension research aims to develop natural and intuitive human-robot inter actions to facilitate user acceptance. One such attempt is to design The role of social robots has increasingly become diversified when compared to industrial robots that perform monotonous humanoid robots with human features as well as androids that are aesthetically similar to real human beings. In addition, researchers and repetitive tasks in factory settings. In accordance with the rapid development of relevant technologies and the increasing have started to apply social characteristics in the design of social robots, including exhibiting a natural gaze, gestures, and distinct demand for human resources in social settings, robots are expected tive personalities (Hwang, Park, & Hwang, 2013; Looije, Ne to play roles that are generally filled by humans in a variety of social contexts including the home, museums, subways, airports In spite of the preliminary success in anthropomorphizing and hospitals (Lee, Kiesler, & Forlizzi, 2010). Public acceptance of robots, simply applying human characteristics to social robots social robots however is not simple since successful social robots require a good mixture of state-of-the-art technology and a capacmay cause aversive and repugnant psychological responses. For instance/ Mori's Uncanny Valley (3970) suggests that human ity for friendly social interaction. Among various issues concerning -like robots-can be revulsive when these human-technology interaction, user acceptance has been identi responses toward human robots look and act almost, but not perfectly, like human beings. fied as a key element for successful implementation of social vers 2009: Heerink, Kröse, Evers, & In other words, when robots become or behave human-like, people start to pay more attention to the subtle differences between the Wielinga 2010) Along these lines, interest has recently been rising robots and human beings rather than the great resemblance for the development of socially interactive robots that can between the two, and this tends to trigger negative responses from neonle. As such human social characteristics blindly applied to social robots could negatively influence people's perceptions * Corresponding author. Address: Department of Industrial & Information Systems Engineering, Soongsil University, 369 Sangdo-Ro Dangjak-Gu, Seaul 156-743, South Korea, Tel.: +82 2 828 7034; fax: +82 2 825 1094. toward social robots, under certain circumstances (Eyssel & Hegel, 2012). PODPOLUSE/ VINCACI MOU MTELENUN

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Example of written notes

Citation Management Tools

Národní technická knihovna National Library of Technology

- Download and manage citations
- Create personal library
- Insert tags and notes
- Collaboration
- Generation of reference list
- Integrate with word processing software tools for easy insertion of citations into documents

Zotero

CitacePRO

Mendeley

Citavi

<u>JabRef</u> (integrated with LaTeX)

EndNote (subscription for UCT students)

Z Zotero						
Soubor (F) Úpr <u>a</u> vy Nás <u>t</u> roje Pomoc (H)						
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DIPLOMKA	> 🖬	Information Literacy in the Disciplines: Engineering Instruction Section Website	ACRL			
ECIL 2016	> 🖹	So you want to do anthropology in your library	Asher a Miller		2011	
HRUSOVANY	> 📄	Information Literacy Standards for Science and Engineering/Technology	Association of College & Research	Libr	2006	
V 🖾 NTK	> 🖹	Nontraditional undergraduates at home, work, and school: an examination of information-seeking behaviors and the impact of infor	Branch		2003	
> 🚞 01_Kon_Kaiserova	> 🖹	Information seeking and searching habits of Greek physicists and astronomers: a case study of undergraduate students	Brindesi et al.		2013	
> 🚞 02_Kon_Zalud	> 🖹	Academic libraries and social and learning space	Bryant et al.			
03_KON_Lichtenbergová	> 🗎	Millennial Students' Online Search Strategies are Associated With Their Mental Models of Search	Bussert		2011	
NTK team publications	> 🖹	Information-seeking behaviour of undergraduate biology students	Callinan		2013	
🚞 Řazení VV	> 🗐	Looking for information : a survey of research on information seeking, needs and behavior	Case		2002	
🚞 Unipetrol - test		"You just type in what you are looking for": Undergraduates' use of library resources vs. Wikipedia	Colón-Aguirre a Fleming-May		2012	
Workshopy	>	The Library in the Life of the User: Engaging with People Where They Live and Learn	Connaway a lxchel			
Mé publikace	> 🗐	Research design : qualitative, quantitative, and mixed methods approaches	Creswell		2014	
ሕ Duplicitní položky	> 🗎	The library study at Fresno State	Delcore et al.		2009	
Nezařazené položky	> 🗎	Discipline-Specific Library Instruction for Millennial Students	Dotson a Diaz		2008	
🗒 Koš		College libraries and student culture	Duke a Asher		2012	
		Tracing information literacy of computer science undergraduates: A content analysis of students' academic exercise	Edzan		2007	
A Skupinové knihovny	> 🖹	Modelling the information seeking patterns of engineers and research scientists in an industrial environment	Ellis a Haugan		1997	
✓	N	The Why, What and How of Using Ethnography for Designing User Experience in Libraries	Emary		2016	
Czech literature		Information-seeking behavior of undergraduate geography students	Fescemyer		2000	
English literature		Are we there yet?: Mixed methods research in library and information science	Fidel		2008	
French literature	Ē	Human information interaction: an ecological approach to information behavior	Fidel		2012	
🚞 German literature		Serendipity and its study	Foster a Ellis		2014	
Swedish literature	> 🖹	Studying Students	Foster a Gibbons		2007	
🚠 Duplicitní položky	> 🖹	Information seeking through students' eyes: The MIT photo diary study	Gabridge et al.		2008	
Nezařazené položky		Research methods used in library and information science during the 1970-2010	Gauchi Risso		2016	
်၍ Koš	> 🖹	Scholarly use of information: graduate students' information seeking behaviour	George et al.		2006	
> 💼 libraryspacentk	> 🗎	A Study of Undergraduate Information Literacy and Skills: The Inclusion of Information Literacy and Skills in the Undergraduate Curri	Hepworth		1999	
	> 🛃	Understanding presence awareness information needs among engineering students	Herskovic et al.		2012	
	> 🗎	Empirical research methods reported in high-profile LIS journal literature	Hider a Pymm		2008	
		Information Literacy in the Engineering Technologies at the Community College: A Literature Review	Hill et al.		2012	
		Millennial students' mental models of search: Implications for academic librarians and database developers	Holman		2011	

Use them, but don't trust them absolutely!



6. PUBLISHING AND PRESENTING RESEARCH OUTPUTS

Searching High-quality Journals and Conferences



- Ask your mentor and/or peers
- Use citation and analytical databases to identify reliable journals and conferences: <u>Web of Science</u>, <u>Scopus</u>, <u>Inspec Analytics</u>
- Try recommender services such as Elsevier JournalFinder, WoS Manuscript Matcher
- Review the quality & reputation (journal metrics, editorial board, conference organizers, mentor recommendations), <u>peer-review process</u> and author services provided; read tips about <u>avoiding predatory and questionable conferences</u>
- Consider relevance of the conference to your field as well as its intended audience
- Open Access, Open Data
- Article processing charge (APC) and other costs and benefits
- Learn whether you can submit the same content to multiple journals or conferences at the same time (or not)

Searching High-quality Journals and Conferences

Eaton, S.E. (2018). Avoiding predatory journals and questionable conferences: A resource

guide. University of Calgary. https://files.eric.ed.gov/fulltext/ED579189.pdf

Palmer, J. C. (2016). Navigating your first academic conference. *Psychological Science Agenda*. <u>https://www.apa.org/science/about/psa/2016/10/academic-conference</u>

Northcentral University Library (2021). *Research Process: Scholarly Publication.* <u>https://ncu.libguides.com/researchprocess/scholarlypublication</u>

Berkeley Library. (n.d.) Scholarly Publishing. https://www.lib.berkeley.edu/scholarly-communication/publishing

UNC University Libraries. (2021). Measure Your Research Impact: Where to Publish. <u>https://guides.lib.unc.edu/measure-impact/publish</u>

National Library of Technology

Summary



- Activate Library links on Google Scholar
- Always make sure you are logged into the library web for offcampus access to full-text articles
- Contact your librarian for materials that are hard-to-find
- Make notes and create your own system to organize materials from the very beginning of a project
- Use citation managers, but don't trust them absolutely
- Critically consider journals and conferences and be aware of the publishing and conference submission process

Get Assistance

1) Schedule a consultation

- Please don't be shy; <u>our team</u> includes doctoral students who know, the issues you face
- LaTeX support, Bibliometric services

2) Attend a webinar

3) Explore by yourself

• <u>STEMskiller</u>: comprehensive skills set map for early career researchers

Národní technická knihovna National Library of Technology

- <u>Tutorials</u>: NTK instructional materials and recordings, further resources
- Subject guides







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Thank you

Questions?

Navigating Scientific Resources & Staying Organized: Making It Easier to Write a Ph.D. Dissertation, Article, or Proposal