

# “FUNDAMENTOS PRA ESCREVER E PUBLICAR ARTIGOS CIENTÍFICOS”

**Prof. Dr. Wanderson Romão (PPGQUI-UFES & IFES de Vila Velha )**



# Introdução

- ❑ **Escrever e publicar um artigo científico pode não ser uma tarefa fácil.**
- ❑ A elaboração de qualquer artigo exige precisão e domínio sobre o assunto.
- ❑ **No entanto, muitas vezes os estudantes ficam em dúvida sobre a maneira correta de elaborar o seu trabalho.**
- ❑ Por onde começar? Como definir o tema da pesquisa? Qual linguagem utilizar no texto?
- ❑ Estes são apenas alguns dos questionamentos que surgem.
- ❑ **Antes vamos fazer um breve levantamento do histórico de publicação e em investimento em pesquisa no Brasil..**

## O Brasil produz Ciência? Produz artigos? Nós publicamos?





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All regions



2021



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2	United States	726552	649063	844047	360630	1.16	2711
3	United Kingdom	243792	213389	352482	93373	1.45	1707
4	India	237429	219625	201943	83946	0.85	745
5	Germany	208210	189090	250210	75348	1.20	1498
6	Italy	154304	137883	212588	69980	1.38	1189
7	Japan	144778	135097	118780	35276	0.82	1171
8	Canada	130786	118499	165646	35023	1.27	1381
9	France	128210	116720	166511	36124	1.30	1352
10	Australia	125211	113751	182241	42937	1.46	1193
11	Russian Federation	123849	119249	63308	26591	0.51	675
12	Spain	122688	113361	147012	37834	1.20	1073
13	South Korea	101692	97947	105828	26648	1.04	810
14	Brazil	100085	94517	87295	24430	0.87	690
15	Iran	77346	74739	92339	31632	1.19	416



2000 to 2022



All subject areas



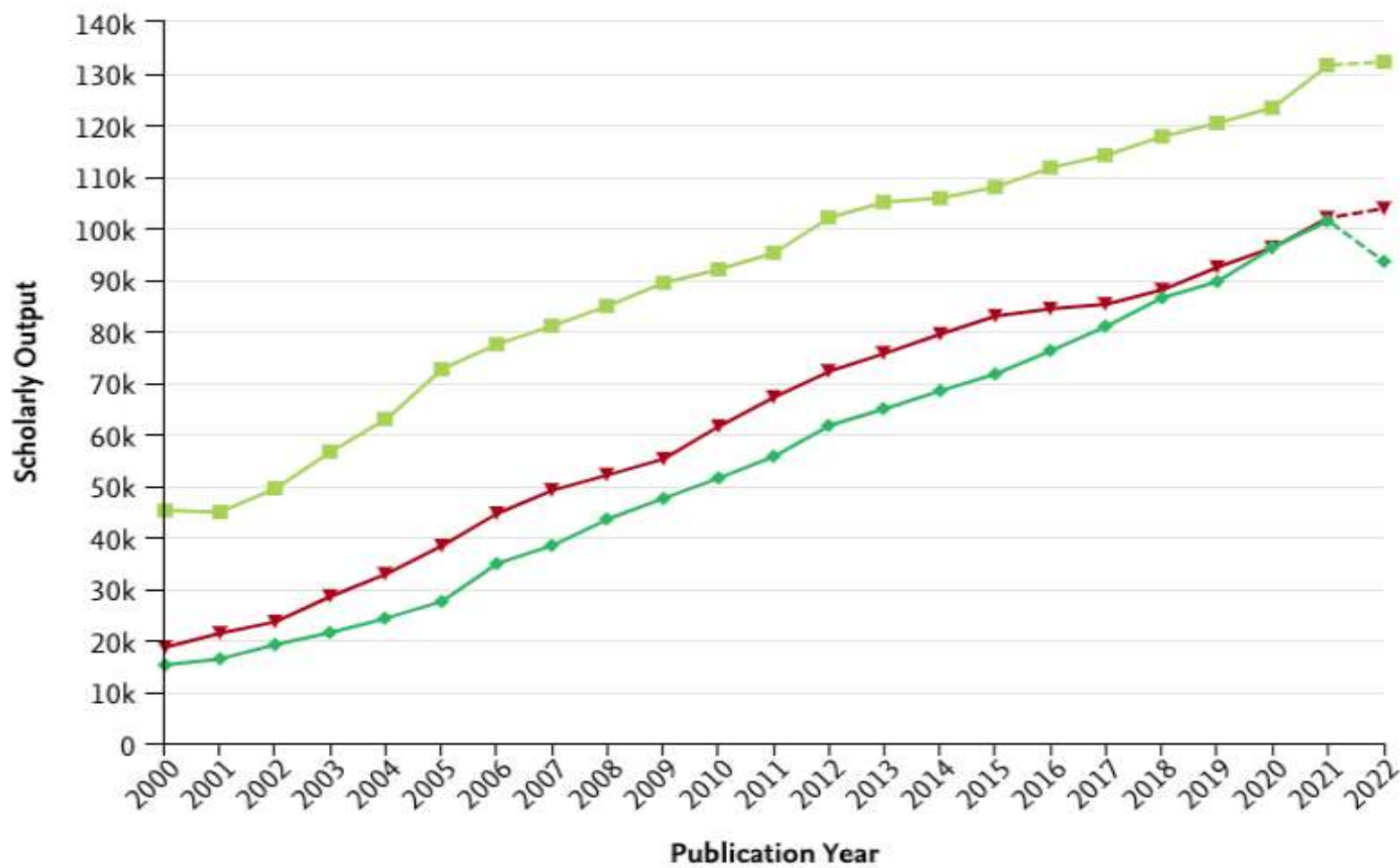
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x-axis

Bubble size

Scholarly Output

Publication Year



- Canada
- South Korea
- Brazil

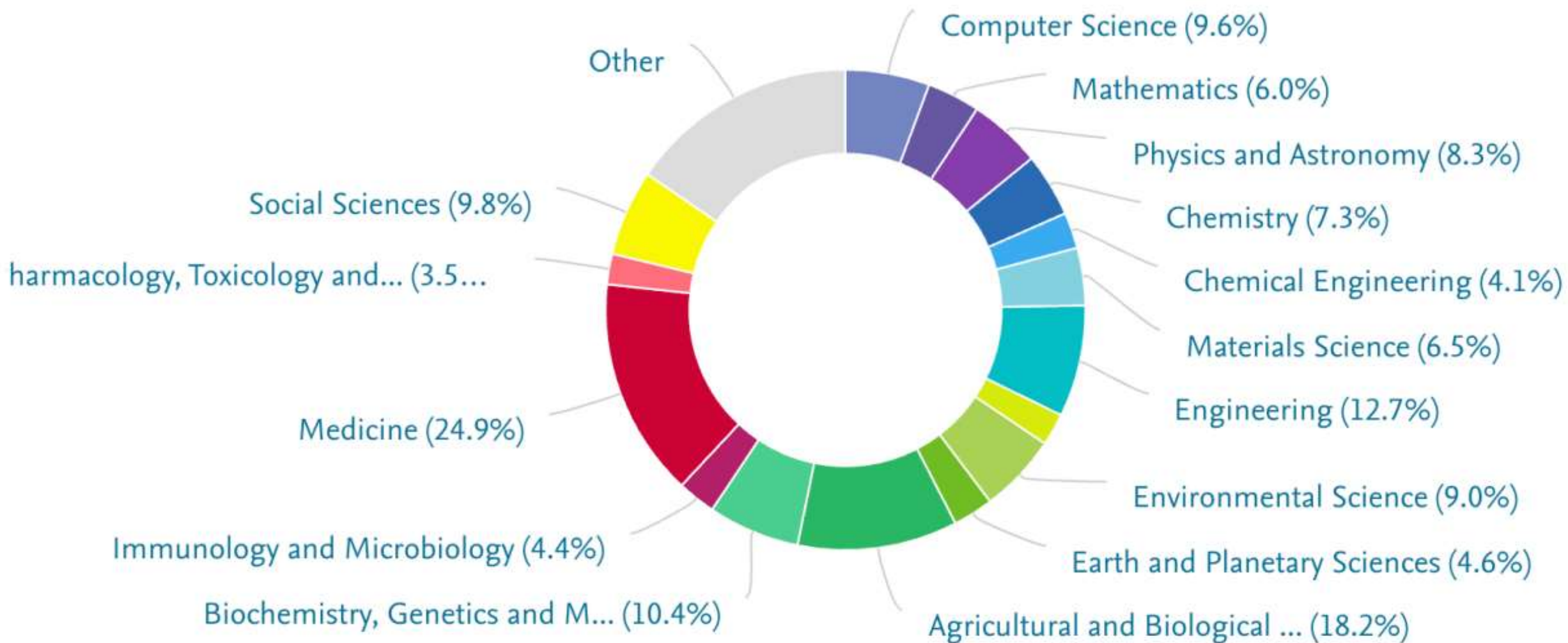
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Brazil

2017 to >2022



All subject areas



2017 to >2022



All subject areas



ASJC

Summary

Topics

Collaboration

Published

Viewed

Cited

Authors

Institutions

Patent Impact

Awarded Gr

+ Add Summary to Repo

### Overall research performance

562,871 ▲

Scholarly Output ⓘ

52.0% All Open Access

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676,464 ▲

Authors

0.90

Field-Weighted Citation Impact ⓘ

[Yearly breakdown](#)

4,307,516

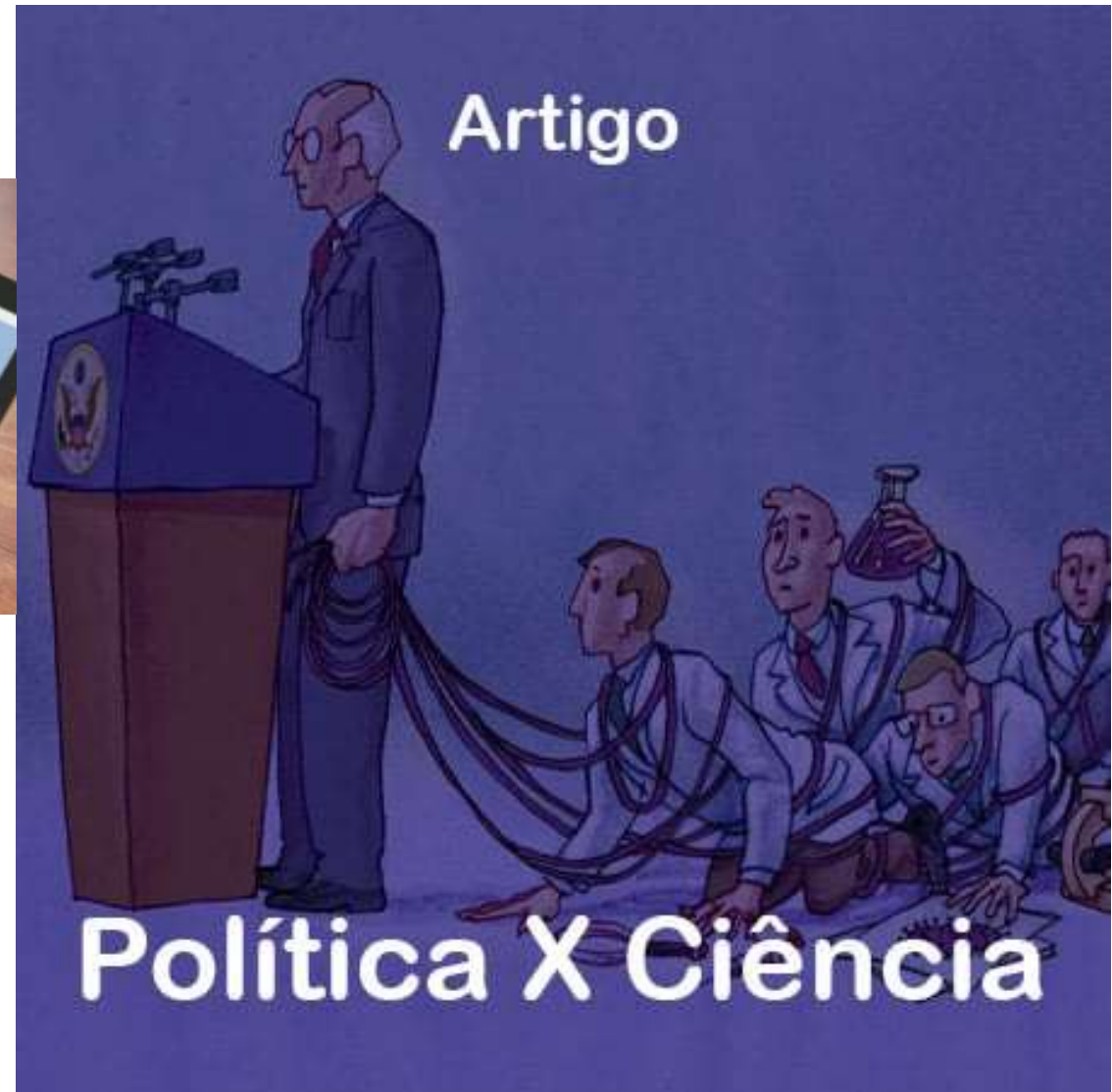
Citation Count ⓘ

7.7

Citations per Publication ⓘ



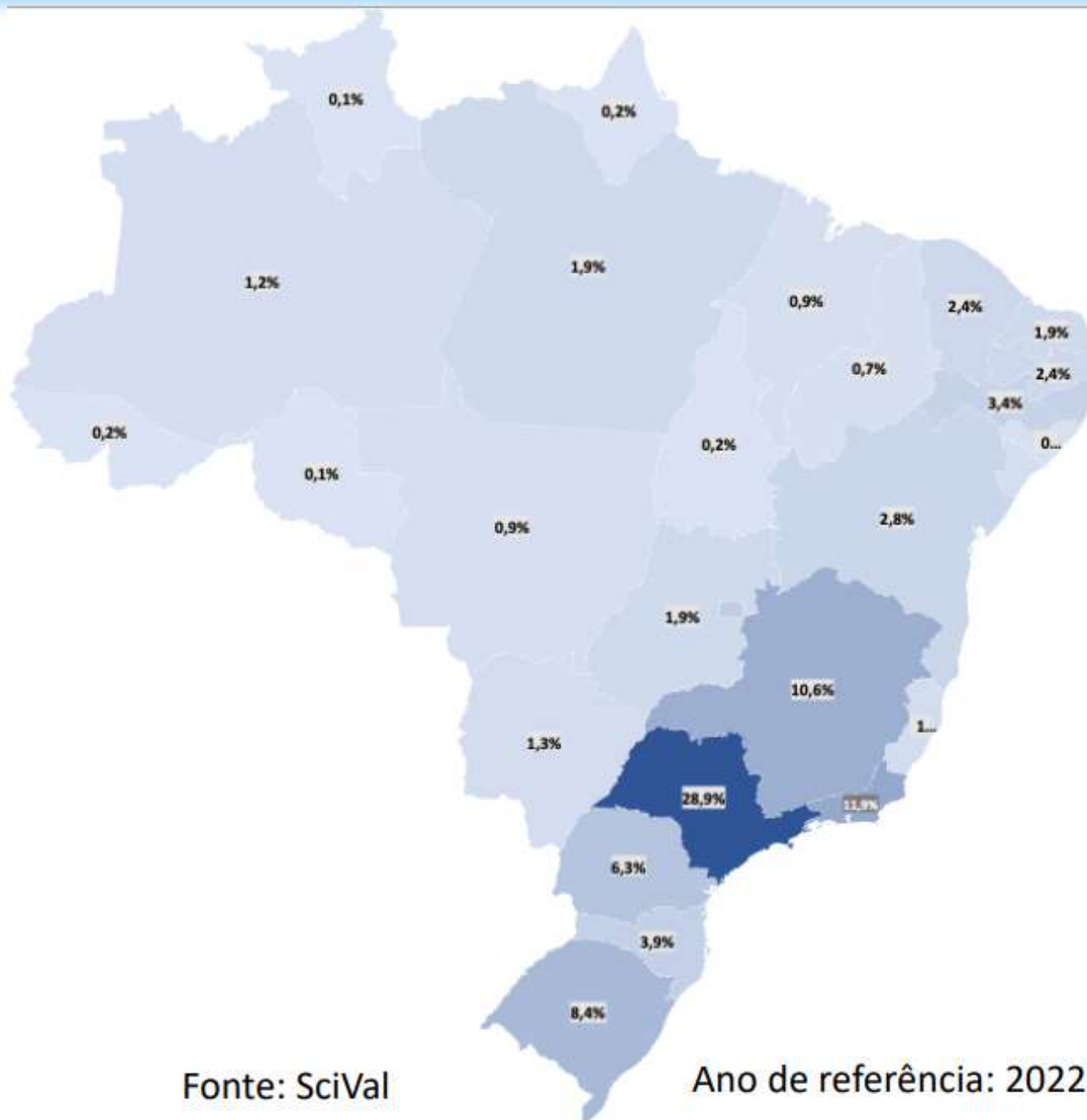
## Quem publica artigo científico? Quem faz Ciência?



# Número de mestres e doutores titulados e de artigos científicos publicados



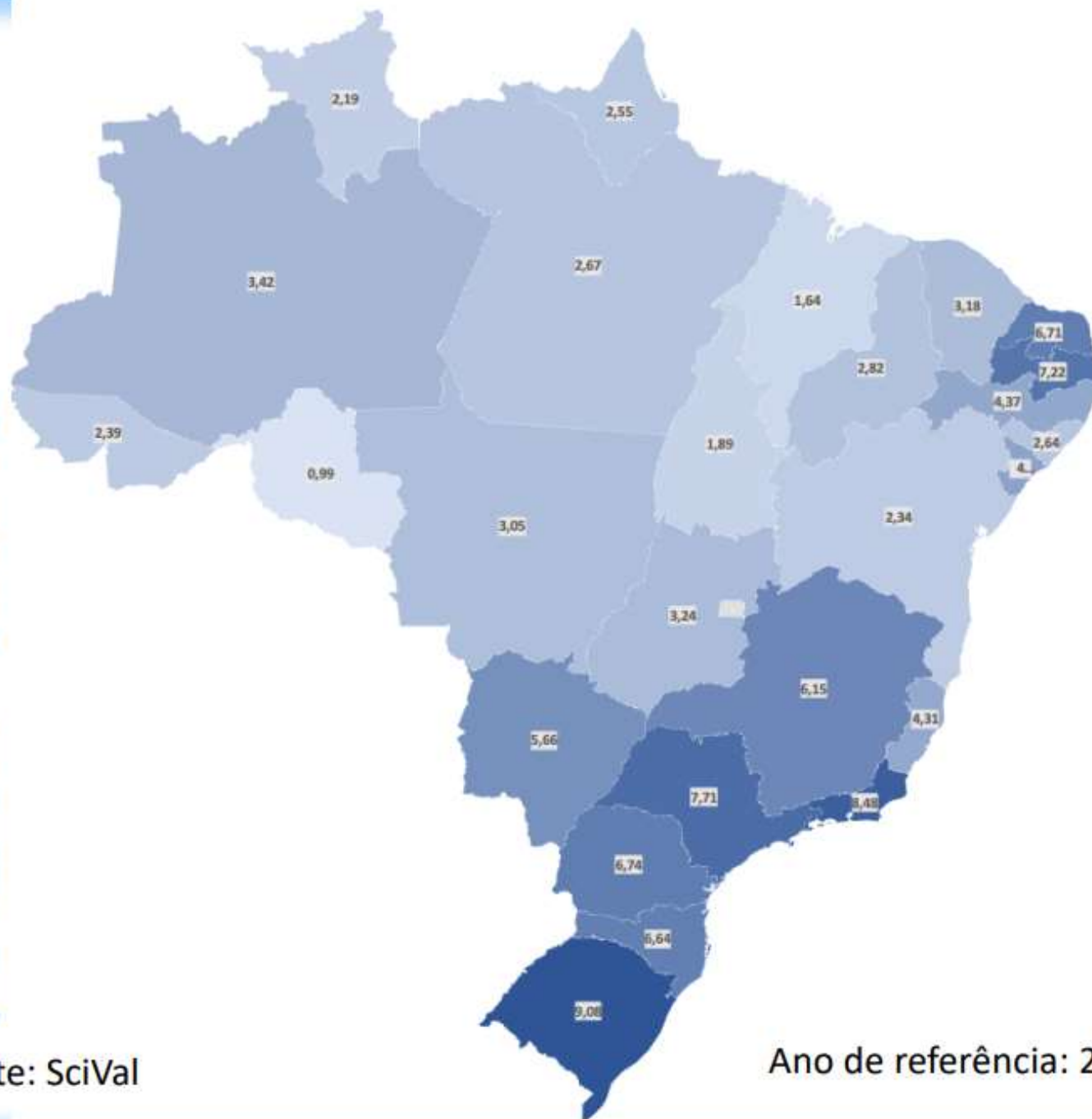
# Contribuição de cada UF na produção científica brasileira



UF	Percentual da produção científica
SP	28,9%
RJ	11,9%
MG	10,6%
RS	8,4%
PR	6,3%
DF	4,6%
SC	3,9%
PE	3,4%
BA	2,8%
CE	2,4%
PB	2,4%
RN	1,9%
PA	1,9%
GO	1,9%
ES	1,4%
MS	1,3%
AM	1,2%
MA	0,9%
SE	0,9%
MT	0,9%
PI	0,7%
AL	0,7%
TO	0,2%
AM	0,2%
AC	0,2%
RO	0,1%
RR	0,1%



# Produtividade científica – Artigos por 10.000 habitantes

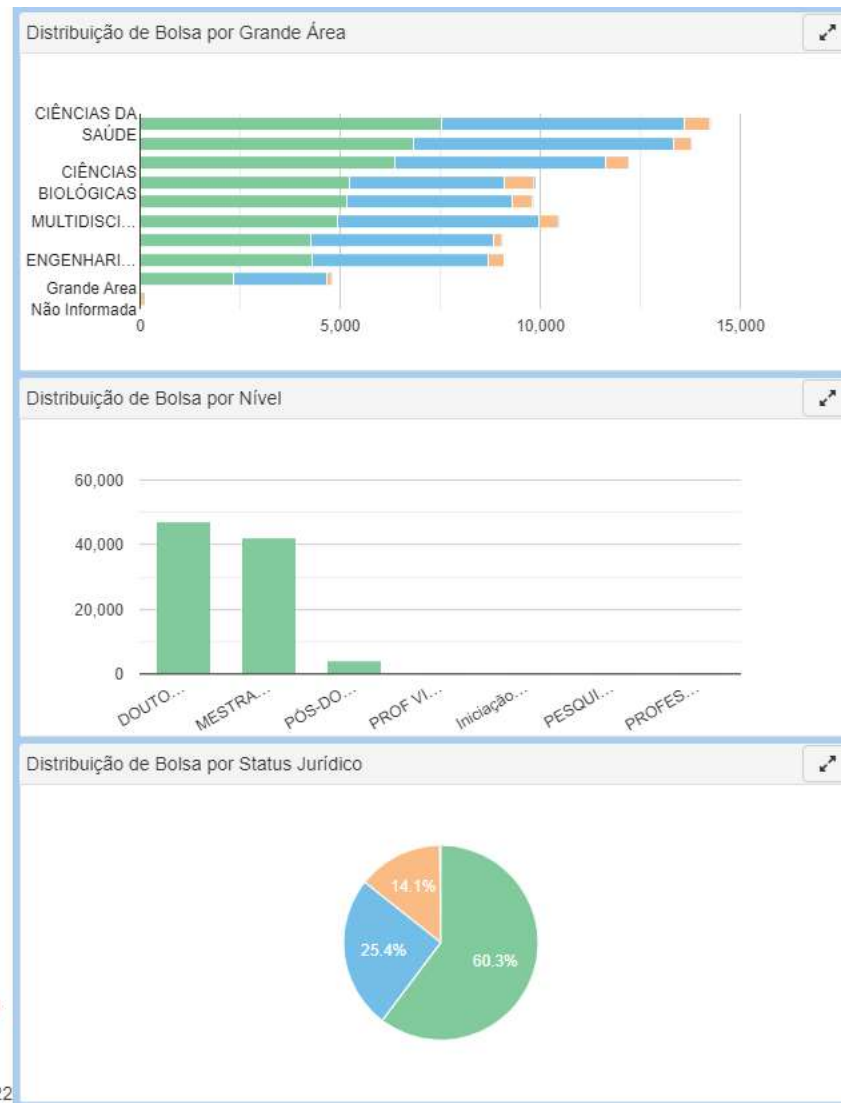


Fonte: SciVal

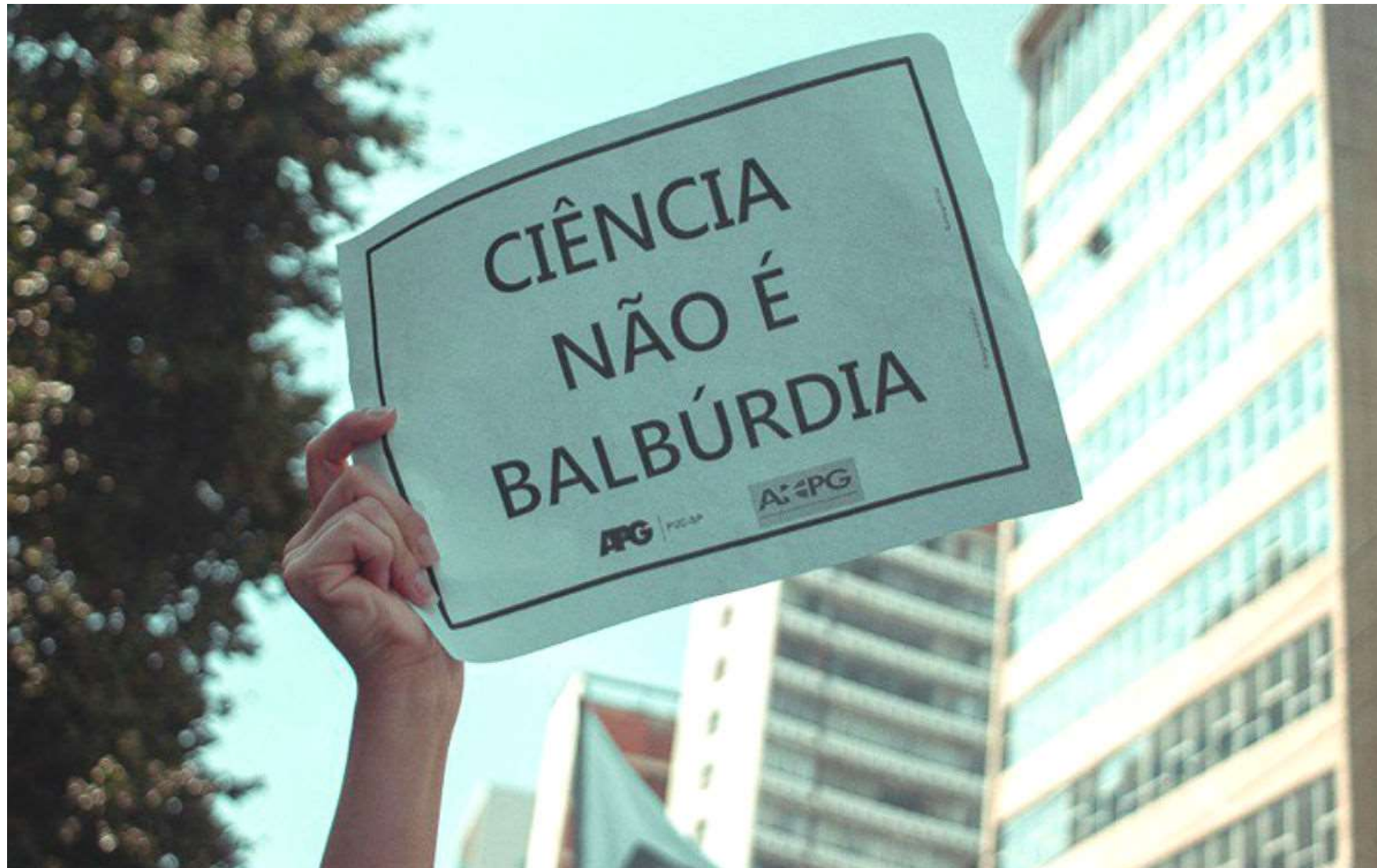
Ano de referência: 2022

Estado	Artigos por 10.000 habitantes
RS	9,08
RJ	8,48
SP	7,71
PB	7,22
PR	6,74
RN	6,71
SC	6,64
MG	6,15
MS	5,66
SE	4,65
PE	4,37
ES	4,31
AM	3,42
GO	3,24
CE	3,18
MT	3,05
PI	2,82
PA	2,67
AL	2,64
AM	2,55
AC	2,39
BA	2,34
RR	2,19
TO	1,89
MA	1,64
RO	0,99

# Concessão de bolsas de PPG no Brasil em 2021



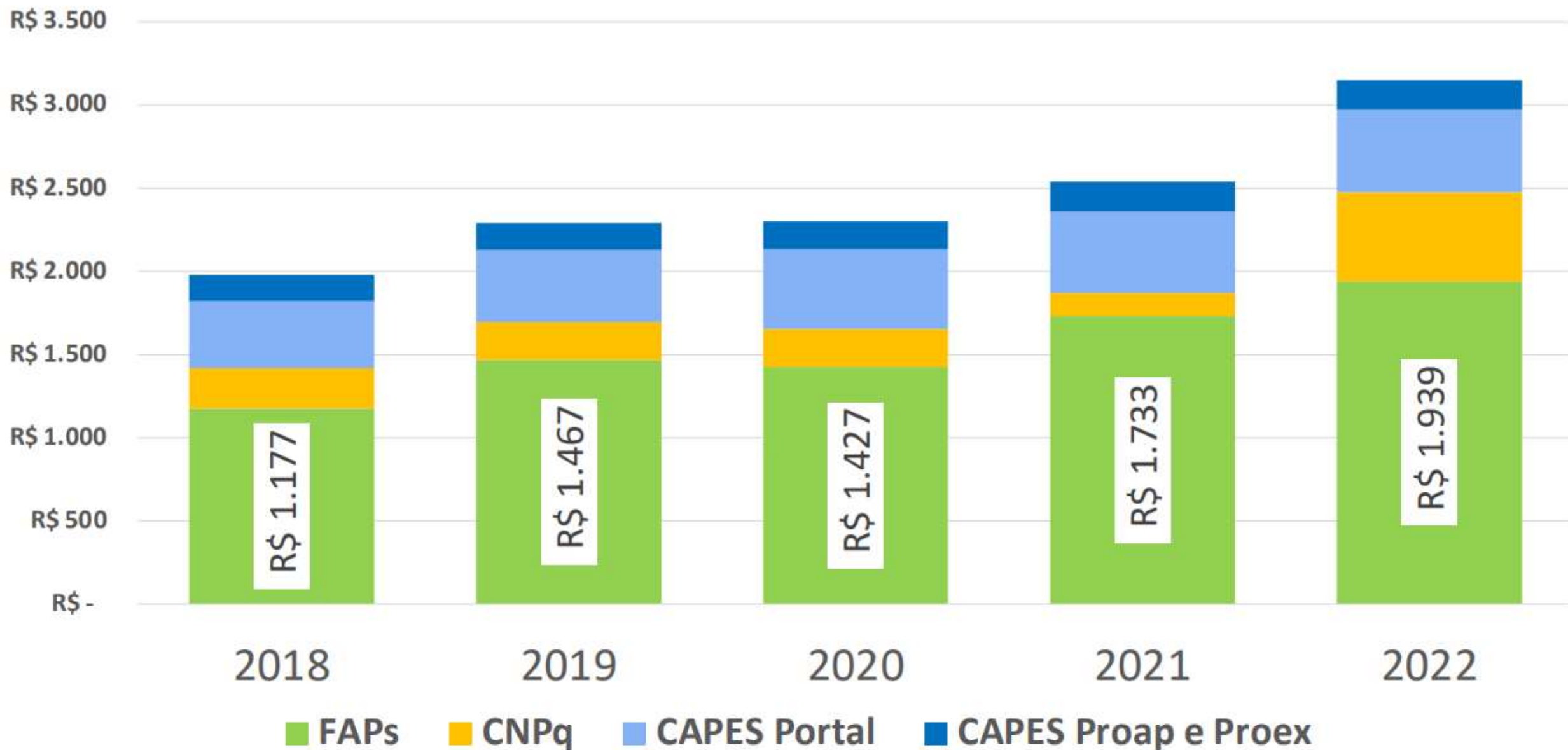
## Quem Investe em Pesquisa? FAPs vs. CNPq vs. CAPES



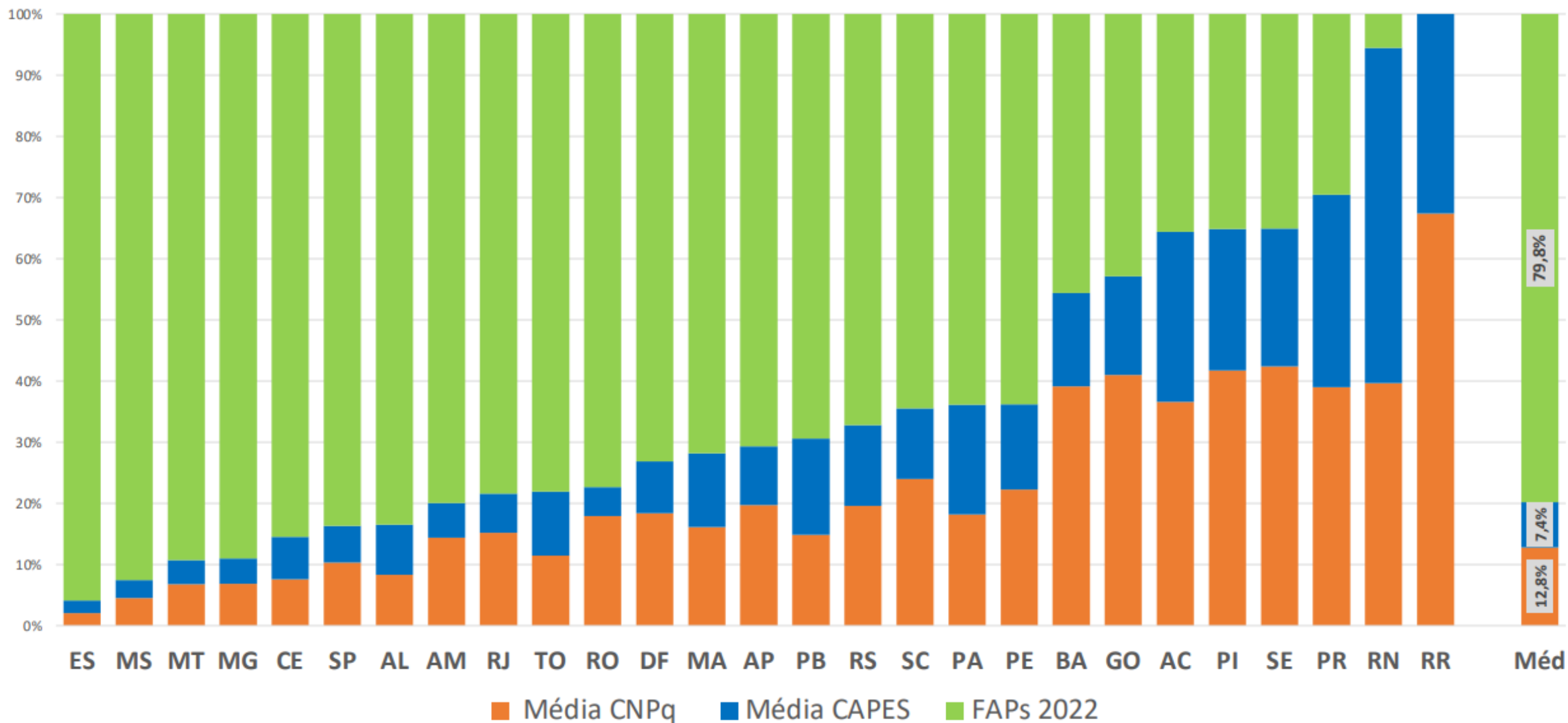


Milhões de R\$

## Investimento em Auxílio à Pesquisa pelas FAPs, CNPq e CAPES



## Percentual da contribuição de cada agência no Auxílio à Pesquisa



# Contribuição total de cada agência em cada UF

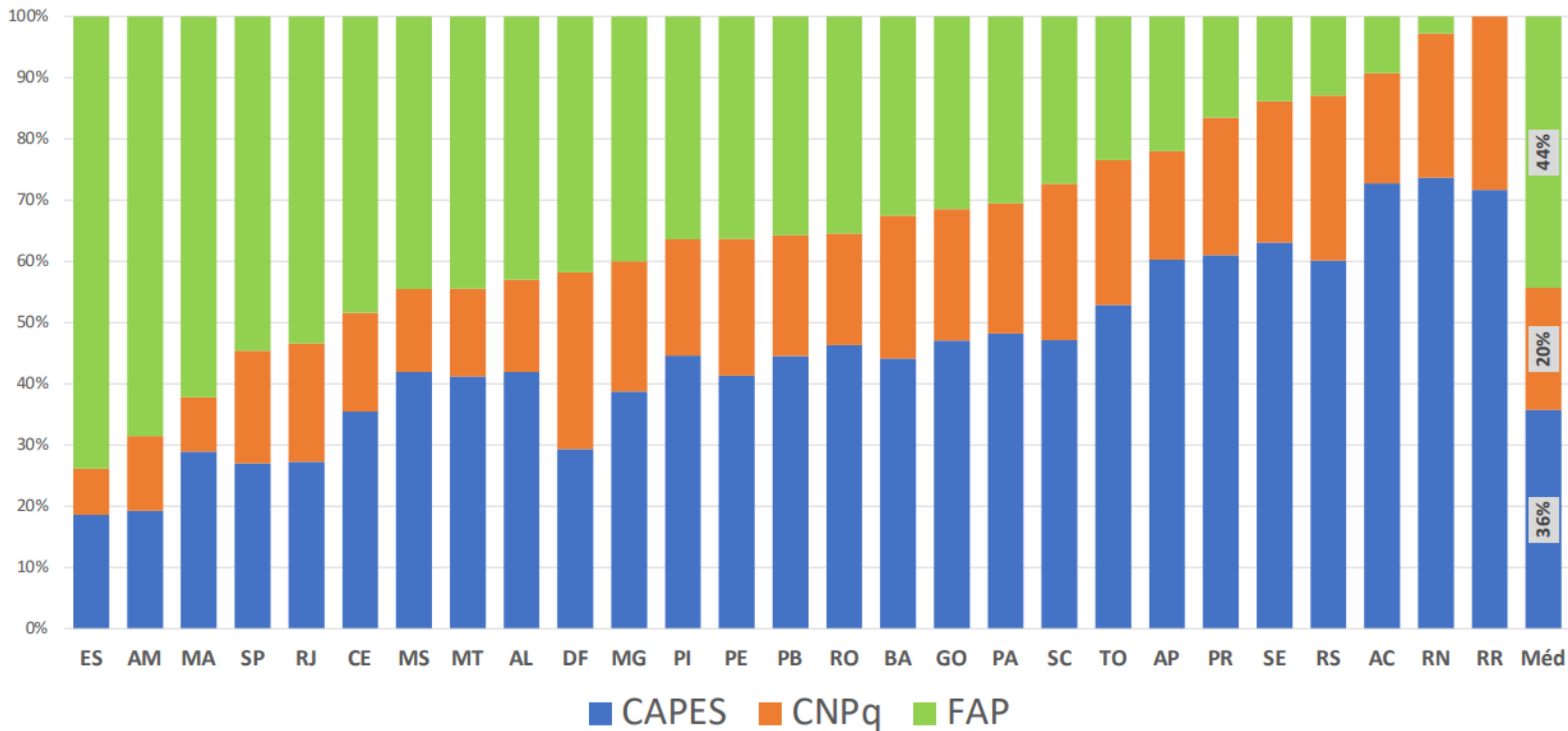




Gráfico 1 Dispendio nacional em ciência e tecnologia (C&T) (em valores de 2020) por atividade, 2000-2020

# de Lula a Bolsonaro

Veja quanto  
cada governo  
gastou em  
infraestrutura

Gráfico elaborado por  
**Emílio Chernavsky**  
com dados Abdid.

Investimentos  
em infraestrutura

R\$ bilhões constantes de 2020

reconta aí

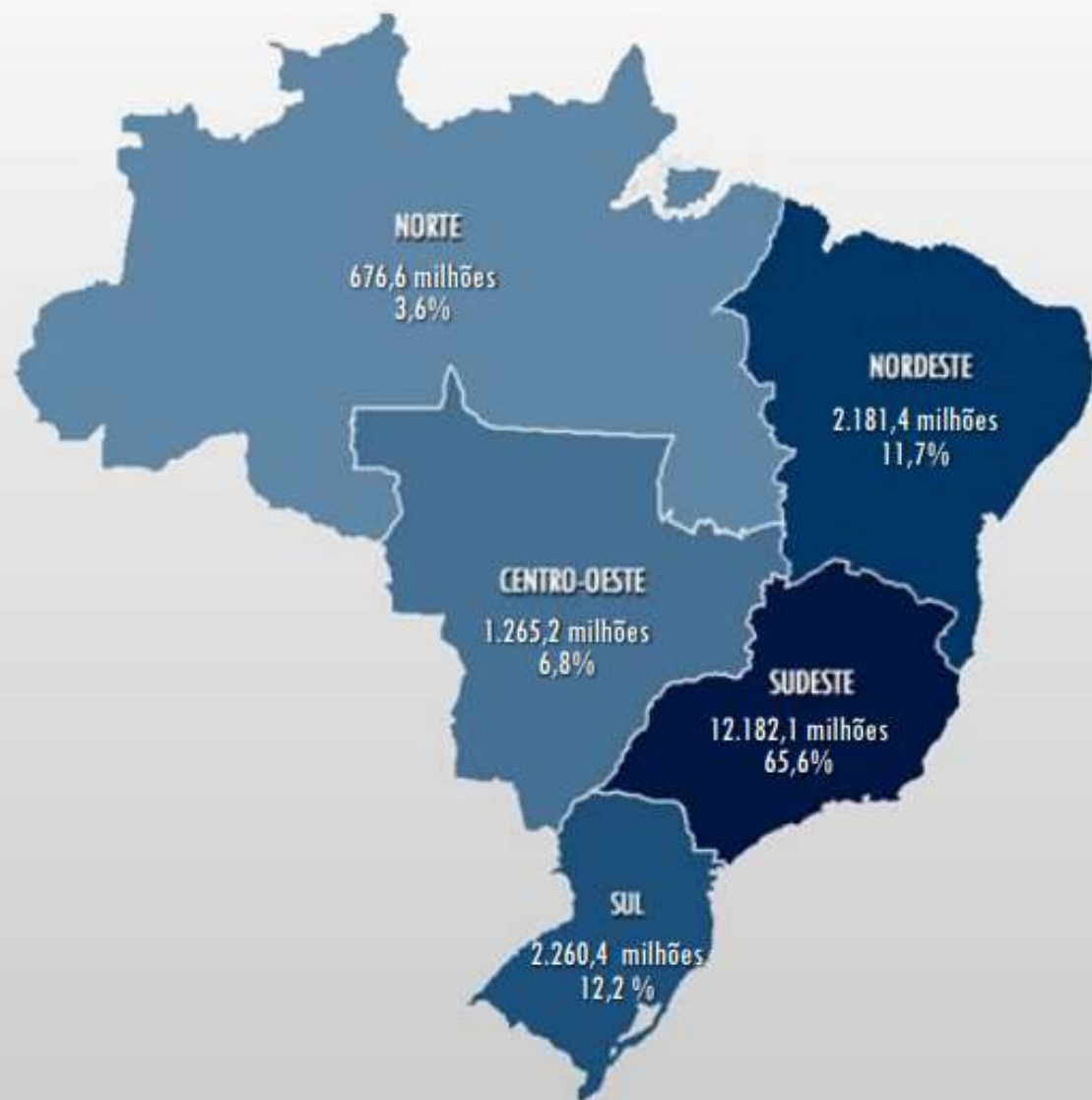


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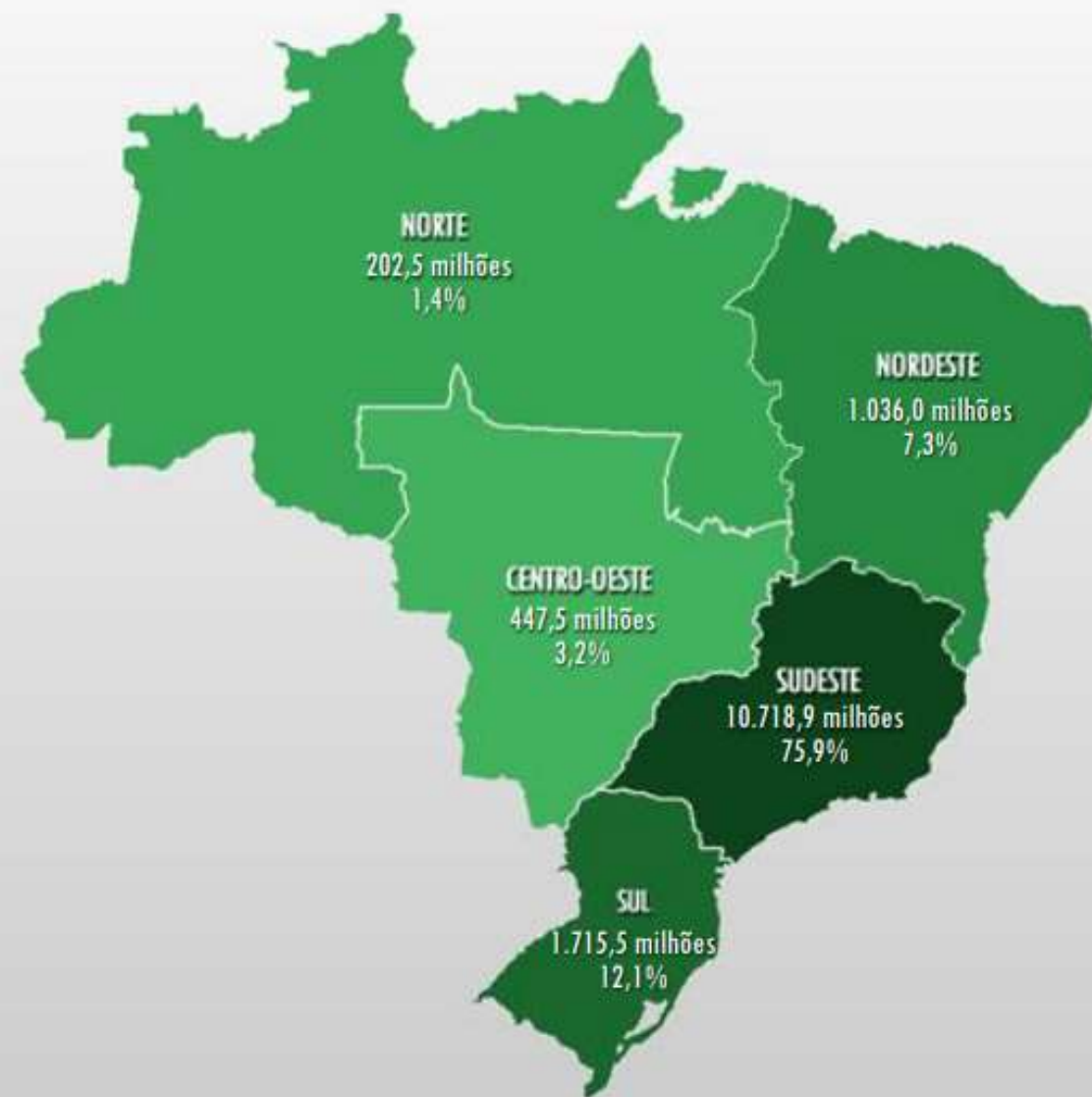


**Gráfico 12** Distribuição percentual dos dispêndios dos governos estaduais por região, 2020

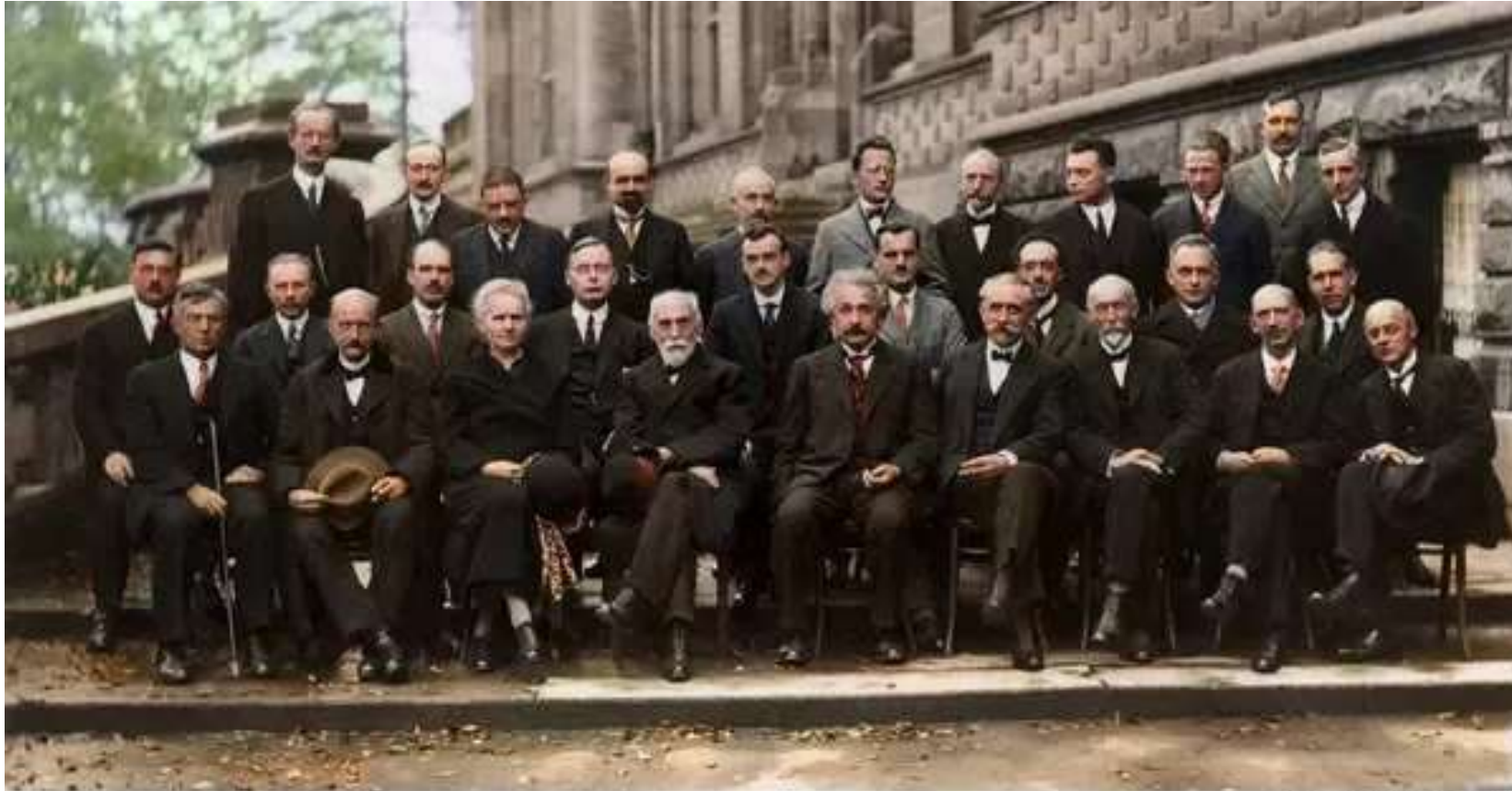
### Ciência e Tecnologia (C&T)



### Pesquisa e Desenvolvimento (P&D)



## Quanto Custa um Cientista Capixaba e seu orientador?



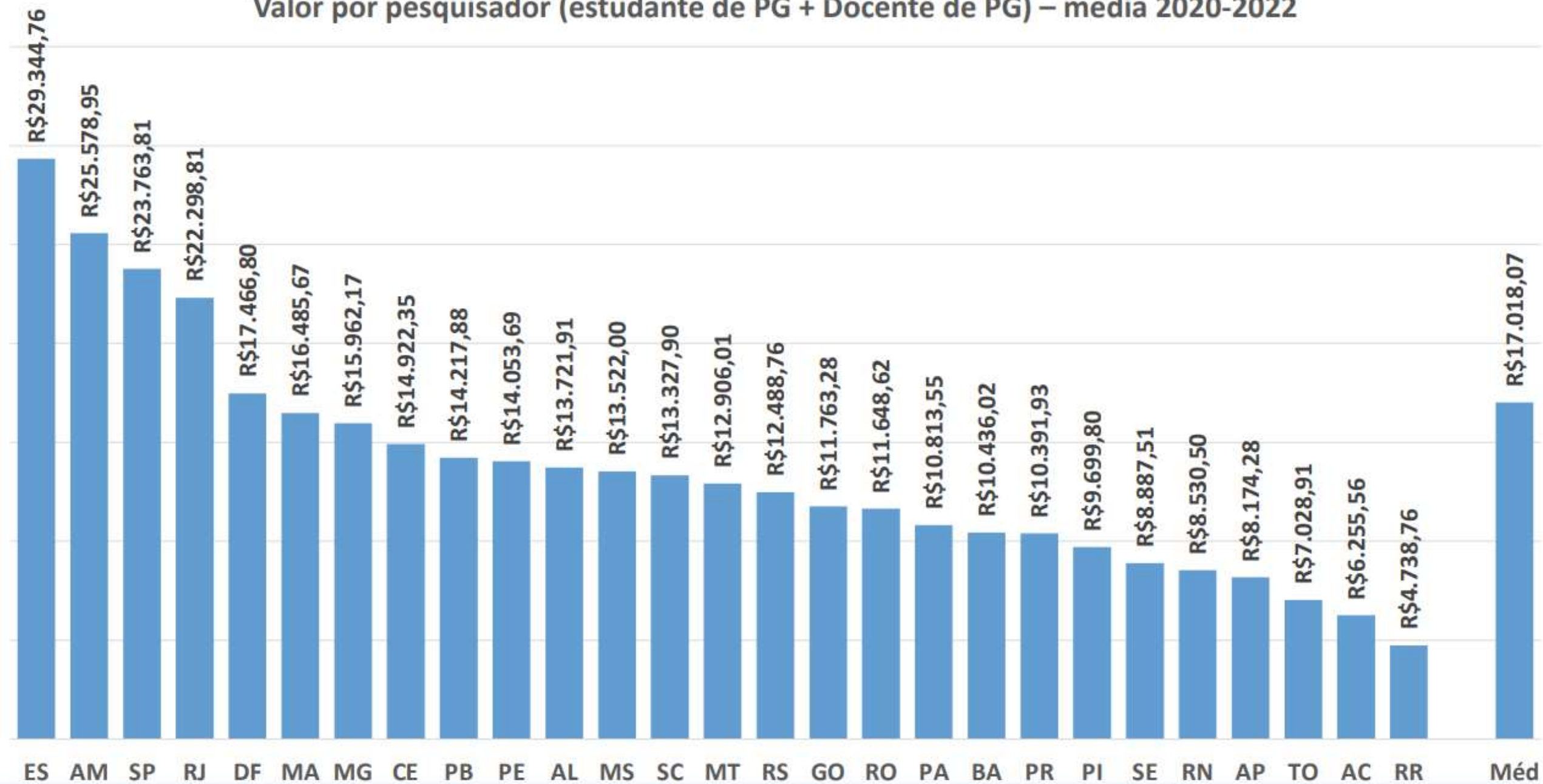
SOLVAY CONFERENCE 1927

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A. PICARD    E. HENRIOT    P. EHRENFEST    Ed. HERSEN    TH. DE DONDER    E. SCHRÖDINGER    E. VERSCHAFFELT    W. PAULI    W. HEISENBERG    R.H. FOWLER    L. BRILLOUIN  
P. DEBYE    M. KNUDSEN    W.L. BRAGG    H.A. KRAMERS    P.A.M. DIRAC    A.H. COMPTON    L. de BROGLIE    M. BORN    N. BOHR  
L. LANGMUIR    M. PLANCE    Mme CURIE    H.A. LORENTZ    A. EINSTEIN    P. LANGEVIN    Cr.É. GUYÉ    C.F.R. WILSON    O.W. RICHARDSON  
Absents : Sir W.H. BRAGG, H. DESLANDRES et E. VAN AUDEL



## Valor por pesquisador (estudante de PG + Docente de PG) – media 2020-2022



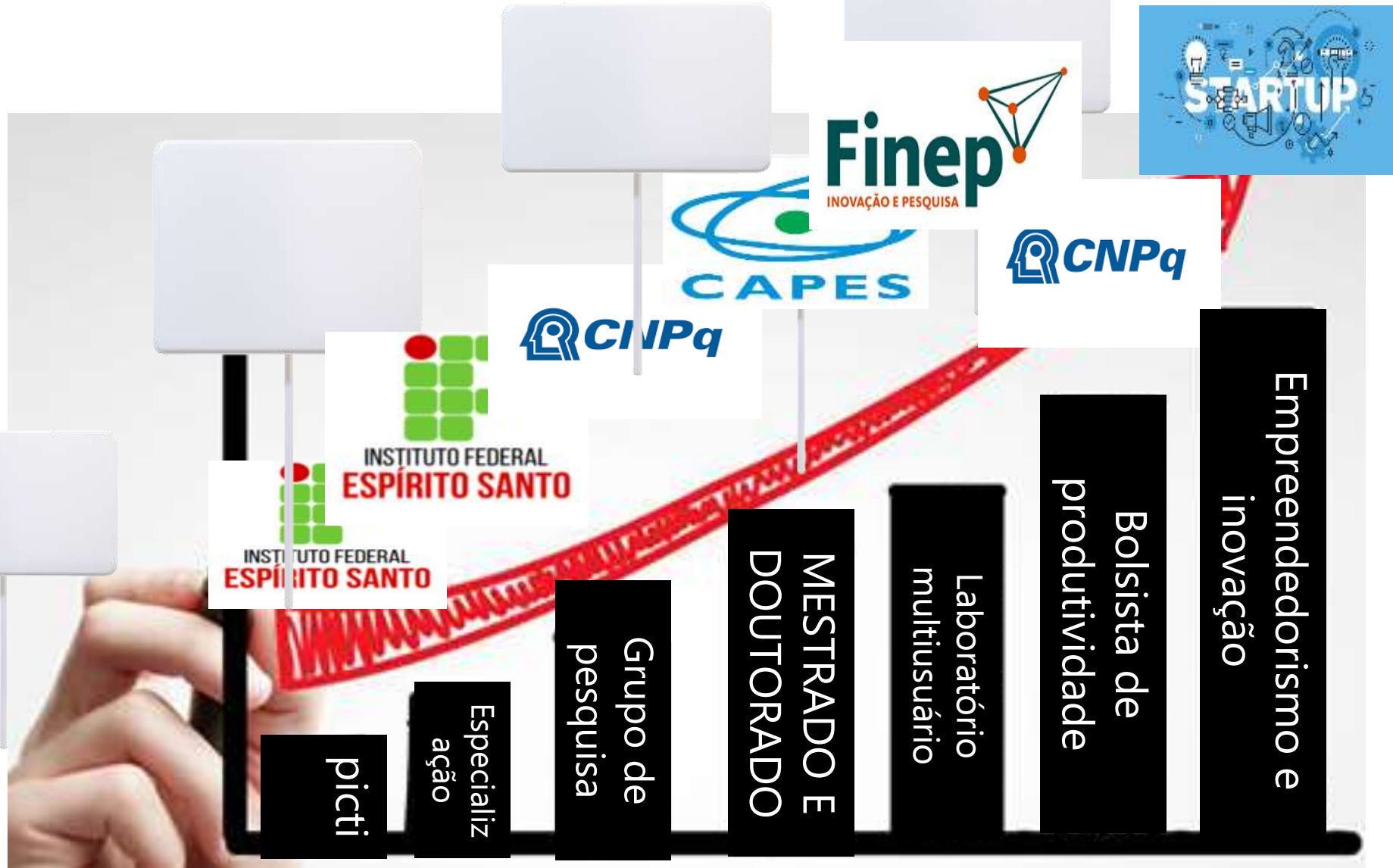
# Why is **Science Writing** Important?



# 1 – É aonde tudo começa para um aluno em iniciação científica



# 1 – crescimento profissional do discente (carreira)





## 2 – Ter um Curriculum lattes



### *Publicação*

- 240 artigos
- 3 livros
- 8 capítulos de livro
- 10 depósitos de patente



### *Representações*

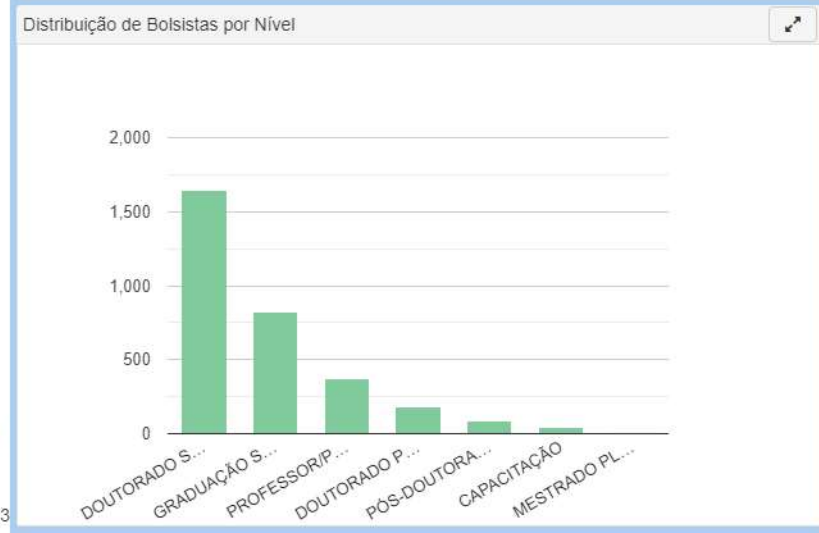
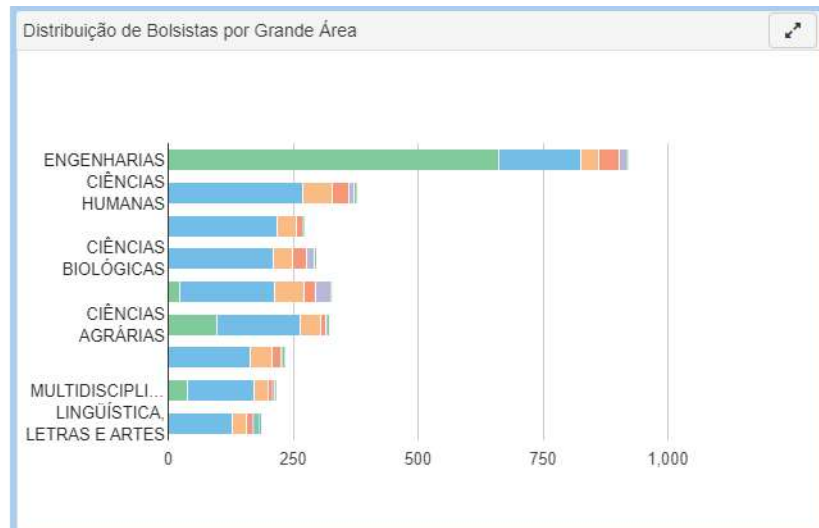
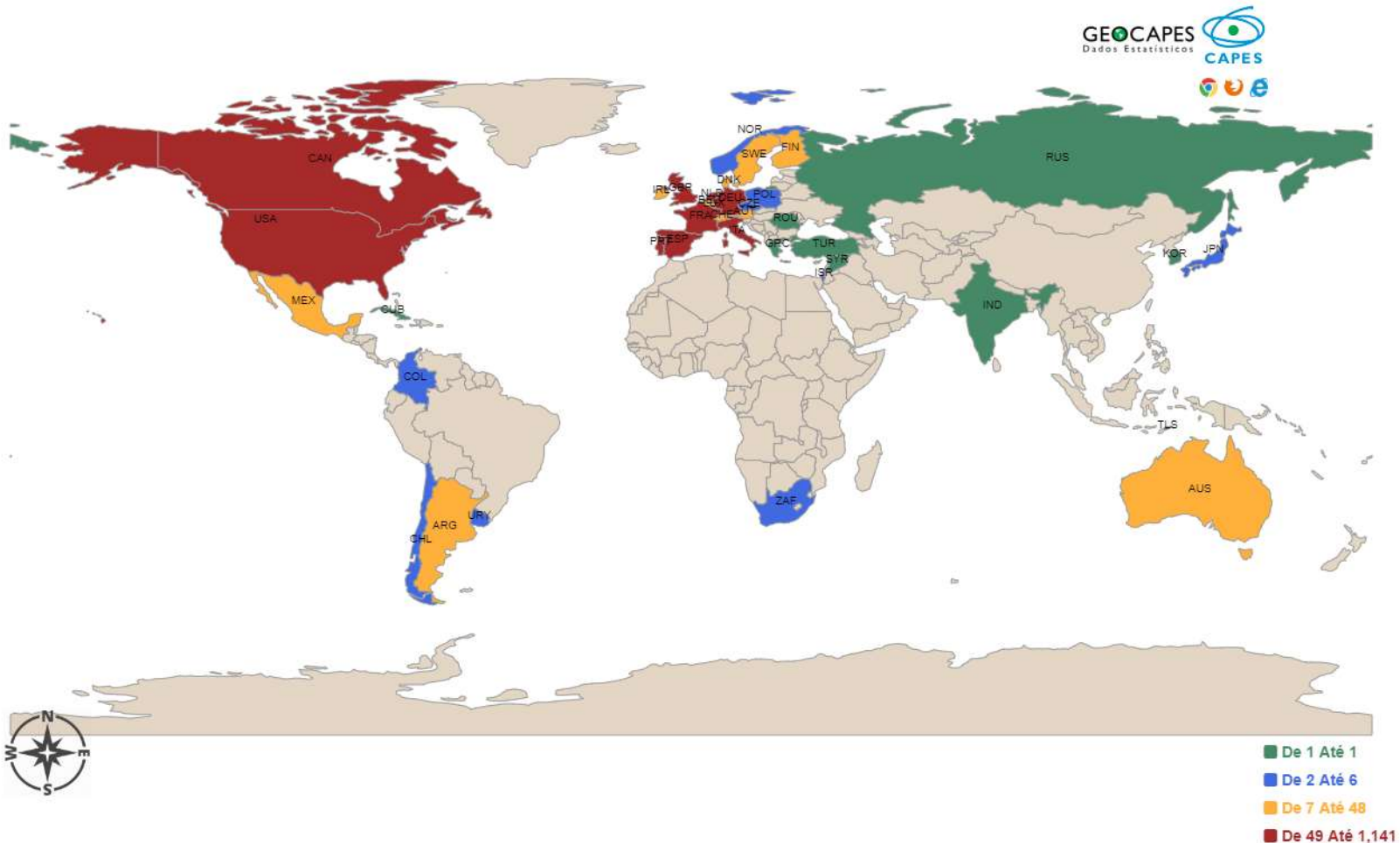
- Membro da ABC
- PQ 1D do CNPq
- Revisor de dezenas de periódicos
- Diretor de Pesquisa – IFES



### *Orientações – Co-orientações*

- 27 mestres
- 18 doutores
- 6 pós-doutores

# 3) Internacionalização



## 3) Internacionalização



Foto tirada do lab. Do prof. José Almirall [www.ifri.fiu.edu](http://www.ifri.fiu.edu)



# 4) Patentes!

Fernando Galembeck (IQ-Unicamp)

277 artigos  
32 patentes

Gráfico 50 **Patentes** concedidas pelo Instituto Nacional da Propriedade Industrial (INPI), segundo tipos de **patentes**, 2000-2021

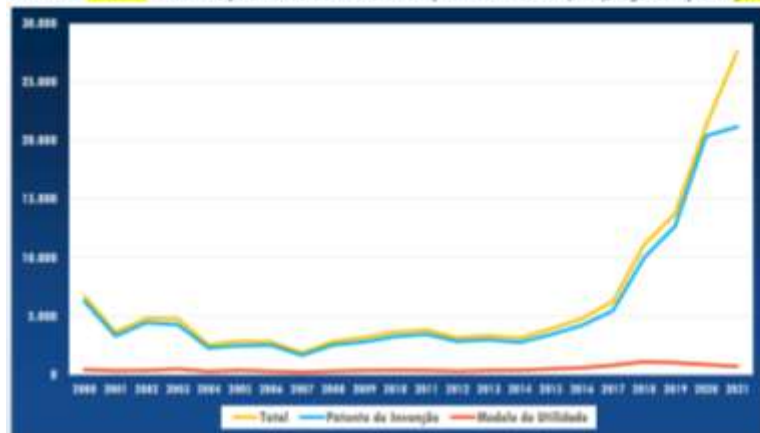
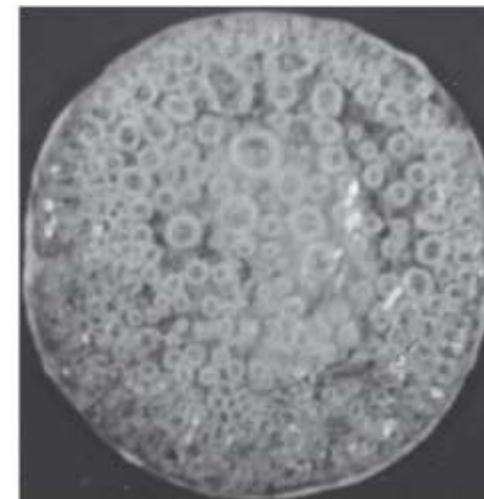
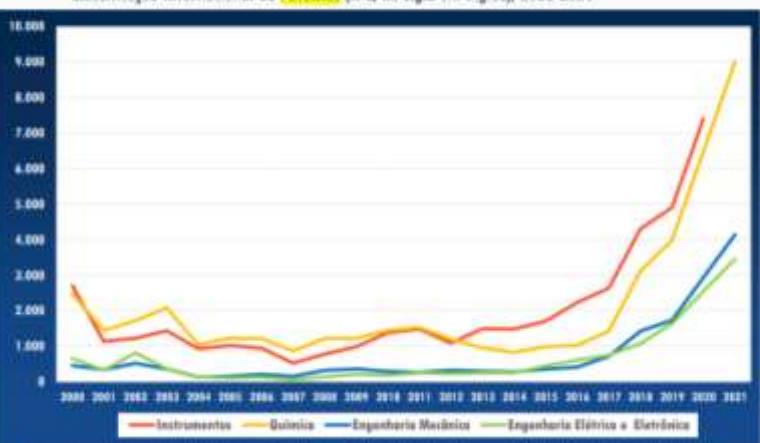


Gráfico 52 **Patentes** concedidas pelo Instituto Nacional da Propriedade Industrial (INPI), por setor tecnológico de acordo com a Classificação Internacional de **Patentes** (IPC, na sigla em inglês), 2000-2021



**Figura 1.** Formação de bolhas no interior do gel de polifosfato de alumínio, seco à temperatura ambiente sobre pentóxido de fósforo por 10 dias. Diâmetro do gel: 5 cm

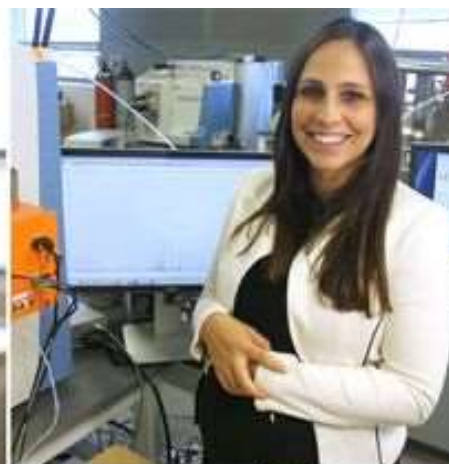
**GALEMBECK, F.;** LIMA, E. C. O. . Processo de obtenção de pigmentos brancos (PI: 9104581-9). 1991, Brasil. Patente: Privilégio de Inovação. Número do registro: PI9104581-9, título: "Processo de obtenção de pigmentos brancos (PI: 9104581-9)" . Depósito: 23/10/1991





# 5) Startup

Livia S. Eberlin (University of Texas - Pen MS)



**C&EN** PERSONALIZED MEDICINE  
 CHEMICAL & ENGINEERING NEWS

**LOW-COST SOLAR POWER**  
 Perovskites boost efficiency

**NOBEL LAUREATE SIGNATURE AWARD FOR GRADUATE EDUCATION IN CHEMISTRY**

*Sponsored by Avantor Performance Materials*

**Livia S. Eberlin** met her Ph.D. adviser, mass spectrometry heavyweight **R. Graham Cooks**, for the first time when she was four years old.

She might not remember the encounter, but Cooks does. "She was a nice little girl," he recalls.

At the time, Eberlin was visiting the U.S. from Brazil while her father, Marcos, carried out a postdoctoral fellowship in Cooks's lab at Purdue University. Little did she know that she would return to the lab as an adult, becoming the second member of the Eberlin family to conduct groundbreaking research with Cooks.

Once they began working together years later, Cooks, 72, and Eberlin, 48, demonstrated that a mass spectrometer could be used by doctors to image the boundaries of tumors during surgery, work that has garnered the pair this year's award.

"As far as I can tell, Livia is the first person to actually set up an imaging mass spectrometer in a hospital operating room," says Nicholas Winograd, a mass spec expert and chemist at Pennsylvania State University. "This transition has been the holy grail for the imaging mass spectrometry community, so its significance cannot be overemphasized."

When Eberlin joined Cooks's lab as a graduate student in 2008, Cooks and his group had already developed desorption electrospray ionization (DESI), a technique that samples the molecular makeup of a substance, not under vacuum—as traditional methods have done—but in the open air. In DESI, a material is sprayed with charged solvent droplets. After the droplets splash off the sample surface, picking up molecular cargo in the process, they enter a mass spectrometer for analysis.

For Cooks, DESI's potential as an imaging tool was obvious from the get-go: Moving the spray nozzle across a sample and analyzing molecular signatures at each spot would build a picture of the sample's entire composition. As soon as Eberlin joined Cooks's group, she began a project to make DESI imaging work with human tissue.

Eberlin and Cooks have since observed differences in the mass spec signatures of cancerous and noncancerous tissue. "Once we saw the differences, it was so obvious that metabolites and lipids play a huge role in displaying the disease state of tissue," Eberlin says. In collaboration with physicians at Indiana University,

it's really hard to see where the cancer starts and where it ends," Eberlin says. A chemical technique like DESI that can tell doctors in real time whether they've removed all of a tumor is a game changer, she adds.

"Livia is smart, ambitious, and hard-working," Cooks says, noting that the apple hasn't fallen far from the tree. Her father is a leading mass spec expert in Brazil and is currently the president of the International Mass Spectrometry Foundation. "I kid them both that he was exceptional but that his daughter is something else altogether," Cooks laughs.

Cooks earned a B.S. from what is now the University of KwaZulu-Natal, in South Africa, in 1961 and a Ph.D. in chemistry from Cambridge University in 1967. He's been at Purdue for more than 40 years and is now the Henry Bohn Hass Distinguished Professor of Chemistry.

Eberlin received a B.S. in 2007 from the State University of Campinas, in Brazil, before joining Cooks at Purdue. After earning a Ph.D. in 2012—with some 30 peer-reviewed papers under her belt—Eberlin moved to Stanford University, where she is currently a postdoctoral fellow with chemist Richard N. Zare.

Eberlin and Cooks will present the award address before the Division of Analytical Chemistry. —LAUREN WOLF

**Eberlin** **Cooks**

School of Medicine and Harvard Medical School, Cooks's group has applied DESI imaging to prostate, bladder, and brain cancers. The researchers have shown that the technique not only helps guide surgery by analyzing excised tissue but also identifies tumor types (Proc. Natl. Acad. Sci. USA 2013, DOI: 10.1073/pnas.1219687110).

DEB ACCLDRE 43 FEBRUARY 24, 2014

LS Eberlin *et al.* Cholesterol sulfate imaging in human prostate cancer tissue by desorption electrospray ionization mass spectrometry. Analytical chemistry 82 (9), 3430-3434, 2010.

# O que é uma artigo científico?

- Segundo a ABNT (NBR 6022, 2003, p.2), o **artigo científico** pode ser definido como a “**publicação com autoria declarada, que apresenta e discute ideias, métodos, técnicas, processos e resultados nas diversas áreas do conhecimento**”.
- O artigo científico, como o próprio nome já nos revela, caracteriza-se por um texto científico cuja função é relatar os resultados, sendo esses calcados de originalidade, provenientes de uma dada pesquisa.

*“Publicar um artigo Científico deve ser encarado como a realização de uma obra prima, isto é, um estado da arte. Um produto que ficará para a história”*





# Escrever Artigos como Arte







## Frase de alguns Grandes Pesquisadores:

“Se você não souber escrever um bom português, você jamais saberá escrever um inglês técnico”

**Marco-Aurelio De Paoli (Unicamp-SP)**

“Ciência é um pouquinho de resultado e muita política”

**Marcos N. Eberlin (Unicamp-SP)**



“Infelizmente, eu preciso dizer: se traduzirmos para o inglês todos os trabalhos [científicos] publicados em português no Brasil e mandarmos ao exterior, vamos passar vergonha”

**Gilson L Volpato (Universidade Estadual Paulista Júlio de Mesquita Filho, SP)**

## Frase de pessoas que convivem e conviveram comigo, que sou um humilde pesquisador..



**Eloilson Domingos (minha esposa)**

“A grande máquina de artigos: você e o seu computador !”



**Larissa C. Motta**

“Eu tirei uma pessoa no amigo X que fica o tempo todo sozinho e escrevendo. Ele é solitário!”



**Anônimo**

“Você tira o resultado, o espectro, a medida, muito fácil e imprime o paper rapidinho! É simples! Seu equipamento faz tudo!”

“Larga esse computador e vai fazer arroz e lavar a louça !”



**Izabela Feres Oliveira  
(minha esposa)**

# O que é um artigo Científico

- ❑ Ele, pode ser materializado sob a forma de um relato **acerca dos resultados originais de um estudo realizado**. Torna-se publicamente conhecido por meio de revistas científicas, as quais possuem uma seção destinada a esse fim;



O que é um Artigo Científico? “É parte de uma publicação com autoria declarada, que apresenta e discute ideias, métodos, técnicas, processos e resultados nas diversas áreas do conhecimento.” (NBR 6022)



REVISÃO DE LITERATURA

ESTUDO DE CASO

APLICAÇÃO DE UM  
MODELO

ESTUDO COMPARADO

ESTUDO DOCUMENTAL

## 9 PERGUNTAS DE UM ARTIGO CIENTÍFICO

e suas respectivas seções

RESUMO

O que eu fiz em poucas palavras?

INTRODUÇÃO

Qual é o problema de pesquisa?

REVISÃO DE  
LITERATURA

O que já foi falado sobre isso?

METODOLOGIA

Como resolvi o problema?

RESULTADOS

O que descobri?

DISCUSSÃO

O que isso significa?

AGRADECIMENTOS

Quem me ajudou?

REFERÊNCIAS

A que fontes eu me referi?

ANEXOS

Tenho informações extras?

# Revisão da literatura

- 1) ARAUJO DOS SANTOS, NAYARA ; **Romão, Wanderson** . Cannabis - a state of the art about the millenary plant: Part I. **FORENSIC CHEMISTRY**, v. 32, p. 100470, 2023.
- 2) ARAUJO DOS SANTOS, NAYARA ; KERPEL DOS SANTOS, MAÍRA ; ALMIRALL, JOSE ; **Romão, Wanderson** . Cannabinomics studies - A review from colorimetric tests to modern analytical techniques: Part II. **FORENSIC CHEMISTRY**, v. 1, p. 100477, 2023.
- 3) MADEIRA, N. C. L. ; Jr, Valdemar Lacerda ; **Romão, W.** . Characterization of Asphalt Aging by Analytical Techniques: A Review on Progress and Perspectives. **ENERGY & FUELS**, v. 36, p. 5531-5549, 2022.
- 4) BARROS, ELIANE V. ; FILGUEIRAS, PAULO R. ; LACERDA, VALDEMAR ; RODGERS, RYAN P. ; **Romão, Wanderson** . Characterization of naphthenic acids in crude oil samples - A literature review. **FUEL**, v. 319, p. 123775, 2022.
- 5) MORO, MARIANA K. ; DOS SANTOS, FRANCINE D. ; FOLLI, GABRIELY S. ; **Romão, Wanderson** ; FILGUEIRAS, PAULO R. . A review of chemometrics models to predict crude oil properties from nuclear magnetic resonance and infrared spectroscopy. **FUEL**, v. 303, p. 121283, 2021.
- 6) FERREIRA, JULIANA BARRETO ; de Jesus Macrino, Clebson ; DINALI, LAÍSE APARECIDA FONSECA ; Filho, João Francisco Allochio ; SILVA, CAMILLA FONSECA ; BORGES, KEYLLER BASTOS ; **Romão, Wanderson** . Molecularly imprinted polymers as a selective sorbent for forensic applications in biological samples-a review. **ANALYTICAL AND BIOANALYTICAL CHEMISTRY**, v. 413, p. 6013-6036, 2021.
- 7) SILVA, LIDYA C ; PEREIRA, IGOR ; CARVALHO, THAYS C ; ALLOCHIO FILHO, JOÃO FRANCISCO ; Romão, Wanderson ; GONTIJO VAZ, BONIEK . Paper spray ionization and portable mass spectrometers: a review. **Analytical Methods**, v. 11, p. 999-1013, 2019.

## Molecularly imprinted polymers as a selective sorbent for forensic applications in biological samples—a review

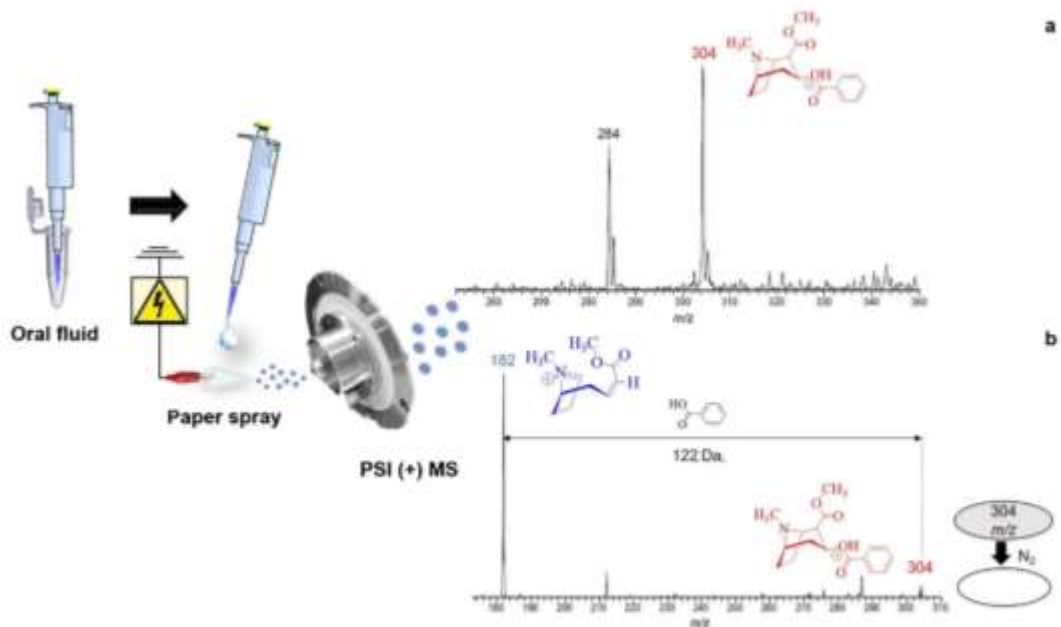


Fig. 5 Representative scheme of the methodology used. (a) MIP-PS (+) mass spectrum of COC in oral fluid, (b) MIP-PS (+) MS/MS spectrum of COC in oral fluid reproduced with permission of Ludmyla S. Tavares, Thays C. Carvalho, Wanderson Romão, Boniek G. Vaz, Andréa R.

Chaves, Paper spray tandem mass spectrometry based on molecularly imprinted polymer substrate for cocaine analysis in oral fluid, *J Am. Soc. Mass Spectrom.* (2017) [80]

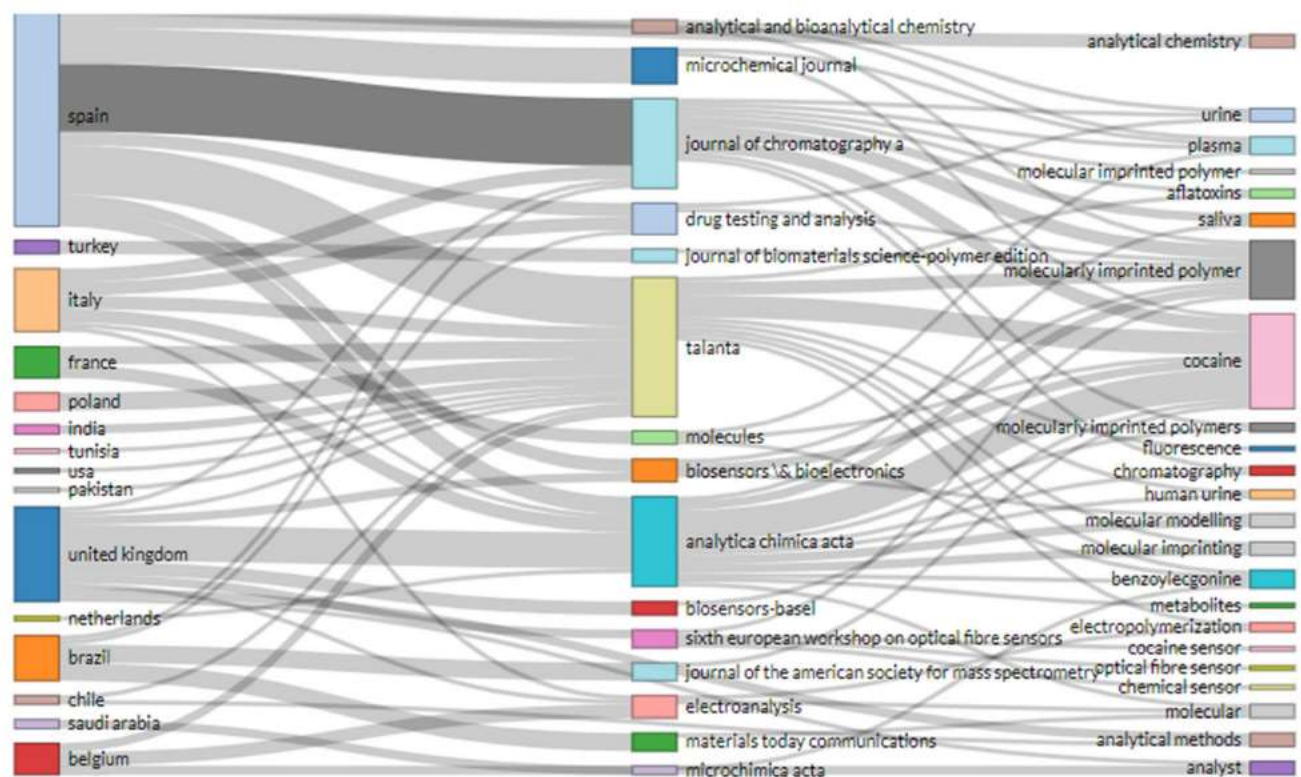
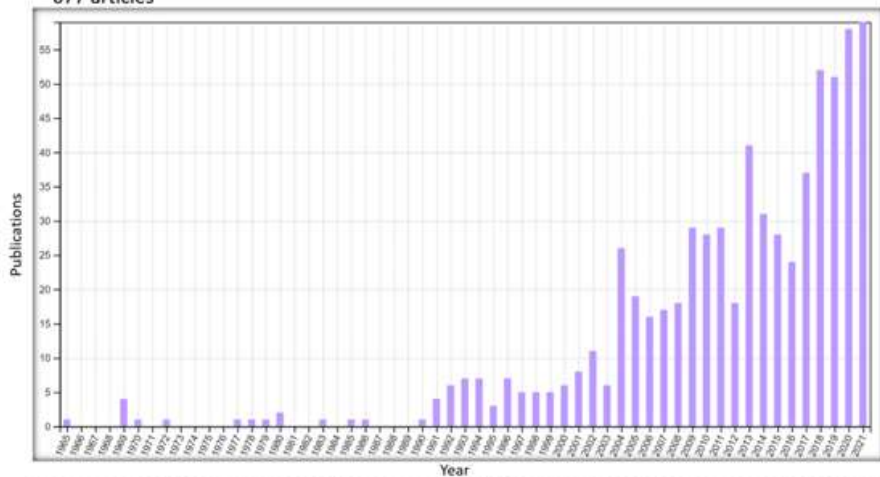


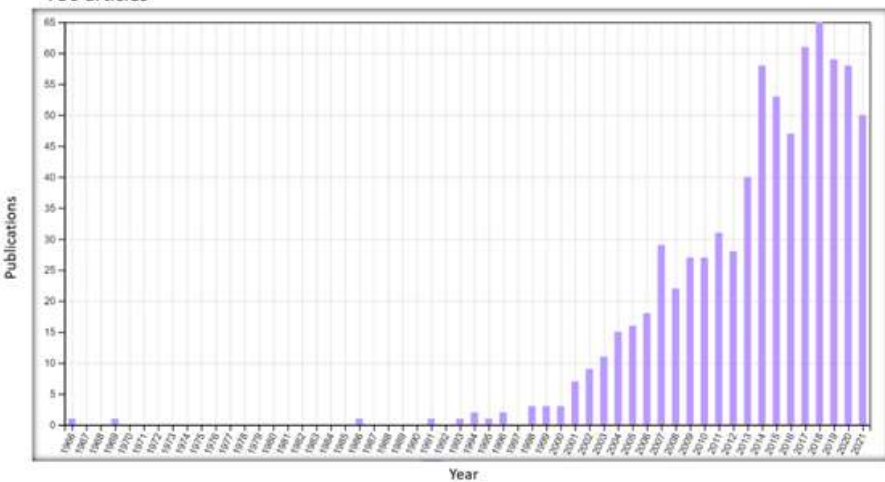
Fig. 3 Main relationships between abstract, keywords, and countries of articles that address MIP and COC analysis. Graphic formulated by the platform Biblioshiny for Bibliometrix [48]



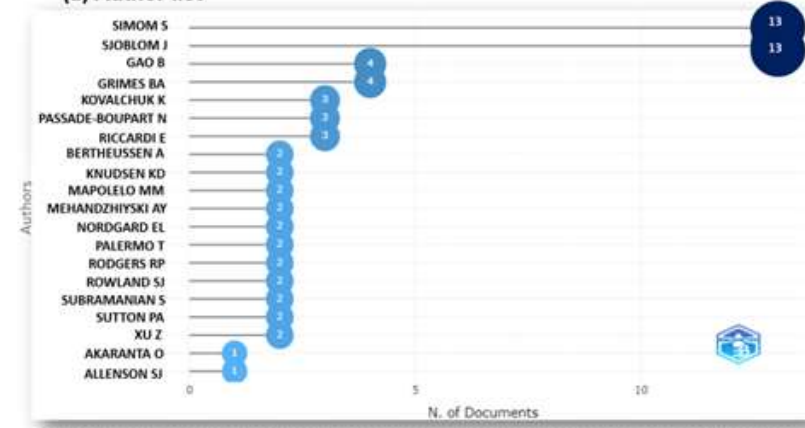
(a) Publications per year using the term ("Carboxylic acids" or "Carboxylic acid") and ("petroleum" or "crude")  
677 articles



(b) Publications per year using the term ("Naphthenic acids" or "Naphthenic acids") and ("petroleum" or "crude oil")  
750 articles



(a) Author list



(b) Collaboration network

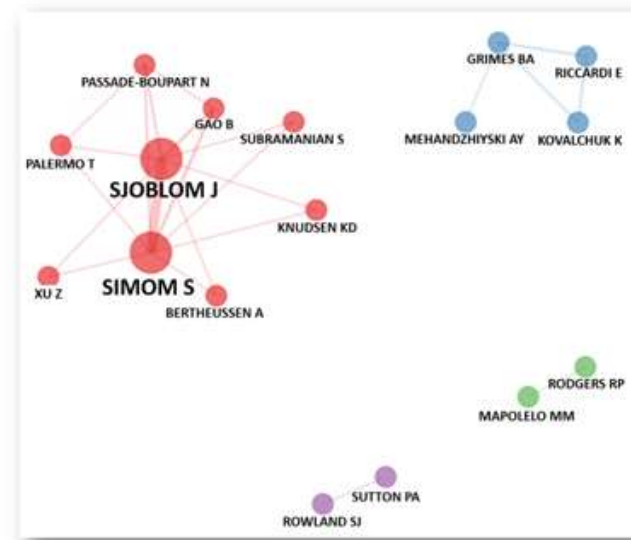


Fig. 5. Bibliometric analysis - year using the terms "tetrameric" or "tetraacids" or "ARN" and "naphthenate" or "naphthenates" in the Web of Science database search between 2011 and 2021. Source: Web of Science. Accessed on February 13, 2022, with documents of the "article" type: (a) Author list and (b) Collaboration network.

Cannabinomics studies - A review from colorimetric tests to modern analytical techniques: Part II. FORENSIC CHEMISTRY, v. 1, p. 100477, 2023.

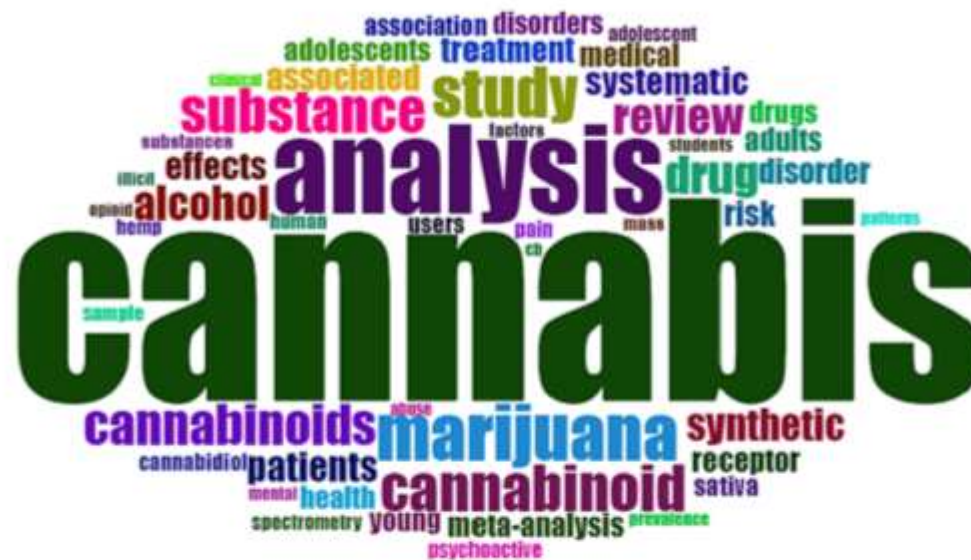
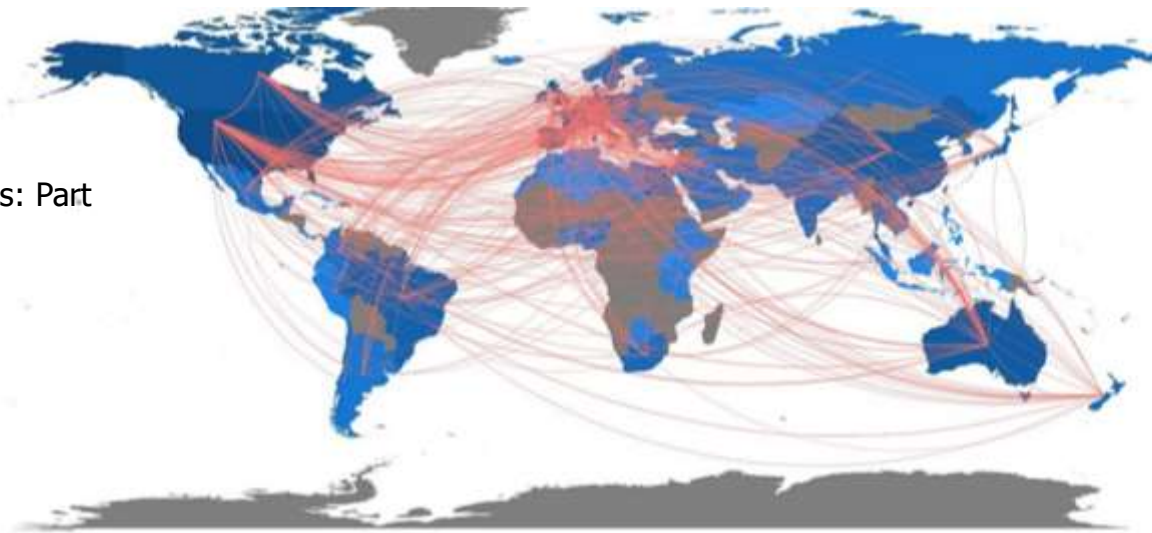
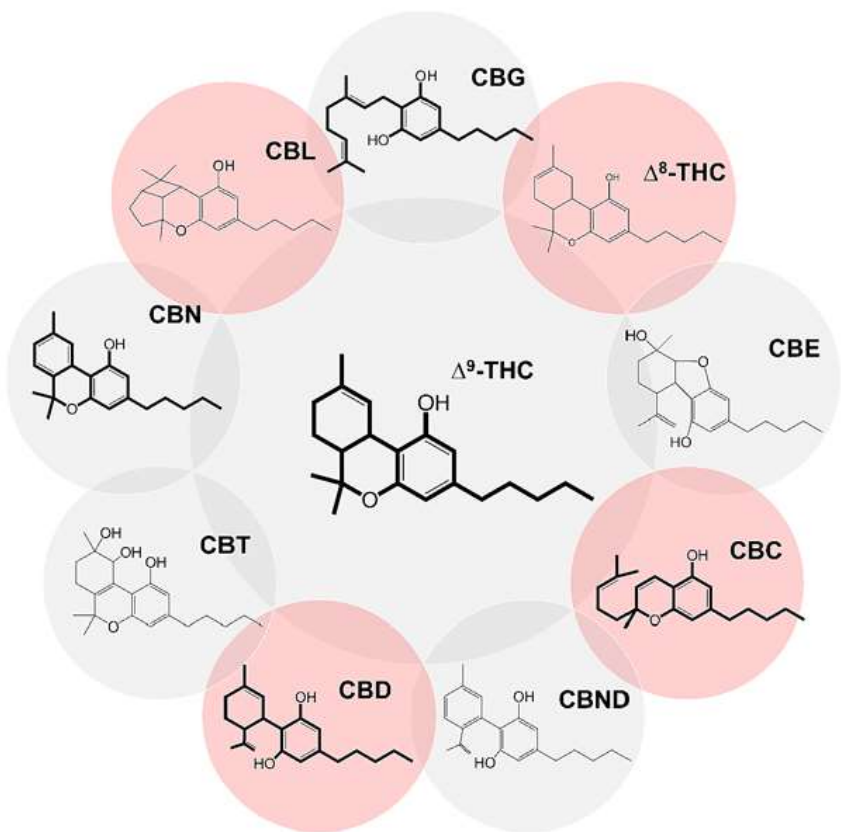


Fig. 2. Word cloud with the 50 most cited words in publications related to the analysis of Cannabis or cannabinoids in the last five years. The data was acquired from the Web of Science database search (Clarivate Analytics, Philadelphia, PA, USA) using "Cannabis or cannabinoids and analysis", considering the title, abstract, and keywords.

# Estudo de caso



Quim. Nova, Vol. XY, No. 00, 1-10, 200\_

<http://dx.doi.org/10.21577/0100-4042.20170550>

## DETERMINAÇÃO DA AUTENTICIDADE DE AMOSTRAS DE AZEITE COMERCIAIS APREENDIDAS NO ESTADO DO ESPÍRITO SANTO USANDO UM ESPECTROFOTÔMETRO PORTÁTIL NA REGIÃO DO NIR

Priscilla C. Santos<sup>a</sup>, Flavia Tosato<sup>b</sup>, Mirelly Cesconetto<sup>a</sup>, Thayná Corrêa<sup>a</sup>, Francine D. Santos<sup>b</sup>, Valdemar Lacerda Jr.<sup>c</sup>, André A. Pires<sup>a</sup>, Araceli V. F. N. Ribeiro<sup>a</sup>, Paulo R. Filgueiras<sup>b,c</sup> e Wanderson Romão<sup>b,c,\*</sup>

<sup>a</sup>Instituto Federal do Espírito Santo, 29106-010 Vila Velha – ES, Brasil

<sup>b</sup>Departamento de Química, Universidade Federal do Espírito Santo, 29075-910 Vitória – ES, Brasil

<sup>c</sup>Instituto Nacional de Ciência e Tecnologia Forense (INCT), Vitória – ES, Brasil

Recebido em 02/02/2020; aceito em 06/04/2020; publicado na web em 20/05/2020

Microchemical Journal 159 (2020) 105544

Contents lists available at ScienceDirect

Microchemical Journal

Journal homepage: [www.elsevier.com/locate/microc](http://www.elsevier.com/locate/microc)

## Quantification and classification of vegetable oils in extra virgin olive oil samples using a portable near-infrared spectrometer associated with chemometrics

Flavia T. Borghi<sup>a</sup>, Priscilla C. Santos<sup>b</sup>, Francine D. Santos<sup>a</sup>, Márcia H.C. Nascimento<sup>a</sup>, Thayná Corrêa<sup>b</sup>, Mirelly Cesconetto<sup>b</sup>, André A. Pires<sup>b</sup>, Araceli V.F.N. Ribeiro<sup>b</sup>, Valdemar Lacerda Jr.<sup>c</sup>, Wanderson Romão<sup>b,c,\*</sup>, Paulo R. Filgueiras<sup>b,c</sup>

<sup>a</sup> Chemistry Department, Federal University of Espírito Santo, Zip Code: 29075-910 Vitória, ES, Brazil

<sup>b</sup> Federal Institute of Education Science and Technology of Espírito Santo, Zip Code: 29106-010, Vila Velha, ES, Brazil

<sup>c</sup> Instituto Nacional de Ciência e Tecnologia Forense (INCT), Brazil

ESPÍRITO SANTO 

## Polícia Civil apreende 1.300 frascos de azeite adulterado no ES

Operação aconteceu na tarde dessa terça-feira (2). Fraude no produto foi comprovada após análise laboratorial.



Priscilla Costa Santos  
Química Industrial –  
IFES Vila Velha

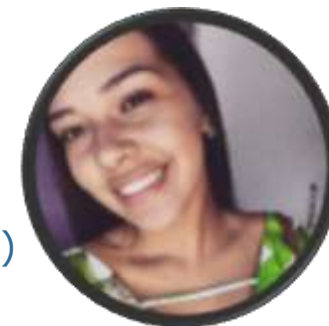




Foto 14 – Armazenamento, em álcool 70%, das larvas cadavéricas coletadas.

## Estudo de caso

Thayná da Silva Machado Corrêa  
Química Industrial (IFES Vil Velha)



### JOURNAL OF FORENSIC SCIENCES



Case Report

## Detection of Pb, Ba, and Sb in Cadaveric Maggots and Pupae by ICP-MS\*

Rayana A. Costa M.Sc., Nayara A. dos Santos M.Sc., Thayná S. M. Corrêa B.Sc., Nathália L. P. Wyatt B.Sc., Carlos A. Chamoun Ph.D., Maria T. W. D. Carneiro Ph.D., Wanderson Romão Ph.D. ✉

First published: 10 August 2020 | <https://doi.org/10.1111/1556-4029.14526>

Funding provided by the Conselho Nacional de Desenvolvimento Científico e Tecnológico-CNPq (422555/2018-5, and 305359/2017-7).

[Correction added 11 August 2020. The Highlights section was removed.]

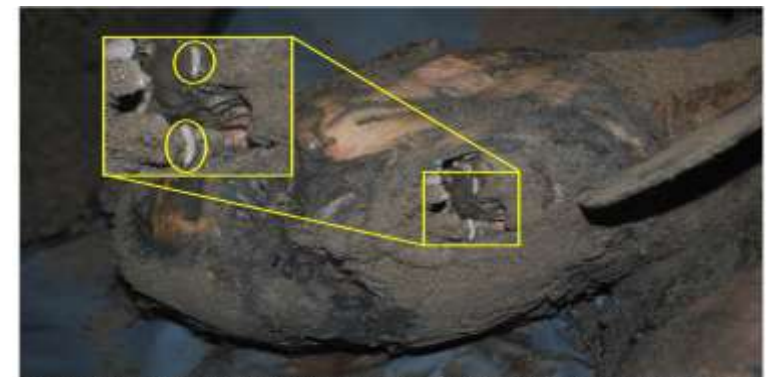
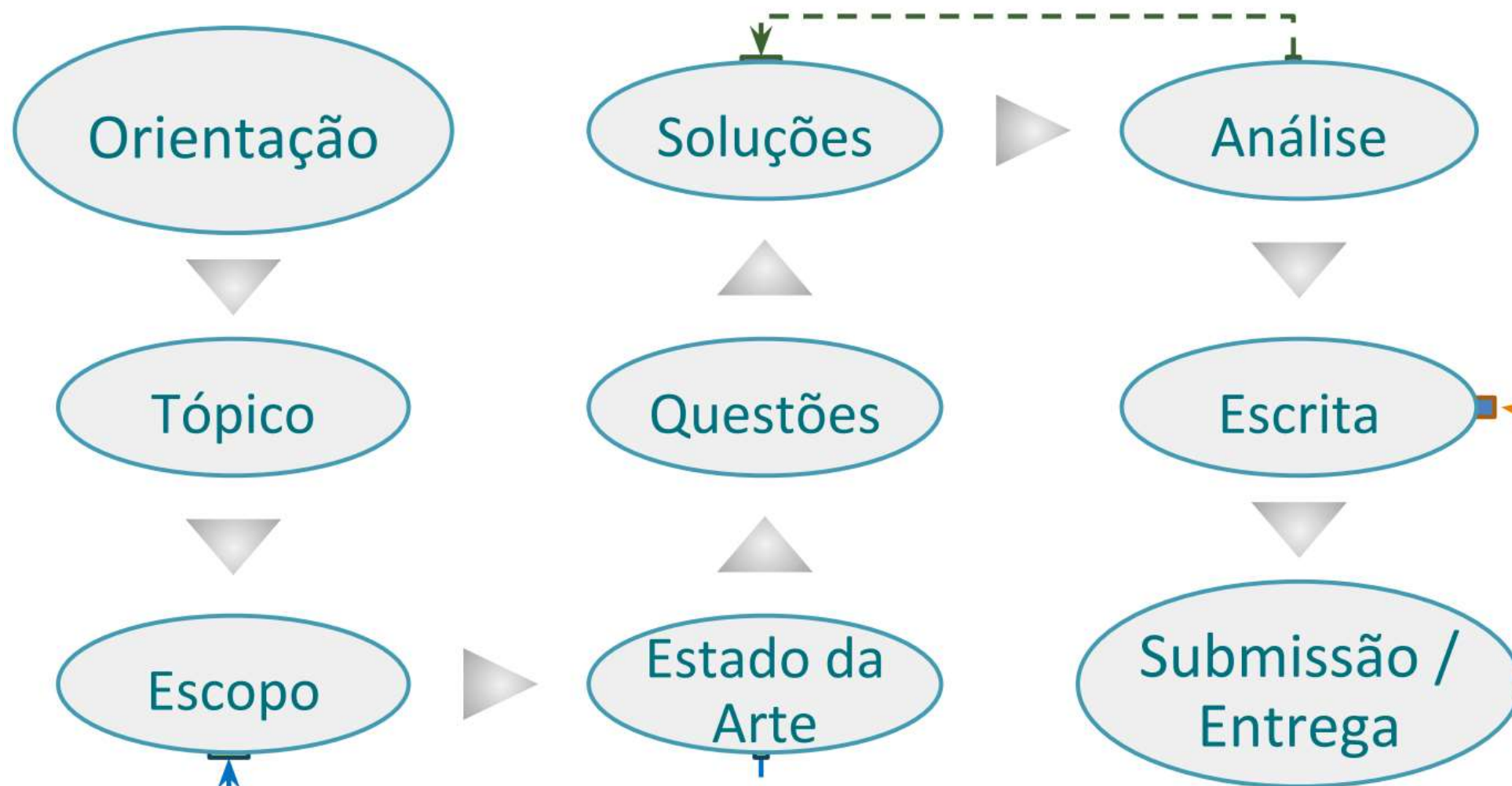


Foto 12 – Coleta de larvas cadavéricas na cavidade oral (boca) da vítima. Duas delas estão mostradas em detalhe.

# Planejamento do manuscrito







# As Complexidades da Tarefa

- Como tornar um **interesse vago** em um problema **merecedor de apresentação** e solução
- Como construir um **argumento** que motiva leitores a **aceitar** o que você diz
- Como antecipar **dúvidas** de atentos mas **críticos** leitores e como respondê-las apropriadamente
- Como criar uma **introdução e conclusão** que respondam à pergunta mais difícil delas, **E eu com isso?**
- Como **ler** sua própria escrita como outros irão, e então aprender quando e como **revisá-la**



# Receita de Planejamento

## Defina o OBJETIVO

Tópico: Estou pesquisando \_  
Questão: a fim de descobrir o  
que/como/por que \_  
Relevância: para \_  
Aplicação prática potencial:  
que pode ser utilizada em \_

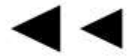
Defina o  
ESPECTRO  
< 4 palavras:  
muito abrangente

Entenda o  
PÚBLICO  
ALVO

Quem?  
Background?  
Expectativas?

**contexto**

Contexto geral  
Contexto específico [estado da arte]



**problema**

O que \*não\* existe/funciona?  
O que pode melhorar?



**solução**

Contribuição  
Como resolver o problema



**avaliação**

É bom? É melhor?  
[Nem] Sempre: Quando? Por quê?



# Escrita Científica

## PRONTO

- Título
- Autor (es)
- Resumo
- Introdução
- Corpo
- Conclusão
- Referências

## A FAZER

- Título
- Autor (es)
- Resumo
- Introdução
- Corpo
- Conclusão
- Referências



# Estrutura Base

Mesmo com exceções, funciona em  
~90% dos trabalhos de Computação

Título

Autor (es)

Resumo

Introdução

♥ Corpo ♥

Conclusão

Referências

---



# Título



<https://pixabay.com>

- Referência principal ao trabalho
- Chave para ser referenciado
- Claro, curto, correto
  - Nome, não uma frase, original
  - Primeira coisa a se escrever??

# Autor (es)

- Nome completo (“artístico”) + filiação + email
- Ordem dos autores??
  - Não há regra padrão aceita globalmente

- **André Silva, Bento Muniz, Carla Costa**
- **Carla Costa, Bento Muniz, André Silva**
- **Bento Muniz, Carla Costa, André Silva**

Aluno “dono” tese

Bolsista

Orientador

# Resumo

- Um parágrafo 100-250 palavras (~ # páginas)
- Propaganda ou trailer do artigo
  - Atrai (?) a atenção e o interesse do leitor
- Sempre menciona informações ou conclusões do texto
  - Sem referências bibliográficas (exceto em ocasiões raras, como modificações a um método publicado previamente)
  - Primeiro a ser escrito: planejamento
  - Último a ser escrito: ideia melhor

# Resumo

Contexto  
Problema  
Solução  
Avaliação





# Resumo em estilo curto

1 OU 2 LINHAS PARA CADA ITEM

**Contexto** Structural summaries are data structures that preserve all structural features of XML documents in a compact form.

**Problema/  
Solução** We investigate the applicability of the most popular summaries as access methods within XML query processing. In this context, issues like space and false positives introduced by the summaries need to be

**Avaliação** examined. Our evaluation reveals that the additional space required by the more precise structures is usually small and justified by the considerable performance gains that they achieve.

# Introdução

**UM ARTIGO CIENTÍFICO NÃO É  
UM *LIVRO DE SUSPENSE* NO  
QUAL O LEITOR SÓ DESCOBRE  
O QUE ESTÁ ACONTECENDO  
NO FINAL, *OU NÃO***

# —

## Erro mais comum

# Deixar tudo implícito

# Achar que é óbvio



### Dica

O óbvio  
não é ciência,  
é senso comum



# Introdução

- Uma introdução bem escrita é fundamental!!
- O leitor deve estar ciente do que acontece desde o início, **desde a introdução** *(na verdade, desde o Resumo)*
- A introdução é uma reafirmação estendida do conteúdo do Resumo (linhas→parágrafos)

# Introdução contém em algum parágrafo



- **Como** o seu trabalho pode ser empregado
- **Onde** o seu trabalho pode ser empregado, quais os contextos, **quais** aplicações podem se beneficiar
- Qual a **contribuição social**
- Quais **problemas práticos** o seu trabalho resolve

# Até aqui ...

Contexto  
Trabalhos  
Relacionados

Solução 1  
Solução 2  
Avaliação

Título: **keyword1** **keyword2**

Resumo: **line1** **line2** **line3**

Intro: **par1** **par2** **par3** **par4**

Conclusão: **par1** **par2** **par3**



# Aonde pesquisar os artigos ?

## 1) Periódicos capes

<http://www-periodicos-capes-gov-br.ez120.periodicos.capes.gov.br/>

## 2) Scopus

<https://www.scopus.com/search/form.uri?display=basic>

## 3) Web of science

[http://apps-webofknowledge.ez43.periodicos.capes.gov.br/WOS\\_GeneralSearch\\_input.do?product=WOS&search\\_mode=GeneralSearch&SID=7A3DfxGijOfQTNCYdeo&preferencesSaved=](http://apps-webofknowledge.ez43.periodicos.capes.gov.br/WOS_GeneralSearch_input.do?product=WOS&search_mode=GeneralSearch&SID=7A3DfxGijOfQTNCYdeo&preferencesSaved=)

## 4) Scifinder:

[https://www.periodicos.capes.gov.br/images/documents/Manual\\_SciFinder.pdf](https://www.periodicos.capes.gov.br/images/documents/Manual_SciFinder.pdf)

# Corpo Central

1. Introdução
2. JÁ EXISTE
3. NOVIDADE
4. VALIDAÇÃO
5. Conclusão

*>>> Sempre olhe o estilo de artigo publicado nos principais veículos da sua área específica*

# O que já Existe

> Já existe  
Novidade  
Validação  
Discussão



Conceitos Básicos +  
Trabalhos Relacionados

Apresentados juntos/não

Conceitos antes da contribuição

Relacionados no início ou fim



# Já existe: Conceitos Básicos

O que é necessário para entender o trabalho e suas contribuições?

**Definições  
Notações**

**Modelos**

**Arquiteturas**

**Linguagens**

**Cenários**

**Padrões**

# Já Existe: Trabalhos Relacionados





# Novidade

## Contribuições

Já existe  
> **Novidade**  
Validação  
Discussão

- ★ Parte principal do artigo
- ★ A que veio?
- ★ O que adiciona?
- ★ Tem de estar claríssimo



# Validação, Avaliação

Já existe  
Novidade  
> **Validação**  
Discussão

## Solução proposta funciona e seus benefícios

- Análise
- Estudo de caso
- Experimentos



# Validação: **Experimentos**

## **Proposta funciona, desempenho bom/superior**

Inclua (conforme necessário):

- Contexto: o que é medido, o que não é, por que
- Modelo de simulação ou infraestrutura das medições: configuração do sistema, tipo de máquinas usadas, linguagens, ...
- Resultados dos experimentos [próximo slide]
- Comentários finais, discussões, explicações adicionais

# Validação: **Experimentos**

## Descrição de resultados

- **Subtítulo** (em negrito): para diferenciar experimentos (ex: avaliação do tamanho da entrada, variando a quantidade de consultas, dados sintéticos versus dados reais, ...)
- **Razão clara**: por que cada gráfico aparece no seu artigo (ex: conforme o tamanho dos arquivos de entrada aumenta, o throughput diminui, ...)
- **Explicar**: os eixos dos gráficos, o que o gráfico mostra, qual é a tendência, por que a tendência aparece, por que um algoritmo apresenta melhores resultados que outro, ...
- **Auto-contido**: legendas devem ser legíveis e compreensíveis e suficientes para entender o gráfico

# Experimentos: Exemplo

## 6. Performance studies

6.1 Analysis

6.2 Synthetic Dataset Generator

6.3 Parameters and Default Setting

6.4 Base Workload Performance

6.5 Sensitivity to Parameters

6.6 Time Scalability

6.7 Comparison of BIRCH and CLARANS

6.8 Application to Real Datasets **ZHANG @ SIGMOD 1996**





# Discussão

Já existe  
Novidade  
Validação  
> **Discussão**

- Como subseção final de Experimentos ou na Conclusão
- Relacionamentos entre os fatos e resultados observados
- Princípios, relações, generalizações mostrados nos Experimentos
- Exceção ou falta de relação, pontos incertos
- Resultados e interpretações concordam (ou contrastam) com relacionados
- Implicações teóricas e possíveis aplicações práticas

# CONCLUSÃO

Sugestão: ser mais específico que na introdução e informar (um parágrafo/linha por item)

- resumo do que o artigo apresentou
- principais resultados e contribuições, com devidas evidências
- comentários sobre a importância, relevância ou
- dicas para o uso prático do seu trabalho (como os resultados dos experimentos podem ajudar na prática...)
- trabalhos futuros

**Evidências para cada conclusão (não assumo que o leitor é super capaz de juntar todos os pontos sozinho)**

## Sete Pecados Capitais

Português, inglês,  
qualquer texto  
(mesmo não  
científico)





## #1 Frase Longas

Repletas de vírgulas ou não

É pior uma frase longa sem vírgula ou a mesma com dez vírgulas?

Se tiver de ler três vezes para entender, já era

Regra simples: **no máximo duas vírgulas**

Se precisar mais: considere dividir a sentença





## #2 Erros Ortográficos

Um erro ortográfico pode distrair o leitor

10 ou mais: leitor irá se perder a ponto de ignorar o seu trabalho ou **rejeitá-lo** (se for um avaliador)



## #3 Erros Gramaticais

Paralelismo, concordância e conjugação

Língua portuguesa: **crase**



## #4 Tradução Literal

Traduzir cada palavra literalmente para o inglês não funciona

*tea with me* não faz sentido

Imbromation (inventar palavras em inglês). Na dúvida, consulte um bom **dicionário** para verificar se a palavra existe, ou um thesaurus para verificar se um sinônimo fica mais adequado



## #5 Elementos Ilegíveis

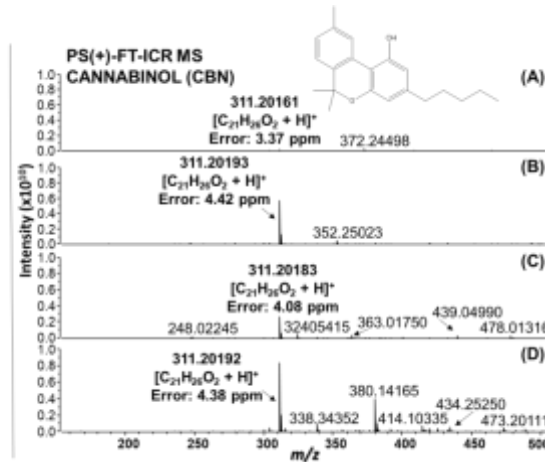
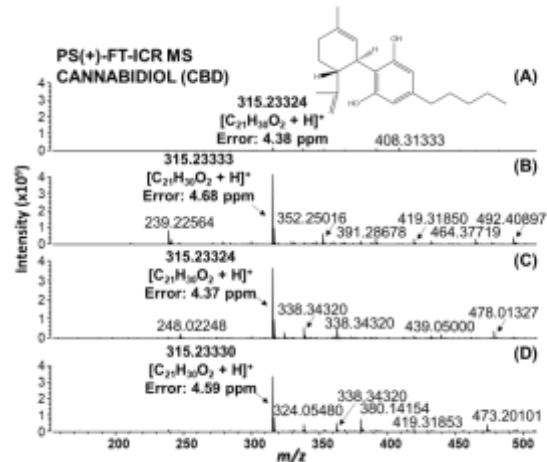
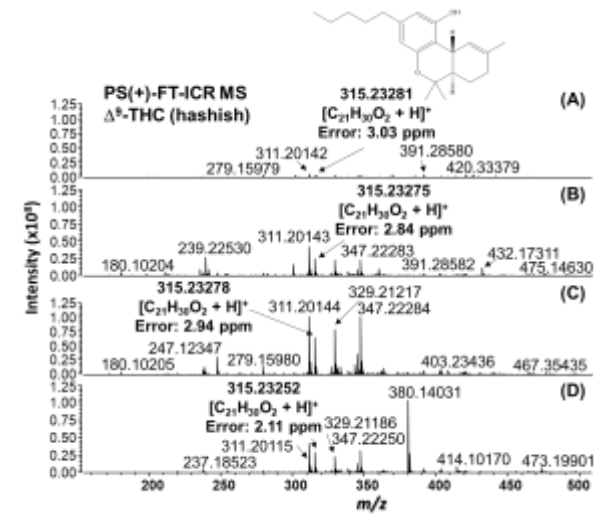
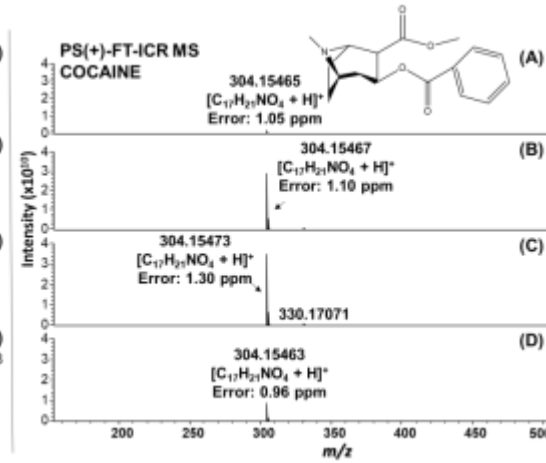
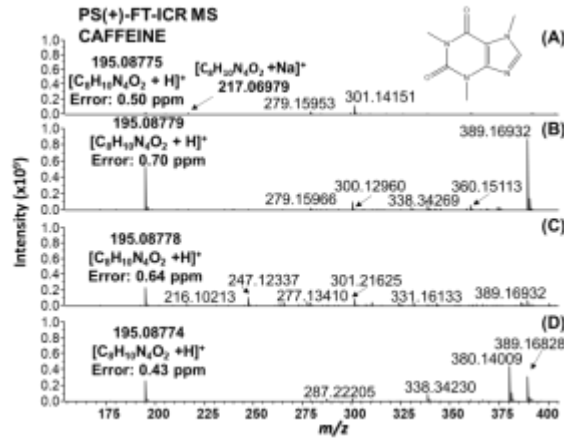
Se a imagem, gráfico, esquema, modelagem, tabela, etc. precisa aparecer no texto, **então precisa estar legível**

Na dúvida, imprima o texto no seu tamanho final e verifique



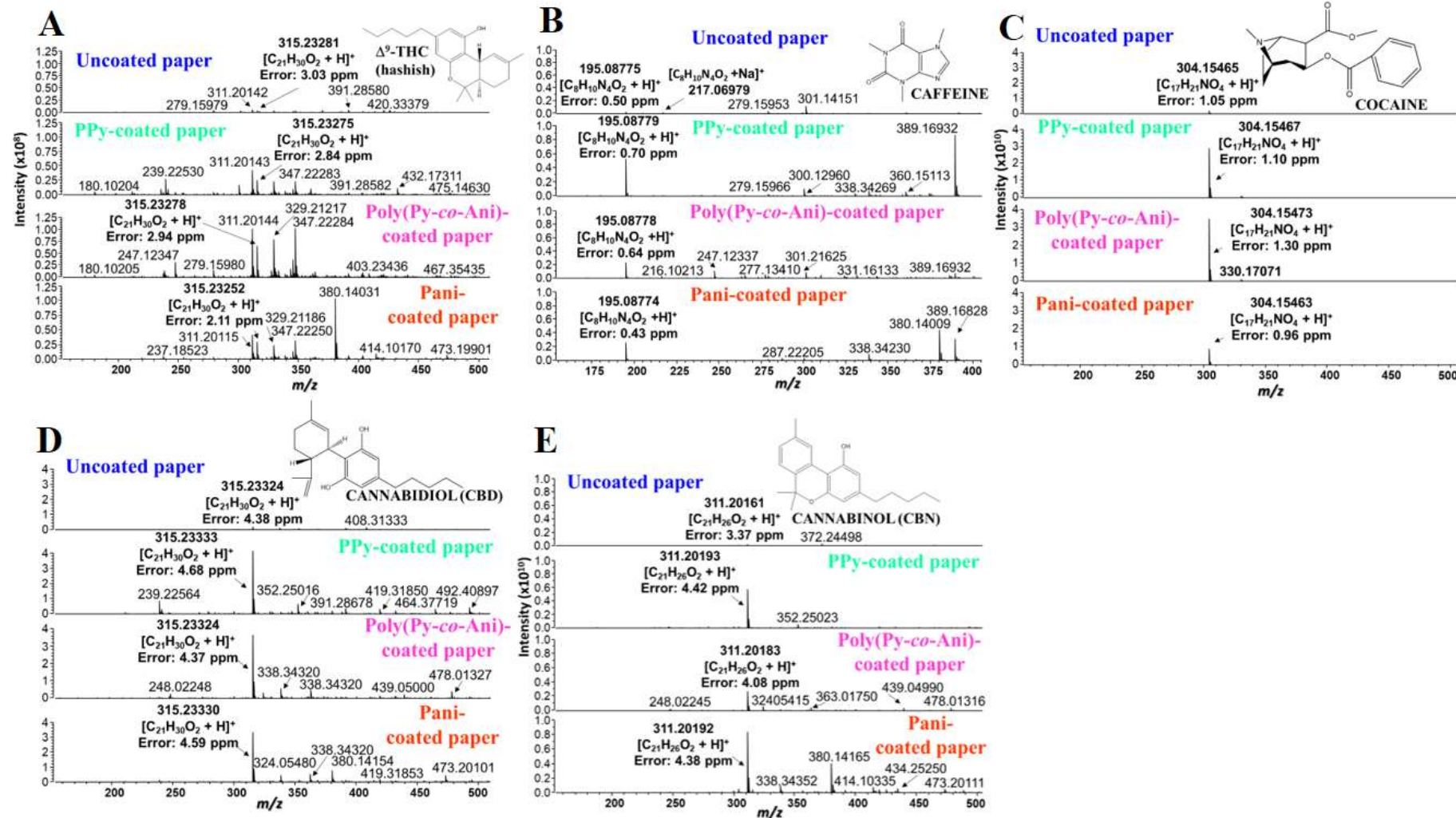
# Antes

PS(+)-FT-ICR mass spectra for analyses of caffeine, cocaine and cannabinoids: **(A)** Chromatographic paper (Whatman); **(B)** PPy; **(C)** [Poly(Py-co-Ani)]; **(D)** PANi



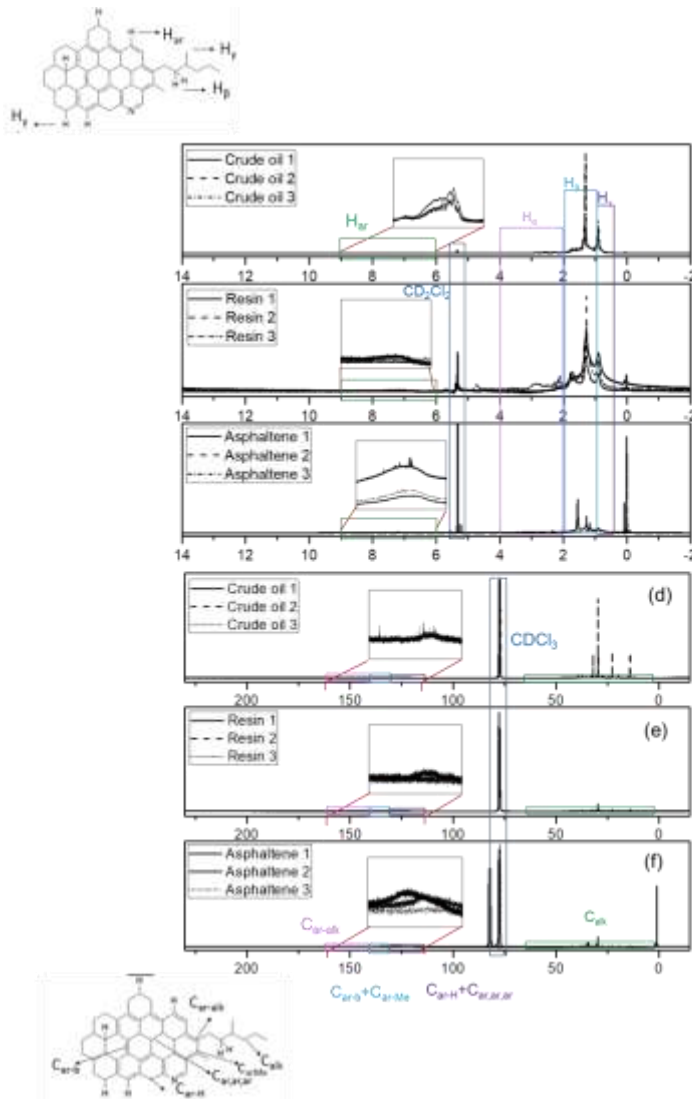
# Depois

PS(+)-FT-ICR mass spectra for analyses of (A)  $\Delta^9$ -THC, (B) caffeine, (C) cocaine, (D) cannabidiol (CBD) and (E) cannabinol (CBN) using uncoated paper (Chromatographic paper, Whatman) and CP-coated papers.



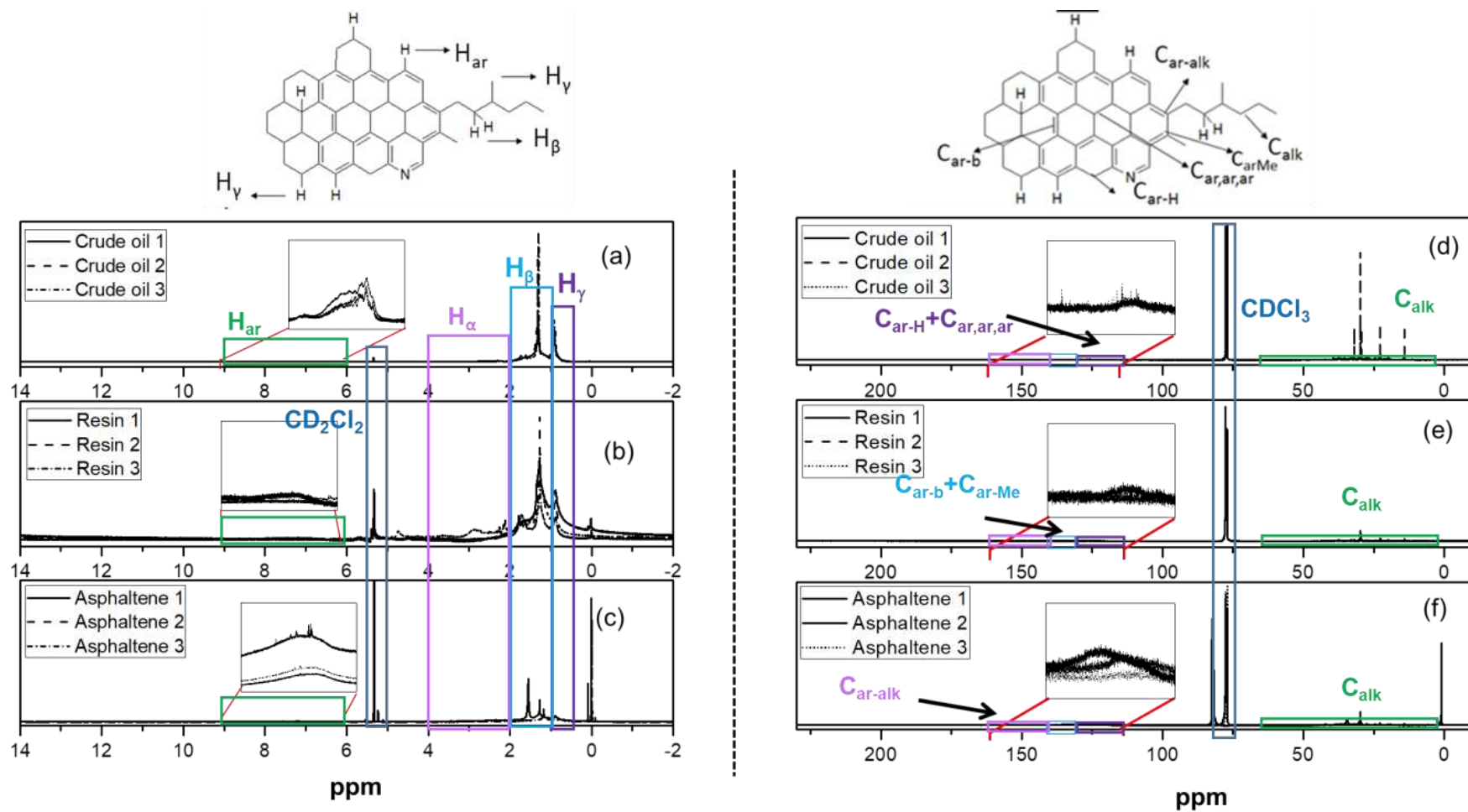
# Antes

$^1\text{H}$  (a-c) and  $^{13}\text{C}$  (d-f) NMR spectra of the three crude oils samples (a,d), resins (b,e) and asphaltenes (c,f).



# Depois

$^1\text{H}$  (a-c) and  $^{13}\text{C}$  (d-f) NMR spectra of the three crude oils samples (a,d), resins (b,e) and asphaltenes (c,f).







## #6 Cópia Literal

Copyright?

Ética?

Plágio?

<https://www.youtube.com/watch?v=Y4IC9UQI7l0&t=4s>

Alterar idioma Português ▼

Procurar

Criar conta | Acessar



Produtos ▼ Soluções ▼ Recursos Ajuda

# A prevenção de plágio que merece a confiança de educadores de todo o mundo

Incorpore a integridade acadêmica no seu fluxo de trabalho.

Agendar uma chamada





## #7 Blablabla

Encher linguiça

Se o limite do artigo é 12 páginas mas você só consegue escrever 10, não vá sair escrevendo qualquer bobagem e chovendo no molhado para chegar às 12

O **avaliador saberá** que você está enchendo linguiça, pode acreditar

# Na maioria das vezes você vai **ouvir um não !!!**

Manuscript ID: ac-2018-015173

Title: The use of conductive polymers as substrate for paper spray ionization mass spectrometry

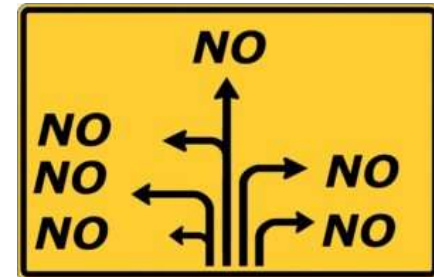
Authors: Borges et al.

“The authors demonstrated an approach by using a piece of paper coated with conductive polymers as the substrate for conducting paper spray ionization mass spectrometry (PSI-MS) operated at a high voltage. As the authors described in Introduction, there were already many reports using a piece of paper with different coating and compositions for conducting PSI-MS. Previous reports have shown that the main advantages of using PSI-MS are the simplicity and good sensitivity. Thus, any advanced studies should show the improvement over these features or demonstrate other superior figures of merit. **Using conductive polymers coated paper as the emitted in PSI-MS analysis does not seem to simplify the ionization method further.** Moreover, a low voltage (3V) and no voltage applied on the paper emitter used in PSI-MS have been demonstrated. Thus, to impose conductive properties to the paper substrate to improve electric conductivity during PSI-MS analysis is not necessary. Moreover, discharge and spark may occur with conducting materials placed close to the mass spectrometer applied with a high voltage.

According to the results shown in Figures 3 and 4, the current approach can raise the total ion intensity including background ions, which may be because of the use conductive polymer. Although the intensity of analyte ion was increased, the intensity of background ions was also increased in most of the results. If it is the case, it is hard to conclude that the analysis performance is really improved and the coating on the paper substrate is necessary. When comparing the results with different approaches, the signal to noise ratios for the analyte peaks should be displayed to clearly show how well this approach can be used to improve the analysis performance. The increase of the total ion intensity of analytes cannot provide a clear picture of the improvement of the proposed method if the ion intensity of background is also raised.”

*“Overall, I did not see great improvements of this approach compared with other existing approaches. Moreover, the current approach complicated the preparation of paper substrate used in PSI-MS too much and does not possess apparent advantages.”*

*May 02 of 2018*





# Mas você pode ouvir também um **segundo não** **!!!**

Dear Professor Borges:

Manuscript ID: AN-ART-06-2018-001169

Title: The use of conductive polymers as substrate for paper spray ionization mass spectrometry

Thank you for your submission to Analyst, published by the Royal Society of Chemistry. I sent your manuscript to reviewers and I have now received their reports which are copied below.

**After careful evaluation of the manuscript and reviewers' comments, I regret to inform you that I do not find your manuscript suitable for publication and therefore it has been rejected from Analyst.**

I am sorry not to have better news for you, however, thank you for giving us the opportunity to consider your manuscript. I wish you every success publishing this manuscript elsewhere.

Yours sincerely,

Evan Williams

Associate Editor for the Americas

University of California, Berkeley, USA

[analyst@rsc.org](mailto:analyst@rsc.org)

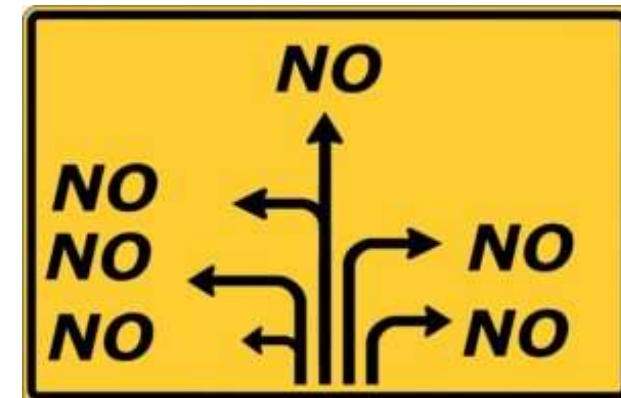
\*\*\*\*\*

Referee: 1

Rate - significance: Significant (10-25%)

Referee: 2

Rate - significance: Routine (25-50%) – not suited to Analyst



Journals, books &  
databases

Impact factor: 3.864\*  
Publishing frequency: 24 issues per year  
Indexed in MEDLINE, Scopus and Web of Science  
Editor-in-Chief: Duncan Graham

**2018-07-15**

# Mas você é teimoso e vai ouvir um terceiro não... Quarto não..

Manuscript ID: am-2018-15430s

Title: "The use of conductive polymers as substrate for paper spray ionization mass spectrometry"

Author(s): Borges, Marcella ; Santos, Heloia; Vasconcelos, Gécica; Nascimento, Tienne ; Dutra, Flávia; Pires, Bruna ; Tosato, Flavia ; Aquije, Gloria; Borges, Warley; Vaz, Boniek; Arroyo-Mora, Luis ; Romão, Wanderson; Borges, Keyller

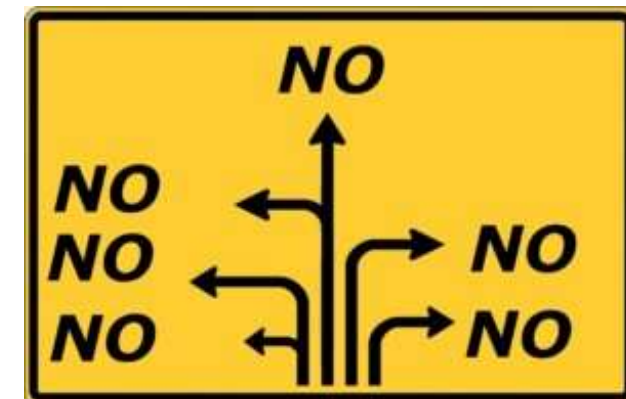
Dear Dr. Romão:

Thank you for your submission to **ACS Applied Materials & Interfaces**. Unfortunately, on the basis of my preliminary review of the manuscript, I have decided that we will be unable to consider it for publication in this journal. In particular, due to the large influx of papers that we have experienced recently, and the resulting increased pressure on reviewers, we are now conducting a preliminary screening of the papers that we receive for publication prior to their submission for peer review. Papers that do not provide clear evidence for a significant new insight into the area of applied materials and interfaces are being referred elsewhere for consideration.

While I recognize the improvement you made, many other concepts of improving ionization in analysis have been documented. In reading your manuscript, I feel strongly that your manuscript is better suited for a more specialized journal focusing on analytical chemistry.

**I am sorry that we are unable to consider this paper, but I trust you will be able to find a suitable alternative journal to consider the manuscript for publication.**

**03-Oct-2018**



# As Vezes vão tentar te humilhar....

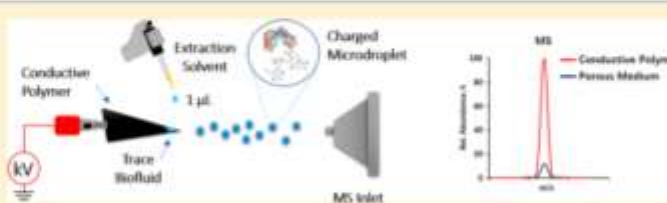
**analytical chemistry** Article  
Cite This: Anal Chem. XXXX, XXX, XXX–XXX [pubs.acs.org](http://pubs.acs.org)

## Conductive Polymer Spray Ionization Mass Spectrometry for Biofluid Analysis

Xiaowei Song, Hao Chen,<sup>1</sup> and Richard N. Zare<sup>1\*</sup>

Department of Chemistry, Fudan University, Shanghai, 200438, China

<sup>1</sup> Supporting Information



**ABSTRACT:** We present a conductive polymer spray ionization (CPSI) method for the direct mass spectrometric analysis of hydrophilic drugs, saccharides, peptides, and proteins in biofluids. Carbon nanotubes (CNTs) were introduced into poly(methyl methacrylate) (PMMA) to fabricate a conductive composite substrate CNT/PMMA in the shape of a triangle (8 mm wide and 10 mm long) with its apex pointed toward the inlet of a mass spectrometer. In comparison with a traditional paper spray substrate, the conductive polymer absorbs less hydrophilic compounds owing to its hydrophobic nature. When aqueous biofluid samples are loaded, they also exhibit less diffusion on this nonporous surface. Only 1.0–2.0  $\mu\text{L}$  solvent suffices to extract the components in a dried biofluid spot and to form charged microdroplets (4.5 kV high voltage applied). Furthermore, the hydrophobic polymer surface only needs to overcome weak surface tension to emit charged microdroplets, so that the signal has a typical duration of 7.5 min. For sunitinib, acarbose, melamine, and angiotensin II, the ion intensity of the target compound from the conductive polymer support is significantly higher than paper spray, typically by a factor of 20 to 100. These results suggest that the CNT/PMMA conductive polymer spray has great potential in the analysis of hydrophilic drugs, saccharides, peptides, and proteins in biofluids.

Received: August 1, 2018

Accepted: September 24, 2018

Published: September 24, 2018

**analytical chemistry**

Editor-in-Chief: Jonathan V. Sweedler | Editors & Editorial Board

Impact Factor 2017: 6.042 | Citations 2017: 123,665

# Lembram do primeiro NÃO?

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From: **Analytical Chemistry** <[onbehalfof+mcluckey-office+anchem.acs.org@manuscriptcentral.com](mailto:onbehalfof+mcluckey-office+anchem.acs.org@manuscriptcentral.com)>

Date: **2018-05-02** 16:47 GMT+01:00

Subject: Decision on Manuscript ID ac-2018-015173

To: [keyller@ufsj.edu.br](mailto:keyller@ufsj.edu.br)

02-May-2018

Journal: Analytical Chemistry

Manuscript ID: ac-2018-015173

Title: "The use of conductive polymers as substrate for paper spray ionization mass spectrometry"

Author(s): Borges, Marcella; Santos, Heloá; Vasconcelos, Gêssica; Carvalho, Verônica; Nascimento, Tienne; Dutra, Flávia ; Pires, Bruna; Domingos, Eloilson; Tosato, Flávia; Aquije, Gloria; Borges, Warley; Vaz, Boniek; Romão, Wanderson; Borges, Keyller

Dear Dr. Borges:

I am reporting on the above manuscript, which you recently submitted for consideration in Analytical Chemistry.

After a careful study of the manuscript and considering the reviewers' comments, I regret to inform you that I have decided against publication. The potential usefulness of your work is not in question. However, in light of the reviewers' evaluation and comments, I do not believe that publication in Analytical Chemistry is justified. Based on the number of papers that have been published on paper spray by now, the requirements for originality and significance needed for Analytical Chemistry are higher than they once were. You might consider a mass spectrometry journal. I hope you will find the reviewers' specific comments helpful in planning future work. These comments are either included here or, if they were given in the form of a file, will appear at the bottom of the copy of this letter which will appear and be stored in your Author Center.

I appreciate the opportunity to have considered this contribution, and thank you for your interest in Analytical Chemistry.

Kind regards,

Professor Scott A. McLuckey  
John A. Leighty Distinguished Professor  
Department of Chemistry  
Purdue University  
560 Oval Drive  
West Lafayette, IN 47907-2084  
Phone: (765) 494-5270  
FAX: (765) 494-0239  
Email: [mcluckey@purdue.edu](mailto:mcluckey@purdue.edu)

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**Mas. É preciso.. Refletir..  
Mudar..revisar.. Voltar..  
Ler.. e refletir...**

**Sou brasileiro...**

**...não desisto nunca**

## Analytical Methods

Early applications of new analytical methods and technology demonstrating potential for societal impact



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<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-21-03144	Study of thermal aging of model compounds present in asphalt cement by GC-MS, ESI(-)FT-ICR MS, and NMR	Corresponding Author	May 15, 2021	May 21, 2021	Submission Transferred	May 21, 2021	Transfer
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-21-03161	Study of asphalt aging by analytical techniques: a review	Corresponding Author	May 16, 2021	May 21, 2021	Submission Transferred	May 21, 2021	Transfer
<a href="#">View Submission</a>	JFUE-D-21-03895	Discrimination of diesel fuel using FT-MIR and chemometric analysis: a case study	Other Author	Jun 17, 2021	Jun 21, 2021	Completed - Reject	Jun 21, 2021	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-20-08167	Isolation of tetrameric acids from naphthenates deposits and characterization by high-resolution analytical techniques (NMR, ESI(-)FT-ICR MS and ESI(-)Orbitrap MS)	Corresponding Author	Dec 06, 2020	Apr 07, 2021	Completed - Reject	Apr 07, 2021	Reject
<a href="#">View Submission</a>	JFUE-D-13-01241	FT-ICR MS Analysis of Asphaltenes: Asphaltenes Go In, Fullerenes Come Out	Other Author	Jul 24, 2013	Aug 30, 2013	Completed - Reject	Aug 30, 2013	Reject
<a href="#">View Submission</a>	JFUE-D-15-00470	Study of the Effect of Gas Condensate Addition on the Dynamic Viscosity of Heavy Oils	Other Author	Feb 25, 2015	Apr 14, 2015	Completed - Reject	Apr 14, 2015	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-15-00553	Petroleum Direct Analysis in Real Time (DART) by Hybrid Ion Trap - Orbitrap Mass Spectrometry	Corresponding Author	Mar 08, 2015	Jun 02, 2015	Completed - Reject	Jun 02, 2015	Reject
<a href="#">View Submission</a>	JFUE-D-15-02421	Prediction of Total Acid Number in Distillation Cuts of Crude Oil by ESI(-) FT-ICR MS Coupled with Chemometric Tools	Other Author	Sep 16, 2015	Dec 03, 2015	Completed - Reject	Dec 03, 2015	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-15-02913	Fractionation of Asphaltene by Adsorption onto Silica and Chemical Characterization by APPI(+)-FT-ICR MS, ATR-FTIR and <sup>1</sup> H-NMR	Corresponding Author	Oct 30, 2015	Dec 29, 2015	Completed - Reject	Dec 29, 2015	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">View Attachments</a>	JFUE-D-16-03478	Hydrocarbon Analysis by APPI(+)-FT-ICR MS: a New Point of View of Non-Polar Petroleum Fraction Characterization	Corresponding Author	Oct 12, 2016	Dec 23, 2016	Completed - Reject	Dec 23, 2016	Reject

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<a href="#">View Submission</a>	JFUE-D-17-02736	Extraction and characterization of naphthenic acids by solid phase extraction (SPE) allied to ESI(-)FT-ICR MS and 1H NMR	Other Author	Jul 19, 2017	Aug 26, 2017	Completed - Reject	Aug 28, 2017	Reject
<a href="#">View Submission</a>	JFUE-D-17-02799	Evaluating the effect of ion source gas (N2, He and synthetic air) on the ionization of condensed aromatic standards and paraffin fractions by APCI(+)-FT-ICR MS	Other Author	Jul 23, 2017	Oct 27, 2017	Completed - Reject	Oct 27, 2017	Reject
<a href="#">View Submission</a>	JFUE-D-17-03820	Separation, physicochemical analysis and chemical characterization of asphaltenic subfractions obtained from a crude oil	Other Author	Sep 29, 2017	Nov 22, 2017	Completed - Reject	Nov 22, 2017	Reject
<a href="#">View Submission</a>	JFUE-D-17-04469	Rheological Study of the Behaviour of Water-in-Oil Emulsions of Heavy Oils	Other Author	Nov 16, 2017	Jan 02, 2018	Completed - Reject	Jan 02, 2018	Reject
<a href="#">View Submission</a>	JFUE-D-18-04901	Biofuel Synthesis Using Niobium Catalysts Under Reflux and Ultrasound-Assisted System	Other Author	Oct 05, 2018	Nov 06, 2018	Completed - Reject	Nov 06, 2018	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-18-06210	STUDY OF CORROSION RATE OF CARBON STEEL USING LINEAR, CYCLIC AND AROMATIC NAPHTHENIC ACIDS	Corresponding Author	Dec 16, 2018	Jan 27, 2019	Completed - Reject	Jan 27, 2019	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-18-06379	Study of the Effect of Commercial Inhibitors on the Chemical Composition of Waxes by Rheology Tests and High Resolution Mass Spectrometry	Corresponding Author	Dec 24, 2018	Jan 11, 2019	Completed - Reject	Jan 11, 2019	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-18-02048	Characterization of organosulfur compounds in asphalt cement samples by ESI(+)-FT-ICR MS	Corresponding Author	Apr 27, 2018	Jul 13, 2018	Completed - Reject	Jul 13, 2018	Reject
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">View Attachments</a> <a href="#">Send E-mail</a>	JFUE-D-19-04005	Study of the influence of resins on the asphaltene aggregates by <sup>1</sup> H DOSY NMR	Corresponding Author	Jul 28, 2019	Dec 05, 2019	Completed - Reject	Dec 05, 2019	Reject
<a href="#">View Submission</a>	JFUE-D-20-00129	Preparation of a nitrogen oil compound fraction by modified gel silica column chromatography	Other Author	Jan 06, 2020	Jan 15, 2020	Completed - Reject	Jan 15, 2020	Reject

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<a href="#">View Submission</a>	JFUE-D-20-00822	SAP fractions from light, medium and heavy oils: correlation between chemical profile and stationary phases	Other Author	Feb 07, 2020	Apr 13, 2020	Completed - Accept	Apr 13, 2020	Accept
<a href="#">View Submission</a>	JFUE-D-20-00590	Discrimination of oils and fuels using a portable NIR spectrometer	Other Author	Jan 27, 2020	Jul 28, 2020	Completed - Accept	Jul 28, 2020	Accept
<a href="#">View Submission</a>	JFUE-D-20-02546	Characterization of Nonvolatile Polar Compounds from Brazilian Oils by Electrospray Ionization with FT-ICR MS and Orbitrap-MS	Other Author	Apr 17, 2020	Jul 20, 2020	Completed - Accept	Jul 20, 2020	Accept
<a href="#">View Submission</a>	JFUE-D-19-05059	FTIR, 1H and 13C NMR data fusion to predict crude oils properties	Other Author	Sep 16, 2019	Nov 20, 2019	Completed - Accept	Nov 20, 2019	Accept
<a href="#">View Submission</a>	JFUE-D-18-01943	Determination of physicochemical properties of biodiesel and blends using low-field NMR and multivariate calibration	Other Author	Apr 22, 2018	Oct 06, 2018	Completed - Accept	Oct 06, 2018	Accept
<a href="#">View Submission</a>	JFUE-D-18-06415	Determination of physicochemical properties of petroleum using 1H NMR spectroscopy allied to multivariate calibration	Other Author	Dec 26, 2018	May 06, 2019	Completed - Accept	May 06, 2019	Accept
<a href="#">View Submission</a>	JFUE-D-18-05550	Identification of petroleum profiles by infrared spectroscopy and chemometrics	Other Author	Nov 09, 2018	Jun 17, 2019	Completed - Accept	Jun 17, 2019	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-19-02147	Characterization of Organosulfur Compounds in Asphalt Cement Samples by ESI(+)-FT-ICR MS and 13C NMR Spectroscopy	Corresponding Author	Apr 24, 2019	Jul 29, 2019	Completed - Accept	Jul 29, 2019	Accept
<a href="#">View Submission</a>	JFUE-D-17-04373	Determination of crude oil physicochemical properties by high-temperature gas chromatography associated with multivariate calibration	Other Author	Nov 10, 2017	Jan 31, 2018	Completed - Accept	Jan 31, 2018	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-18-00217	Evaluating the effect of ion source gas (N <sub>2</sub> , He, and synthetic air) on the ionization of hydrocarbon, condensed aromatic standards, and paraffin fractions by APCI(+)-FT-ICR MS	Corresponding Author	Jan 13, 2018	Mar 28, 2018	Completed - Accept	Mar 28, 2018	Accept

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<a href="#">View Submission</a>	JFUE-D-17-02385	Revealing the Chemical Characterization of Asphaltenes fractions produced by N-Methylpyrrolidone using FTIR, Molecular Fluorescence, 1H NMR, and ESI(±)FT-ICR MS	Other Author	Jun 22, 2017	Aug 28, 2017	Completed - Accept	Aug 28, 2017	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">View Attachments</a> <a href="#">Send E-mail</a>	JFUE-D-17-01193	Fractionation of Asphaltenes in n-hexane and on adsorption onto CaCO3 and characterization by ESI(±)FT-ICR MS: Part I	Corresponding Author	Mar 28, 2017	Sep 07, 2017	Completed - Accept	Sep 07, 2017	Accept
<a href="#">View Submission</a>	JFUE-D-15-00472	Catalytic Decarboxylation of Naphthenic Acids in Crude Oils	Other Author	Feb 25, 2015	May 06, 2015	Completed - Accept	May 06, 2015	Accept
<a href="#">View Submission</a>	JFUE-D-15-00642	Improving the Physicochemical Properties of Brazilian Onshore and Offshore Crude Oils using the Production of Blends	Other Author	Mar 17, 2015	Jul 04, 2015	Completed - Accept	Jul 04, 2015	Accept
<a href="#">View Submission</a>	JFUE-D-15-01330	Laser desorption ionization FT-ICR mass spectrometry and CARSPLS for predicting basic nitrogen and aromatics contents in crude oils	Other Author	Jun 05, 2015	Jul 31, 2015	Completed - Accept	Jul 31, 2015	Accept
<a href="#">View Submission</a>	JFUE-D-14-02892	Analyzes of Hydrocarbons by Atmosphere Pressure Chemical Ionization FT-ICR Mass Spectrometry using Isooctane as ionizing Reagent	Other Author	Dec 08, 2014	Mar 03, 2015	Completed - Accept	Mar 03, 2015	Accept
<a href="#">View Submission</a>	JFUE-D-11-01721	Analysis of the Heavy Oil Distillation Cuts Corrosion by Electrospray Ionization FT-ICR Mass Spectrometry, Electrochemical Impedance Spectroscopy, and Scanning Electron Microscopy	Other Author	Dec 27, 2011	May 03, 2012	Completed - Accept	May 03, 2012	Accept
<a href="#">View Submission</a>	JFUE-D-12-01807	Monitoring the Liquid/Liquid Extraction of Naphthenic Acids in Brazilian Crude Oil using Electrospray Ionization FT-ICR Mass Spectrometry (ESI FT-ICR MS)	Other Author	Nov 06, 2012	Feb 05, 2013	Completed - Accept	Feb 05, 2013	Accept
<a href="#">View Submission</a>	JFUE-D-13-00705	Characterization of Polar Compounds in a True Boiling Point Distillation System Using Electrospray Ionization FT-ICR Mass Spectrometry	Other Author	May 04, 2013	Jul 02, 2013	Completed - Accept	Jul 02, 2013	Accept
<a href="#">View Submission</a>	JFUE-D-14-00077	FT-ICR MS Analysis of Asphaltenes: Asphaltenes Go In, Fullerenes Come Out	Other Author	Jan 10, 2014	Apr 16, 2014	Completed - Accept	Apr 16, 2014	Accept

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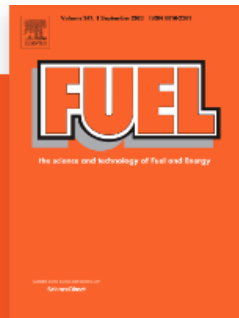
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<a href="#">View Submission</a>	JFUE-D-14-01160	Quality control of ethanol fuel: Assessment of adulteration with methanol using 1H NMR	Other Author	May 13, 2014	Jul 09, 2014	Completed - Accept	Jul 09, 2014	Accept
<a href="#">View Submission</a>	JFUE-D-14-01266	Evidencing the Crude Oil Corrosion by Raman Spectroscopy, Atomic Force Microscopy and Electrospray Ionization FT-ICR Mass Spectrometry	Other Author	May 27, 2014	Aug 27, 2014	Completed - Accept	Aug 27, 2014	Accept
<a href="#">View Submission</a>	JFUE-D-14-01946	Characterisation and Selection of Demulsifiers for Water-in-Crude Oil Emulsions using Low-field 1H NMR and ESI-FT-ICR MS	Other Author	Aug 13, 2014	Oct 10, 2014	Completed - Accept	Oct 10, 2014	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-21-03763	Isolation of tetrameric acids from naphthenates deposits and characterization by high-resolution analytical techniques	Corresponding Author	Jun 10, 2021	Sep 19, 2021	Completed - Accept	Sep 19, 2021	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-21-06547	Asphaltenes subfractions characterization and calculation of their solubility parameter using ESI(-) FT-ICR MS: Part II	Corresponding Author	Sep 25, 2021	Dec 05, 2021	Completed - Accept	Dec 05, 2021	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-21-08070	Characterization of naphthenic acids in Crude oil samples – a literature review	Corresponding Author	Nov 21, 2021	Mar 03, 2022	Completed - Accept	Mar 03, 2022	Accept
<a href="#">View Submission</a> <a href="#">View Decision Letter</a> <a href="#">Send E-mail</a>	JFUE-D-23-00062	Optimisation of LDI(+)-FT-ICR MS Analysis of Asphaltenes to Prevent the Formation of Fullerenes	Corresponding Author	Jan 03, 2023	Apr 16, 2023	Completed - Accept	Apr 16, 2023	Accept

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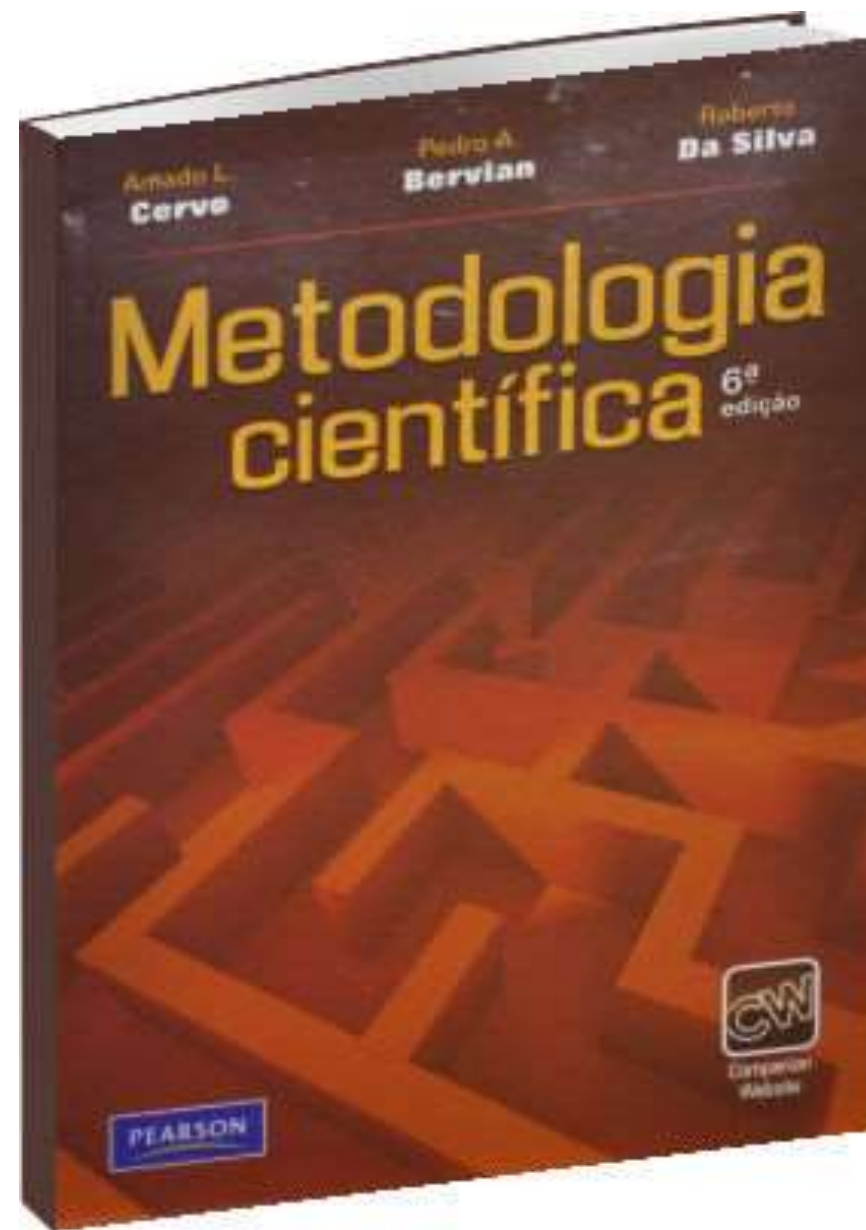
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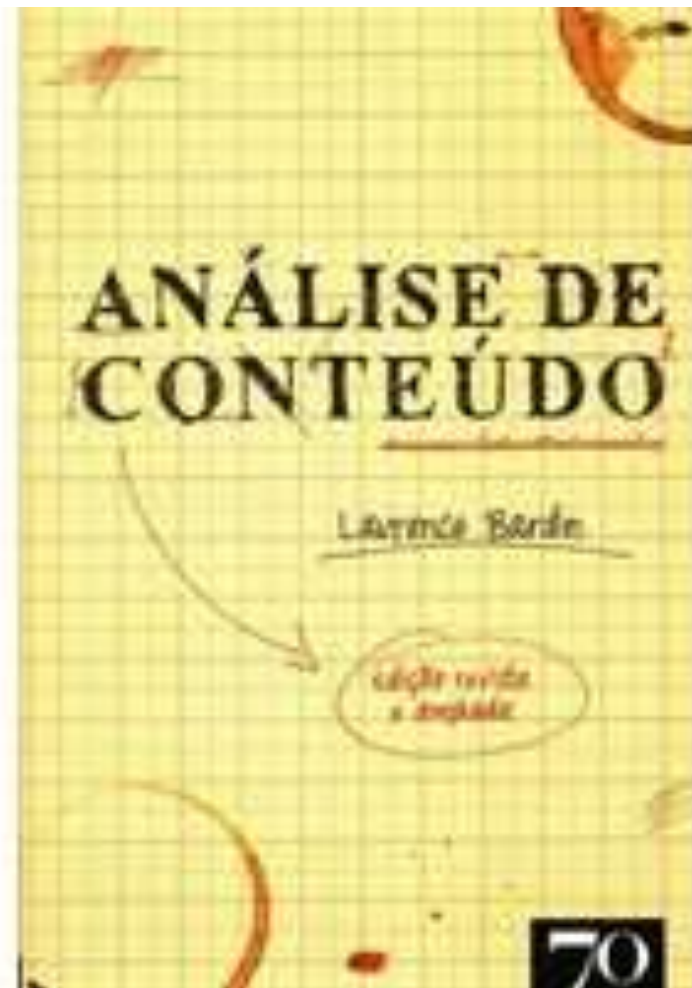
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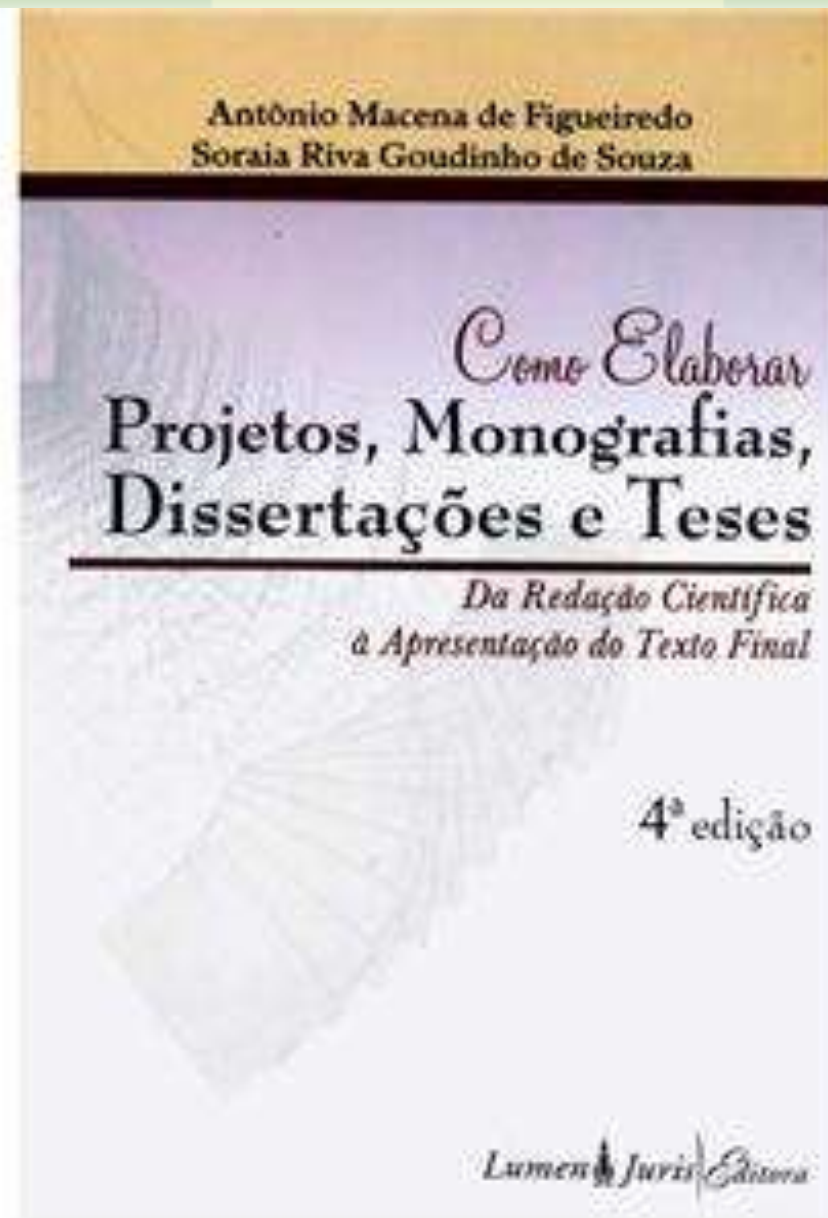
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## Gilson Luiz Volpato

“Infelizmente, eu preciso dizer: se traduzirmos para o inglês todos os trabalhos [científicos] publicados em português no Brasil e mandarmos ao exterior, vamos passar vergonha”



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2	119	WANDERSON ROMAO	M	40	M4044	5	08:11:25
3	40	FRANCISCO CARLOS DE CARVALHO JUNIOR	M	44	M4044	5	08:18:14



# O B R I G A D A S !



[wanderson.romao@ifes.edu.br](mailto:wanderson.romao@ifes.edu.br)

“Nunca deixe ninguém dizer que você não é capaz: Seja o que você quiser ser”

