

# METADATA MATTERS

Mike Nason (PKP, UNB)  
Susan Collins (Crossref)



we have a lot of ground to  
cover today...

- what is metadata?
- why is it important?
- schema
- common errors
- style vs `<syntax />`
- shortcomings

- ojs metadata
  - for managers
  - for editors
  - for authors
- where does it go?
- "better practices"

**FEEL FREE TO  
INTERRUPT ME**

**i want this to be a  
conversation**



but, first, let's get to know  
one another!

**WHAT IS  
METADATA?**

data *about* data

**Descriptive metadata** is descriptive information about a resource. It is used for **discovery and identification**. It includes elements such as title, abstract, author, and keywords.

definition(s)



**Structural metadata** is metadata about containers of data and indicates how compound objects are put together, for example, how pages are ordered to form chapters. **It describes the types, versions, relationships and other characteristics of digital materials.**

definition(s)

**Administrative  
metadata** is information  
to help manage a  
resource, like **resource  
type, permissions, and  
when and how it was  
created.**

**definition(s)**

some examples



## Dedicated

Carly Rae Jepsen

Pop · 2019



- |     |                      |  |      |
|-----|----------------------|--|------|
| 1   | Julien               |  | 3:54 |
| 2   | No Drug Like Me      |  | 3:28 |
| ★ 3 | Now That I Found You |  | 3:20 |

15 songs, 49 minutes



Play



Shuffle



Party for One  
Carly Rae Jepsen



my love

If you don't care  
about me

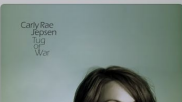
I'll just dance  
by myself

Back on my beat

Party for one



### More by Carly Rae Jepsen



apple music/spotify



photo metadata

6A4-99E5-4956-81D0-60D7F2819205.jpeg



original)

ail



on  
049

File Size	656 kB
File Type	JPEG
MIME Type	image/jpeg
Image Width	1536
Image Height	2049
Encoding Process	Baseline DCT, Huffman
Bits Per Sample	8
Color Components	3
X Resolution	72
Y Resolution	72
YCbCr Sub Sampling	YCbCr4:2:0 (2 2)
YCbCr Positioning	Centered
Color Space	sRGB
Scene Capture Type	Standard
Compression	JPEG (old-style)
Orientation	Horizontal (normal)

# photo metadata

Image Width	1536
Image Height	2049
Encoding Process	Baseline DCT, Huffman coding
Bits Per Sample	8
Color Components	3
Y Cb Cr Sub Sampling	YCbCr4:2:0 (2 2)

## JFIF

JFIF Version	1.01
Resolution Unit	None
X Resolution	72
Y Resolution	72

## IFD0

Orientation	Horizontal (normal)
X Resolution	72
Y Resolution	72
Resolution Unit	inches
Y Cb Cr Positioning	Centered

## Exif IFD

Exif Version	0221
Components Configuration	Y, Cb, Cr, -
Flashpix Version	0100
Color Space	sRGB
Exif Image Width	1536
Exif Image Height	2049
Scene Capture Type	Standard

## IFD1

Compression	JPEG (old-style)
X Resolution	72
Y Resolution	72
Resolution Unit	inches
Thumbnail Offset	316
Thumbnail Length	8149

photo metadata

**Case, Sue-Ellen.** “**Eve's Apple, or  
Women's Narrative Bytes.**”  
*Technocriticism and  
Hypernarrative*, special issue of  
*Modern Fiction Studies*, **vol. 43, no.**  
**3, 1997, pp. 631-50.** *Project Muse*,  
**doi:10.1353/mfs.1997.0056.**

citations/references



WHY DOES IT  
MATTER?



think about how hard it is  
to find things *when you  
have a poor description of  
what you're looking for*

garbage in

garbage out

am i *wrong to assume* that  
you want things to be  
more easily found?

# EXERCISE I **(of 1?)**

Metadata in the Wild

# Dancing with a Goblin

by [Young Satan In Love](#)

[Edit](#)[Delete](#)[Bulk Edit](#)

420 BC 00:00 / 04:46



## Digital Album

Streaming + Download

Includes unlimited streaming via the free Bandcamp app, plus high-quality download in MP3, FLAC and more.

**Buy Digital Album** \$5 CAD or more

[Send as Gift](#)

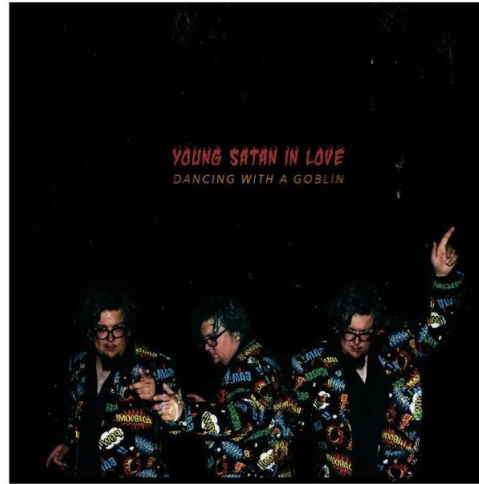
- ▶ 1. [420 BC](#) 04:46
- ▶ 2. [Back in Nam](#) 01:48
- ▶ 3. [Roar of War](#) 02:19
- ▶ 4. [Pleasures and Treasures](#) 03:31
- ▶ 5. [Bachelorette Party Band](#) 03:56
- ▶ 6. [PC Satan](#) 02:52
- ▶ 7. [Krystlewolf](#) 03:50

released October 31, 2019

young satan - the voice | zebadaya - keys, voice | hecubus - drums, voice | pazuzu - bass, keys | lil' leviathan - guitar | captain peaking - guitar | dusty - voice | 420 BC - voice | adamantium - guitar on pc satan

produced and mixed by ahhhh the goodlife at monopolized (Saint John, NB) | mastered by ryan morey | photography - desdemona | layout - dusty | model - the goblin

© all rights reserved



[Share / Embed](#)

[Wishlist](#)

supported by



## Young Satan In Love

Fredericton, New Brunswick

[Following](#)

A litmus test for devotion to strange notions. Puts your hands together, pulls them apart.

[edit artist bio](#)

[youngsatanisnotlove.com](#)

## discography



## Dancing with a Goblin

Oct 2019



## Government Weed



# Behind the door: a critical look at the process of publication in *Educational Studies in Mathematics*

## Authors

## Authors and affiliations

Vilma Mesa 1

 [Email author](#)

 [View author's ORCID profile](#)

David Wagner 2

1. University of Michigan, Ann Arbor, USA

2. University of New Brunswick, Fredericton, Canada

## Article

**First Online:** 22 June 2019

2

Shares

944

Downloads

## Abstract

To commemorate the 100th volume of *Educational Studies in Mathematics* (ESM) we invited all past and current editors to reflect on the journal's trends and internal processes. We

**Michael** Thomas William Nason, MA, MLIS

760 Dobie St

Fredericton, New Brunswick E3A 2Z5

T (506) 461-4117

[michael.nason@gmail.com](mailto:michael.nason@gmail.com)

[mnason@unb.ca](mailto:mnason@unb.ca)

## CURRICULUM VITAE

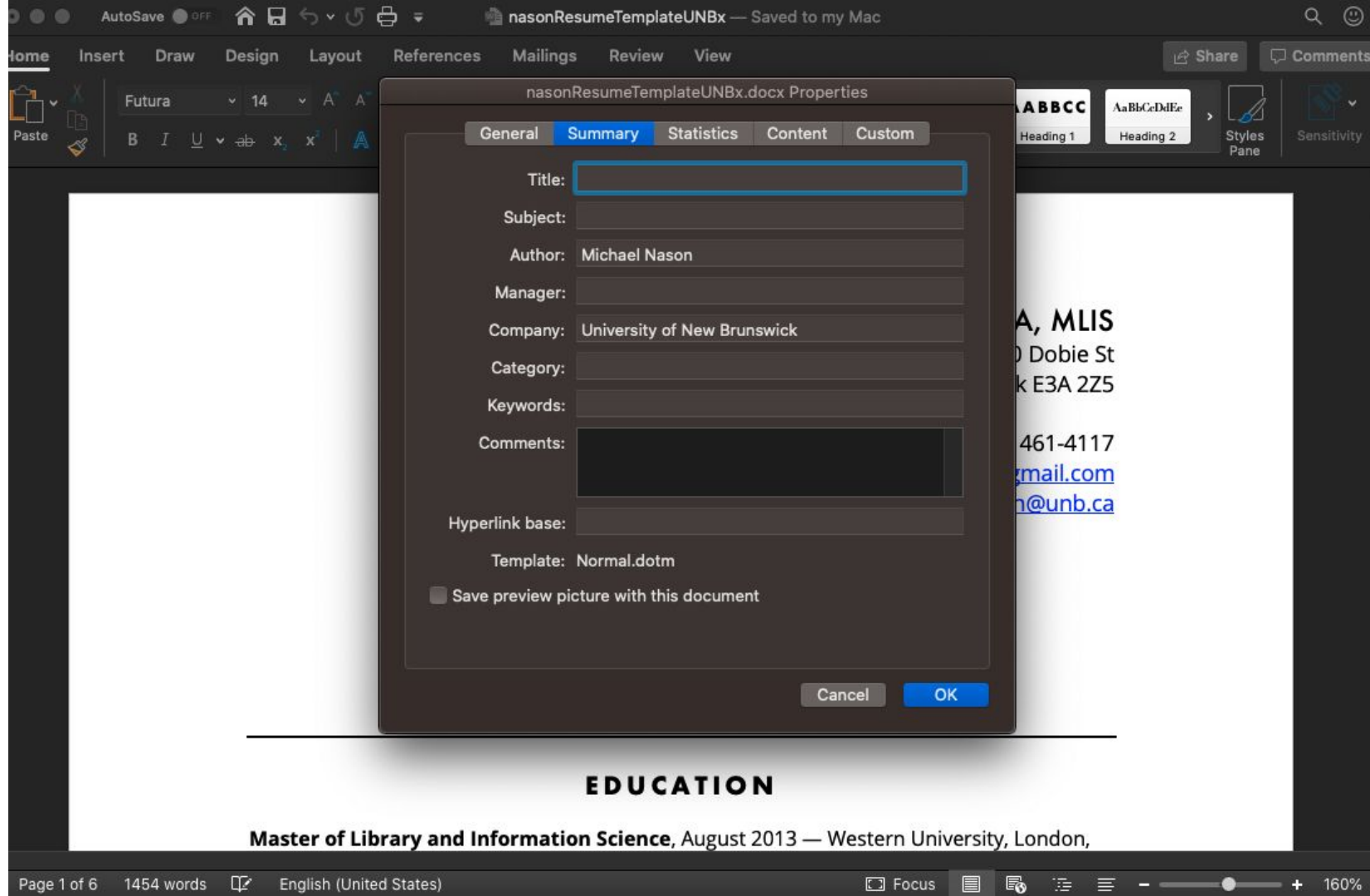
### UNIVERSITY OF NEW BRUNSWICK

---

#### EDUCATION

**Master of Library and Information Science**, August 2013 — Western University, London,





**WHAT IS A  
SCHEMA?**

```
@article{Case1997,  
  doi = {10.1353/mfs.1997.0056},  
  url =  
{https://doi.org/10.1353/mfs.1997.0056},  
  year = {1997},  
  publisher = {Project Muse},  
  volume = {43},  
  number = {3},  
  pages = {631--650},  
  author = {Sue-Ellen Case},  
  title = {Eve{\textquotesingle}s  
Apple, or Women{\textquotesingle}s  
Narrative Bytes},  
  journal = {{MFS} Modern Fiction  
Studies}  
}
```

a SCHEMA is what  
determines the content  
you'll describe and *how*  
*you will describe it.*

- MODS
- METS
- Dublin Core
- VRA Core
- Darwin Core
- Crossref

there are a lot of schemas to choose from! **varying disciplines use different schema.**

this ought to feel a little  
familiar

# Popular Citation Styles

And Who Uses Them!



**MLA**

English  
Literature  
Foreign Language  
Communications  
Religious Studies



**APA**

Psychology  
Education  
Business/Economics  
Nursing  
Linguistic Studies



**Chicago**

History  
Art History  
Fine Arts  
Anthropology  
Philosophy



**IEEE**

Engineering  
Computer Science  
Information Science



**CSE**

Biology  
Physics  
Chemistry  
Geology

academia has **not**  
made things easy for  
themselves...

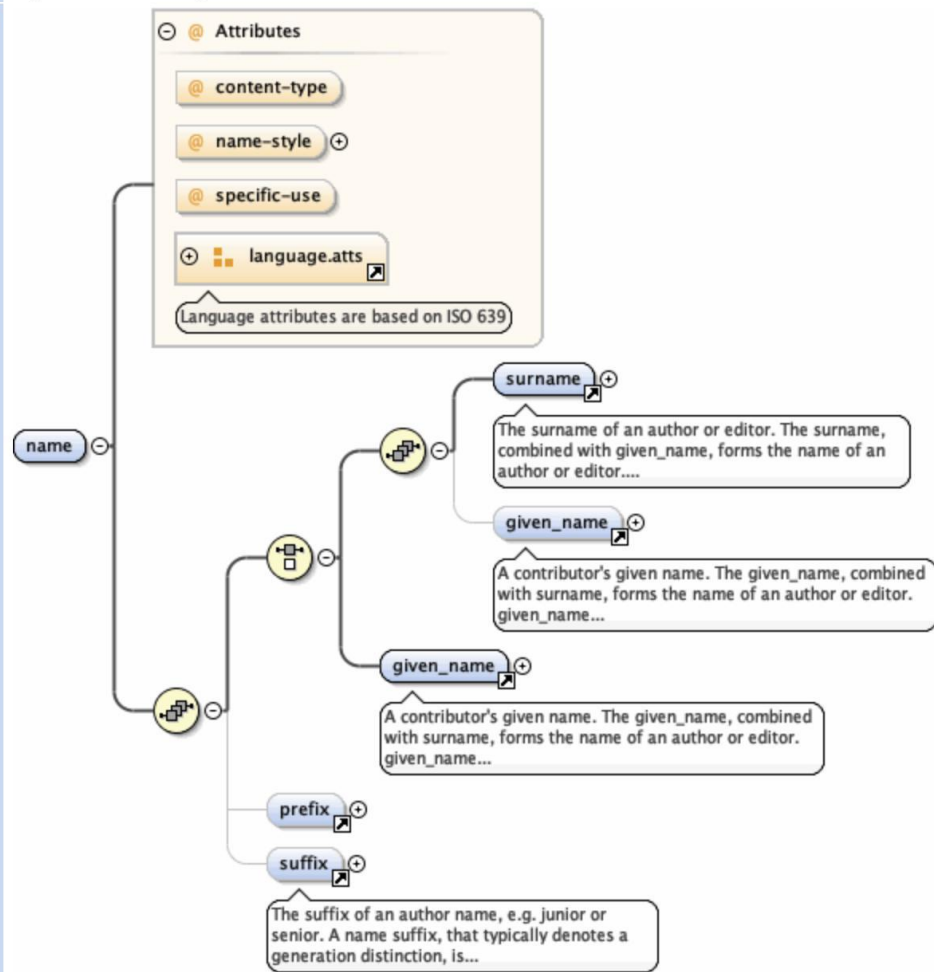
i apologise in advance for  
this example...

## Element name

Namespace

<http://www.crossref.org/schema/4.4.2>

Diagram





Used by	Element	alt-name			
Model		((surname , given_name{0,1})   given_name) , prefix{0,1} , suffix{0,1}			
Children		given_name, prefix, suffix, surname			
Instance		<pre>&lt;name content-type="" language="" name-style="western" specific-use="" xmlns="http://www.crossref.org/schema/4.4.2"&gt;   &lt;surname&gt;{1,1}&lt;/surname&gt;   &lt;given_name&gt;{0,1}&lt;/given_name&gt;   &lt;given_name&gt;{1,1}&lt;/given_name&gt;   &lt;prefix content-type="" language="" specific-use=""&gt;{0,1}&lt;/prefix&gt;   &lt;suffix&gt;{0,1}&lt;/suffix&gt; &lt;/name&gt;</pre>			
Attributes		QName	Type	Default	Use
		content-type			optional
		language	restriction of <b>xsd:NMTOKEN</b>		optional
		name-style	restriction of <b>xsd:token</b>	western	optional
		specific-use			optional
Source		<pre>&lt;xsd:element name="name"&gt;   &lt;xsd:complexType&gt;     &lt;xsd:sequence&gt;       &lt;xsd:choice&gt;         &lt;xsd:sequence&gt;           &lt;xsd:element ref="surname"/&gt;           &lt;xsd:element minOccurs="0" ref="given_name"/&gt;         &lt;/xsd:sequence&gt;         &lt;xsd:element ref="given_name"/&gt;       &lt;/xsd:choice&gt;       &lt;xsd:element minOccurs="0" ref="prefix"/&gt;       &lt;xsd:element minOccurs="0" ref="suffix"/&gt;     &lt;/xsd:sequence&gt;     &lt;xsd:attribute name="content-type"/&gt;     &lt;xsd:attribute name="name-style" default="western"&gt;       &lt;xsd:simpleType&gt;         &lt;xsd:restriction base="xsd:token"&gt;           &lt;xsd:enumeration value="western"/&gt;           &lt;xsd:enumeration value="eastern"/&gt;           &lt;xsd:enumeration value="islensk"/&gt;           &lt;xsd:enumeration value="given-only"/&gt;         &lt;/xsd:restriction&gt;       &lt;/xsd:simpleType&gt;     &lt;/xsd:attribute&gt;     &lt;xsd:attribute name="specific-use"/&gt;     &lt;!--using our language.atts attribute group instead of importing xml:lang--&gt;     &lt;xsd:attributeGroup ref="language.atts"/&gt;   &lt;/xsd:element&gt;</pre>			

i promise we won't do  
that again today...

...maybe.

**WHERE DOES IT  
ALL GO WRONG?**

let me ask you **few**  
**questions.**

**when you are writing:**

**how would you make a  
title or heading in  
microsoft word?**

when you are submitting:

a metadata field is  
\*required\*, but you don't  
know the information  
offhand or it doesn't  
exist. what would you do?

when you are publishing:

for years, your  
formerly-print journal  
listed all authors by first  
initial and full last name.  
you've started publishing  
online. how do you  
represent names?

it's not *all* on you...



sometimes, platforms and  
publishers are also bad at  
offering appropriate  
metadata options!

**OJS for example, does not  
currently have a  
corporate name field**

**Author  
first name  
and family  
name.**

**Corporate name**  
(ie, American Libraries  
Association)



**First name:** *American*

**Family name:**

*Libraries  
Association*

sometimes, poor ui,  
documentation or issues  
related to specific  
publishing cultures really  
mess things up!

**some common issues**

➔ **problem 1**

users do not use ISSN  
consistently (or with  
respect to ISSN  
requirements) and do not  
always update title-level  
metadata

## ➔ **problem 1**

featuring *Labour/Le Travail*

- /// In my ILS (WorldCAT): **Labour = Travail**
- /// In Canadian Periodical Index Quarterly (CPI.Q): **Labour/Le Travail**
- /// In Academic Search Premier: **Labour / Le Travail**
- /// In JSTOR Arts & Sciences V Collection: **Labour / Le Travail**
- /// In ABI/INFORM Complete (ProQuest): **Labour**
- /// In Canadian Business and Current Affairs (CBCA) Complete (ProQuest): **Labour**
- /// In print: **Labour / Le Travail**
- /// In all online branding: **Labour / Le Travail**
- /// **ISSN Registered Name: Labour**



➔ **problem 2**

metadata used  
inconsistently and, often,  
as a styling or theming  
alternative in an attempt  
to replicate print versions

## ⇒ problem 2

Users put "volume", "issue", or "year" fields in the "issue title" or "description" fields. They do this for any number of reasons, like:

- Users may want to display their volume and issue numbers in Roman numerals (or whatever unique characters they used in print)
- Users want to use "Volume" and "Number" instead of "Vol." and "No." (the OJS standard display)
- Users may fill an issue description with any number of things that are not descriptions
- Users may fill "issue title" with something that is not a title. Intended use of this field is for something like a "special issue title".

➤ **problem 3**

sometimes poor  
knowledge of either OJS  
settings or formatting  
leads to problematic  
content in abstract fields.

➤ **problem 3**

abstracts can be made  
optional per section of  
your journal

⇒ **problem 4**

**human names are very  
complicated**

➔ **problem 4**

ORCID helps...

... but so will consistency.

➔ problem 5

many users either don't understand that OJS has translation features or they believe that having both languages displayed simultaneously is more important.

➔ **problem 5**

titles, abstracts,  
keywords, and almost  
everything else can have  
translated metadata in  
OJS... **users can pick  
which language they  
want to read**



➔ problem 6

folks jam some truly wild  
stuff into title fields

⇒ problem 6

i have seen the following  
in title fields:

- ✓ dois
- ✓ urls
- ✓ author names
- ✓ multiple languages
- ✓ html
- ✓ journal sections

➤ **title fields are  
for titles**

**imagine someone citing  
your article using citation  
management software**

➔ problem 7

**ALL CAPS IS A BAD IDEA  
FOR METADATA AND IF  
YOU WANT STYLES IN  
ALL CAPS THERE ARE  
BETTER WAYS!**

⇒ **problem 7**

this is a symptom of the  
biggest issue of all...

most of the time the issue is that users

**MISTAKE**

**SYNTAX**

**FOR STYLE!**

➔ text editors are *great*  
*for illustrating this*

**WHY DOES THIS  
MATTER AGAIN?**



➤ google

➤ crossref

➤ citation assistant(s)

let's look at **google**  
**scholar** for a second

# How the Google Scholar indexing system works

- Google Scholar crawls the entire web looking for scholarly publications: articles, books, reports, theses, conference proceedings, preprints ...
- The indexing system identifies scholarly content, determines each item's bibliographic metadata, and groups all versions of an item together with this metadata in search results



The screenshot shows the Google Scholar interface. At the top, the Google Scholar logo is on the left, and a search bar contains the query "Plantas hospedeiras de cochonilhas-farinhentas (Hemiptera: Pseudococcidae)" with a magnifying glass icon. Below the search bar, the word "Articles" is displayed with a blue diamond icon. On the left side, there are filters for "Any time" (with sub-options: "Since 2019", "Since 2018", "Since 2015", "Custom range...") and "Sort by relevance" (with sub-option: "Sort by date"). Below these, there are checkboxes for "include patents" and "include citations", both of which are checked. The main search result is for the article "Plantas hospedeiras de cochonilhas-farinhentas (Hemiptera: Pseudococcidae) em cultivos de videira" by FSC Lopes, JV de Oliveira, et al., published in 2019 in the journal "revistas.ufg.br". The abstract mentions that the article is a review of the economic importance of scale insects (Hemiptera: Pseudococcidae) in grape cultivation, which are highly polyphagous and feed on plants from 250 families. The study was conducted in the Vale do São Francisco region, where 37 species of scale insects were identified on native plants of the Caatinga biome. To the right of the article title, there is a link to the PDF version: "[PDF] ufg.br". At the bottom of the search result, there are links for "Related articles" and "See all results".

Google Scholar

"Plantas hospedeiras de cochonilhas-farinhentas (Hemiptera: Pseudococcidae)"

Articles

Any time  
Since 2019  
Since 2018  
Since 2015  
Custom range...

Sort by relevance  
Sort by date

☒ include patents  
☒ include citations

Plantas hospedeiras de cochonilhas-farinhentas (Hemiptera: Pseudococcidae) em cultivos de videira [PDF] ufg.br

FSC Lopes, JV de Oliveira... - ... Research in the ..., 2019 - revistas.ufg.br

Resumo As cochonilhas-farinhentas (Hemiptera: Pseudococcidae) são consideradas pragas de importância econômica em cultivos de videira. São altamente polífagas, alimentando-se de plantas hospedeiras de 250 famílias. Objetivou-se identificar plantas hospedeiras de cochonilhas-farinhentas em cultivos de videira, na região do Vale do São Francisco. Foram amostradas plantas daninhas, ornamentais, quebra-ventos, frutíferas e nativas do bioma Caatinga. Foram identificadas 37 espécies de plantas hospedeiras de ...

☆ ⓘ Related articles ⓘ

Showing the best result for this search. [See all results](#)



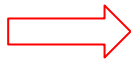
# What Scholar needs for indexing

- URLs for all articles
- Bibliographic information in the form of machine-readable metadata tags (“metatags”)

Bibliographic metatags tell the Scholar indexing system what the metadata for an article is: title, author, publication date, etc.



“Citation\_pdf\_url” metatag tells the indexing system which file to associate with this metadata



```
<meta name="citation_title" content="The testis isoform of the phosphorylase kinase  
catalytic subunit (PhK-T) plays a critical role in regulation of glycogen  
mobilization in developing lung">  
<meta name="citation_author" content="Liu, Li">  
<meta name="citation_author" content="Rannels, Stephen R.">  
<meta name="citation_author" content="Falconieri, Mary">  
<meta name="citation_author" content="Phillips, Karen S.">  
<meta name="citation_author" content="Wolpert, Ellen B.">  
<meta name="citation_author" content="Weaver, Timothy E.">  
<meta name="citation_publication_date" content="1996/05/17">  
<meta name="citation_journal_title" content="Journal of Biological Chemistry">  
<meta name="citation_volume" content="271">  
<meta name="citation_issue" content="20">  
<meta name="citation_firstpage" content="11761">  
<meta name="citation_lastpage" content="11766">  
<meta name="citation_pdf_url" content="http://www.example.com/content/271/20/11761.full.pdf">
```

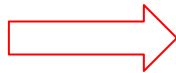


# View source code from article landing page to view metatags

Right click or keyboard command to "View Page Source," depending on your browser



Search HTML source for "citation\_" to view metatags



```
→ ↻ 🏠 ⓘ view-source:https://www.revistas.ufg.br/ateliê/article/view/54065  
  
<meta name="citation_journal_title" content="Ateliê Geográfico" />  
<meta name="citation_journal_abbrev" content="1" />  
<meta name="citation_issn" content="1982-1956" />  
<meta name="citation_author" content="Elaiz Aparecida Mensch Buffon" />
```



# Metatags should match the published PDF:

→ ↺ ↻ Ⓞ view-source:https://www.revistas.ufg.br/atelie/article/view/54065

```
<meta name="citation_journal_title" content="Ateliê Geográfico"/>
<meta name="citation_journal_abbrev" content="1"/>
<meta name="citation_issn" content="1982-1956"/>
<meta name="citation_author" content="Elaiç Aparecida Mensch Buffon"/>
<meta name="citation_author_institution" content="Universidade Federal do Paraná"/>
<meta name="citation_author" content="Francisco de Assis Mendonça"/>
<meta name="citation_author_institution" content="Universidade Federal do Paraná"/>
<meta name="citation_title" content="Risco socioambiental à leptospirose humana no Aglomerado Urbano Metro
<meta name="citation_date" content="2019/04/20"/>
<meta name="citation_volume" content="13"/>
<meta name="citation_issue" content="1"/>
<meta name="citation_firstpage" content="44"/>
<meta name="citation_lastpage" content="61"/>
<meta name="citation_doi" content="10.5216/ag.v13i1.54065"/>
<meta name="citation_abstract_html_url" content="https://www.revistas.ufg.br/atelie/article/view/54065"/>
<meta name="citation_language" content="pt"/>
<meta name="citation_pdf_url" content="https://www.revistas.ufg.br/atelie/article/download/54065/33043"/>
```

- Title, author, and publication dates match
- Bibliographic metatags written in (only) language/script of the article
  - e.g. citation\_title gives article title in Portuguese

## *Risco socioambiental à leptospirose humana no Aglomerado Urbano Metropolitano de Curitiba, Paraná-Brazil: uma proposta metodológica apoiada em SIG*

*Social-Environmental risk to human leptospirosis in Urban Agglomeration Metropolitan of Curitiba, Paraná-Brazil: a methodological proposal supported by GIS*

*Risque socio-environnemental pour la leptospirose humaine l'Agglomération Urbaine Métropolitaine de Curitiba, Paraná - Brésil: une proposition méthodologique basée sur le SIG*


Elaiç Aparecida Mensch Buffon  
Universidade Federal do Paraná  
eambuffon@gmail.com

Francisco de Assis Mendonça  
Universidade Federal do Paraná  
chico@ufpr.br

### Resumo

O conhecimento das áreas de risco socioambiental à leptospirose humana pode auxiliar no processo de tomada de decisão por gestores. A quantificação e o mapeamento desse risco por meio de um índice sintético possibilitam uma análise integrada da problemática. Nesse sentido, a presente pesquisa tem como objetivo propor e avaliar uma metodologia para o mapeamento do risco socioambiental à leptospirose humana por meio de um índice sintético que considera as vulnerabilidades e a exposição à doença. A proposta foi aplicada no Aglomerado Urbano Metropolitano de Curitiba, visando apresentar uma análise no nível de desagregação intraurbano e intrametropolitano, considerando um cenário de 2007 a 2013. Foram utilizadas técnicas estatísticas associada a cartografia de síntese (análise multicritério, cálculo álgebra de mapas, cálculo de incidência e matriz de cruzamentos), que culminaram nos seguintes resultados: 1) a metodologia se mostrou eficaz para sintetizar um grande número de dados, que possibilitou reduzir fenômenos complexos de inter-relações em mensagens simples e, 2) os maiores índices de risco socioambiental estão localizados tanto em regiões periféricas,

Publication date metatag should match date of formal publication for the issue



The screenshot shows the header of the ATELIÊ GEOGRÁFICO website. The header has a dark blue background with the logo on the left, the text "REVISTA ELETRÔNICA" in the center, and the ISSN "1982-1956" on the right. Below the header is a navigation bar with links "Actual", "Archivos", and "Acerca de". The breadcrumb trail below the navigation bar reads "Inicio / Archivos / Vol. 13 Núm. 1 (2019) / Artículos". The article title "Risco socioambiental à leptospirose humana no Aglomerado Urbano Metropolitano de Curitiba, Paraná-Brasil: uma proposta metodológica apoiada em SIG" is displayed below the breadcrumb trail.

Actual Archivos Acerca de ▾

Inicio / Archivos / **Vol. 13 Núm. 1 (2019)** / Artículos

**Risco socioambiental à leptospirose humana no Aglomerado Urbano Metropolitano de Curitiba, Paraná-Brasil: uma proposta metodológica apoiada em SIG**



The screenshot shows the view-source page of a browser. The address bar displays the URL "view-source:https://www.revistas.ufg.br/atelie/article/view/54065". Below the address bar, the source code of the page is visible. Three meta tags are highlighted with red boxes: "`<meta name='citation_date' content='2019/04/20' />`", "`<meta name='citation_volume' content='13' />`", and "`<meta name='citation_issue' content='1' />`".

→ ↺ 🏠 ⓘ view-source:https://www.revistas.ufg.br/atelie/article/view/54065

```
<meta name="citation_date" content="2019/04/20" />
<meta name="citation_volume" content="13" />
<meta name="citation_issue" content="1" />
```



# Problem: Incorrect publication dates in citation\_date metatag

- Known issue for OJS versions 3.0 and 2.4
- Usually upload date of article is included as publication date, e.g.
- `<meta name="citation_date" content="2019"/>`

versus issue date and date listed in PDF:



*A produção de espaço urbano e os fatores do processo de expansão do mercado imobiliário em Mossoró-RN*

*The production of urban space and the factors of the expansion process of the real estate market in Mossoró-RN*

*La producción del espacio urbano y los factores del proceso de expansión del mercado inmobiliario en Mossoró-RN*

Ademir Araújo da Costa  
Universidade Federal do Rio Grande do Norte  
ademir@ufrnet.br

Eduardo Alexandre do Nascimento  
Universidade Federal do Rio Grande do Norte  
eanascimentoa@gmail.com

## Resumo

As ações das forças políticas e do capital, em território mossoroense, têm engendrado a reunião de um conjunto de condições favoráveis ao expressivo desenvolvimento do mercado imobiliário na cidade. Tal desenvolvimento se evidencia pela significativa quantidade de investimentos aplicados na produção de condomínios residenciais fechados, destinados às classes, média e alta, e na construção de conjuntos habitacionais "populares" dentro do Programa Minha Casa Minha Vida (PMCMV). Diante dos impactos da dinâmica do setor imobiliário sobre a economia e sobre a reconfiguração do espaço urbano local, é preciso indagar: quais fatores têm impulsionado o mercado de imóveis residenciais em Mossoró a partir dos primeiros anos de 2000 até o presente momento? Partindo dessa questão, define-se como objetivo central deste trabalho a análise das principais condições e fatores responsáveis pelo processo de expansão do mercado imobiliário em Mossoró a partir dos primeiros anos de 2000.

**Palavras-chave:** Mossoró-RN; Mercado Imobiliário; Espaço Urbano; PMCMV





## **Fix:** Incorrect publication dates in citation\_publication\_date metatag

- Patches for supported versions of OJS include:
  - OJS 3.0.1 and 3.0.2:  
<https://github.com/pkp/ojs/commit/9105b7ebc397f3647d500d62d30654b56a4f1e60.diff>
  - OJS 3.0.0:  
<https://github.com/asmecher/ojs/commit/c46a9d7a0873ba21ab7fec1cd1453cae215f9a3f.diff>
  - OJS 2.4.x:  
<https://github.com/pkp/ojs/commit/6cf0078cff0556231696cf9979377381d18d721d.diff>
- More information here: <https://github.com/pkp/pkp-lib/issues/2739>



## **Problem:** Metatags no longer included after OJS upgrade

- Known issue for journals upgrading from OJS 2.x to OJS 3.0.1, 3.0.2, 3.1.0, and 3.1.1.
- In these cases, the Google Scholar plugin was not automatically enabled
- To test, view the source code for a few articles in each journal that upgraded.
  - If there is no citation\_title tag, your site is affected



## **Fix:** Metatags no longer included after OJS upgrade

- **Fix:** re-enable Google Scholar plugin manually via admin dashboard for OJS instances with a small number of journals
- **Fix:** upgrade to OJS 3.1.2
- **Fix:** use an SQL command for large OJS instances with many journals:

[https://github.com/pkp/ojs/blob/stable-3\\_1\\_2/dbscripts/xml/upgrade/3.1.2/update.xml#L41..L42](https://github.com/pkp/ojs/blob/stable-3_1_2/dbscripts/xml/upgrade/3.1.2/update.xml#L41..L42)



## Plugins

Name	Description	Enabled
<strong>Metadata Plugins (3)</strong>		
MODS 3.4 meta-data	Contributes MODS 3.4 schemas and application adapters.	<input checked="" type="checkbox"/>
Dublin Core 1.1 meta-data	Contributes Dublin Core version 1.1 schemas and application adapters.	<input checked="" type="checkbox"/>
OpenURL 1.0 meta-data	Contributes OpenURL 1.0 schemas and application adapters.	<input checked="" type="checkbox"/>
<strong>Authorization Plugins (0)</strong>		

No Items

## Block Plugins (7)

Language Toggle Block

Subscription Block

"Developed By" Block

"Hosted By PKP | PS" Block

Information Block

"Make a Submission" Block

Browse Block

## Gateway Plugins (1)

Resolver Plugin

## Generic Plugins (24)

▶ Citation Style Language

▶ Web Feed Plugin

TinyMCE Plugin

PDF.js PDF Viewer

▶ Custom Block Manager

HTML Article Galley

eLife Lens Article Viewer

Google Scholar Indexing Plugin

## Generic Plugins (32)

eLife Lens Article Viewer	This plugin provides rendering support for JATS XML galleys using eLife Lens.	<input checked="" type="checkbox"/>
TinyMCE Plugin	This plugin enables WYSIWYG editing of textareas using the <a href="#">TinyMCE</a> content editor.	<input checked="" type="checkbox"/>
PDF.js PDF Viewer	This plugin uses the <a href="#">pdf.js PDF viewer</a> to embed PDFs on the article and issue galley view pages.	<input checked="" type="checkbox"/>
Dublin Core Indexing Plugin	This plugin embeds Dublin Core meta tags in article views for indexing purposes.	<input checked="" type="checkbox"/>
▶ Web Feed Plugin	This plugin produces RSS/Atom web syndication feeds for the current issue.	<input checked="" type="checkbox"/>
HTML Article Galley	This plugin provides rendering support for HTML Article Galleys.	<input checked="" type="checkbox"/>
Google Scholar Indexing Plugin	This plugin enables indexing of published content in Google Scholar.	<input checked="" type="checkbox"/>

**Fix:** Select the “Google Scholar Indexing Plugin” checkbox



## Problem: Language mix up for multilingual metatags

- Combining different languages/scripts in metatags results in mixed, duplicate bibliographic information that prevents the item from being indexed properly in Scholar search results — and is confusing for users
- ex: including the translated version of the title in title metatags, e.g.
  - `<meta name="citation_title" content="War and Peace == Война и мир" />`
- ex: listing authors in native script/language of home institution when it is not the language in which the article was written, e.g.
  - `<meta name="citation_author" content="Толстой, Лев Николаевич " />`
  - `<meta name="citation_author" content="Tolstoy, Lev Nikolayevich " />`



# Problem: Using English by default for all metatags

- Using English in metatags, e.g. in the title metatags, when the article is in a different language results in citations to articles being missed and articles not being ranked as they should be

ex: <meta name="citation\_title" content=

"Socio-environmental risk to human leptospirosis in the Metropolitan Urban Parcel of Curitiba, Paraná-Brazil: a methodological proposal based on GIS" />

## *Risco socioambiental à leptospirose humana no Aglomerado Urbano Metropolitano de Curitiba, Paraná-Brazil: uma proposta metodológica apoiada em SIG*

*Social-Environmental risk to human leptospirosis in Urban Agglomeration Metropolitan of Curitiba, Paraná-Brazil: a methodological proposal supported by GIS*

*Risque socio-environnemental pour la leptospirose humaine l'Agglomération Urbaine Métropolitaine de Curitiba, Paraná - Brésil: une proposition méthodologique basée sur le SIG*

Elaiz Aparecida Mensch Buffon  
Universidade Federal do Paraná  
eambuffon@gmail.com

Francisco de Assis Mendonça  
Universidade Federal do Paraná  
chico@ufpr.br

### Resumo

O conhecimento das áreas de risco socioambiental à leptospirose humana pode auxiliar no processo de tomada de decisão por gestores. A quantificação e o mapeamento desse risco por meio de um índice sintético possibilitam uma análise integrada da problemática. Nesse sentido, a presente pesquisa tem como objetivo propor e avaliar uma metodologia para o mapeamento do risco socioambiental à leptospirose humana por meio de um índice sintético que considera as vulnerabilidades e a exposição à doença. A proposta foi aplicada no Aglomerado Urbano Metropolitano de Curitiba, visando apresentar uma análise no nível de desagregação intraurbano e intrametropolitano, considerando um cenário de 2007 a 2013. Foram utilizadas técnicas estatísticas associada a cartografia de síntese (análise multicritério, cálculo álgebra de mapas, cálculo de incidência e matriz de cruzamentos), que culminaram nos seguintes resultados: 1) a metodologia se mostrou eficaz para sintetizar um grande número de dados, que possibilitou reduzir fenômenos complexos de inter-relações em mensagens simples e, 2) os maiores índices de risco socioambiental estão localizados tanto em regiões periféricas,

# Fix: Always use language of article for metadata

- Use only the language/script of the published PDF for all metatags. Don't duplicate metatag information in multiple scripts.

ex: <meta name="citation\_title" content=

"Risco socioambiental à leptospirose humana no Aglomerado Urbano Metropolitano de Curitiba, Paraná-Brasil: uma proposta metodológica apoiada em SIG" />

## *Risco socioambiental à leptospirose humana no Aglomerado Urbano Metropolitano de Curitiba, Paraná-Brasil: uma proposta metodológica apoiada em SIG*

*Social-Environmental risk to human leptospirosis in Urban Agglomeration Metropolitan of Curitiba, Paraná-Brazil: a methodological proposal supported by GIS*

*Risque socio-environnemental pour la leptospirose humaine l'Agglomération Urbaine Métropolitaine de Curitiba, Paraná - Brésil: une proposition méthodologique basée sur le SIG*

Elaiz Aparecida Mensch Buffon  
Universidade Federal do Paraná  
eambuffon@gmail.com

Francisco de Assis Mendonça  
Universidade Federal do Paraná  
chico@ufpr.br

### Resumo

O conhecimento das áreas de risco socioambiental à leptospirose humana pode auxiliar no processo de tomada de decisão por gestores. A quantificação e o mapeamento desse risco por meio de um índice sintético possibilitam uma análise integrada da problemática. Nesse sentido, a presente pesquisa tem como objetivo propor e avaliar uma metodologia para o mapeamento do risco socioambiental à leptospirose humana por meio de um índice sintético que considera as vulnerabilidades e a exposição à doença. A proposta foi aplicada no Aglomerado Urbano Metropolitano de Curitiba, visando apresentar uma análise no nível de desagregação intraurbano e intrametropolitano, considerando um cenário de 2007 a 2013. Foram utilizadas técnicas estatísticas associada a cartografia de síntese (análise multicritério, cálculo álgebra de mapas, cálculo de incidência e matriz de cruzamentos), que culminaram nos seguintes resultados: 1) a metodologia se mostrou eficaz para sintetizar um grande número de dados, que possibilitou reduzir fenômenos complexos de inter-relações em mensagens simples e, 2) os maiores índices de risco socioambiental estão localizados tanto em regiões periféricas,



# Google Scholar indexing guidelines and resources for OJS

## 1. Google Scholar inclusion & troubleshooting guidelines

<https://scholar.google.com/intl/en/scholar/inclusion.html>

2. “Indexing Repositories: Pitfalls & Best Practices” presentation from 2015 Open Repositories conference (targeted to repositories, but has good general guidelines for both Scholar & web indexing)

<https://www.or2015.net/wp-content/uploads/2015/06/or-2015-anurag-google-scholar.pdf>

## 3. PKP Community Forum

<https://forum.pkp.sfu.ca>





let's look at **crossref** for a  
bunch of seconds!

welcome back!

when you are publishing  
content yourself, it is  
important to remember what  
happens to it downstream

when you want something in  
OJS to look a certain way,  
**modify the themes instead of  
altering the metadata!**

If we're getting it all wrong,  
**please let us know!** Do not be  
afraid to ask/bother/harass  
us.

**KNOW THAT I  
LOVE AND  
SUPPORT YOU**

THANK YOU! WE  
DID IT!

mnason@unb.ca | @ahemnason  
support@crossref.org