

# Iana Atanassova, Ph.D.

Full Professor in Natural Language Processing

Director of Centre de Recherches Interdisciplinaires et Transculturelles

Université Marie et Louis Pasteur, CRIT, F-25000 Besançon, France

Institut Universitaire de France (IUF), France

🏠 <http://iana-atanassova.github.io>

✉ [iana.atanassova@univ-fcomte.fr](mailto:iana.atanassova@univ-fcomte.fr)

ORCID <http://orcid.org/0000-0003-3571-4006>

CV HAL <https://cv.hal.science/iana-atanassova>



## CURRENT POSITION

### FULL PROFESSOR

Since 09/2025

Université Marie et Louis Pasteur, Besançon, France

Centre de Recherches Interdisciplinaires et Transculturelles (CRIT)

### JUNIOR MEMBER

Since 09/2021

Institut Universitaire de France (IUF)

<https://www.iufrance.fr/les-membres-de-liuf/membre/2288-iana-atanassova.html>

### DIRECTOR

Since 11/2023

Centre de Recherches Interdisciplinaires et Transculturelles (CRIT)

<https://crit.univ-fcomte.fr/>

## RESEARCH TOPICS

My research is in the field of **Natural Language Processing (NLP)** and more specifically **full-text processing of scientific papers**. It is part of the research theme "Languages, Knowledge and Discourse" at the CRIT laboratory, with the development of linguistic approaches in NLP for the analysis of scientific discourse. I study the problems of **semantic annotation, ontology population, linguistic modelling and information extraction from scientific texts**. I have used NLP methods to process scientific corpora for building applications in bibliometrics and recommender systems. I have also participated in projects on text mining for competitive intelligence and personal data identification and representation.

My **recent research projects** focus on the study of the rhetorical structure of articles, and in particular the **expression of uncertainty** as part of the process of constructing new scientific knowledge (e.g. the ANR InSciM project).

## RESEARCH PROJECTS

### PRINCIPAL INVESTIGATOR (PI) AND SUPERVISOR

PI, project InSciM - "Modelling Uncertainty in Science"

2021–2025

funded by French ANR JCJC grant, ANR-21-CE38-0003-01 (270K euros). <https://project-inscim.github.io/>

SUPERVISOR, project EMONTAL	2020–2024
"Extraction and Ontology Modeling of Subjects and Places for the Exploitation of the Documentary Funds of Bourgogne Franche-Comté" : supervision of a PhD thesis, funded by Région Bourgogne Franche-Comté. <a href="http://tesniere.univ-fcomte.fr/projet-emontal/">http://tesniere.univ-fcomte.fr/projet-emontal/</a>	
SUPERVISOR, project "Researcher-entrepreneur" ICE	2023–2024
"Applications of NLP for the construction of tools for language teaching" : supervision of a post-doctoral fellow (Dr François-C. Rey), funded by Université de Bourgogne Franche-Comté, France, with the objective of technology transfer to a start-up.	
SUPERVISOR, Project "Automatic correction of text responses to exams"	2021–2023
Collaboration and technology transfer to the start-up e-Cole, funded by Technopole de la Réunion.	
PI, project DecRIPT - "Detection of the Representations of Personal Data in Texts". <a href="http://tesniere.univ-fcomte.fr/projet-decript/">http://tesniere.univ-fcomte.fr/projet-decript/</a>	2019–2023
funded by Interreg France-Switzerland 2014-2020 (307K euros) and Communauté du Savoir (9K euros).	
- Academic partners : HEG (Switzerland), HEG Arc (Switzerland)	
- Private partners : ERDIL (France), Global Data Excellence (Switzerland)	
- Objectives : Building tools for the reliable processing of personal data in texts to facilitate compliance with GDPR.	
SUPERVISOR, project "Researcher-entrepreneur" ICE	2016–2021
"Linguistic analysis and automatic extraction of semantic relations in Arabic" : supervision of a PhD thesis and a post-doctoral fellow (Dr Youcef Morsi), funded by Université de Bourgogne Franche-Comté, France, with the objective of technology transfer to a start-up.	

## PARTICIPATION IN PROJECTS

PARTICIPANT, project "Visial Operational Bibliography" (BIBLIOVISOP)	2025–2027
funded by FR-EDUC, France, PI Michaël Crevoisier	
PARTICIPANT, project "Epistemic concepts in the practice of science"	2024–2027
funded by CRSH, Canada, PI Pr. Christophe Malaterre	
PARTICIPANT, project TheoScit	2020–2024
funded by French ANR JCJC grant, PI Dr Marc Bertin, ANR-20-CE38-0003	
PARTICIPANT, project SEO-ELP "Search Engine Optimization e-Learning Platform"	2018–2025
funded by Université de Franche-Comté, France. <a href="https://seo-elp.fr/">https://seo-elp.fr/</a>	
PARTICIPANT, project WebSO+ : Competitive Intelligence Platform	2016–2018
funded by Interreg France-Switzerland 2014-2020. Development of a platform for strategic technological and competitive intelligence and e-reputation integrating semantic processing, text classification and sentiment analysis. <a href="http://tesniere.univ-fcomte.fr/projet-webso/index.html">http://tesniere.univ-fcomte.fr/projet-webso/index.html</a>	
PARTICIPANT, project SARS : "System for assisted scientific writing in the biomedical domain"	2015–2017
funded by Région Franche-Comté, France. Development of tools for scientific writing using lexical databases and Information Retrieval.	

## **POST-DOCTORAL SUPERVISION**

DR AURÉLIE NOMBLOT, PostDoc researcher-entrepreneur	09/2025–08/2026
DR NICOLAS GUTERHLÉ, as part of ANR InSciM project	07/2024–12/2025
DR FRANÇOIS-C. REY, PostDoc researcher-entrepreneur	09/2023–08/2024
DR ABDOU LAYE GUISSÉ, as part of DecRIPT project	01/2021–05/2021
DR YOUSSEF MORSI, PostDoc researcher-entrepreneur	09/2020–08/2021
DR FRANÇOIS-C. REY, as part of DecRIPT project	01/2020–12/2020

## **PHD THESIS SUPERVISION**

IANIS PONTIER	2025–
"Scientific uncertainty in popular science texts : annotation and interdisciplinary analysis", funded by French Ministry for Education and Research	
PANGGIH KUSUMA NINGRUM	2022–2025
"Modelling the expression of uncertainty in scientific articles", funded by project ANR InSciM	
NICOLAS GUTERHLÉ	2020–2024
"Extraction and ontological modelling of actors and places for the exploitation of the documentary funds of the Bourgogne Franche-Comté Region", Project EMONTAL, funded by Bourgogne Franche-Comté Region	
SALAH YAHIAOUI	2019–2023
"Information extraction of spatio-temporal data from scientific texts", funded by French Ministry for Education and Research	
YOUSSEF MORSI	2016–2020
"Linguistic Analysis and Automatic Information Extraction of Semantic Relations in Arabic", funded by project researcher-entrepreneur	
FRANÇOIS-C. REY	2016–2022
"Ontology of uncertainty and semantic annotation of a corpus dealing with climate change", co-directed with Dr Marc Bertin, University Lyon-1, France	

## **MSc THESIS SUPERVISION**

MSc theses prepared during 2 years and defended as part of the Master's degree of Natural Language Processing of Université de Franche-Comté, Besançon, France.

Non-exhaustive list.

L. RODRIGUES DE ALMEIDA, J. TADEI, M. POTIER, M. MATHIE, CH. MENSCH	2025
B. FERNANDES DE BRITO, S. POPOVIC, J. YANG, S. YACOUBI	2024
E. BOFFETTI	2023

J. BACCHIOCCHI, C.-T. KUO, M.A. NGUYEN THI	2021
R. HASNAOUI, J. BERGOEND	2020
S. YAHIAOUI, A. CALATAYUD	2019
N. GUTERHLÉ, C. EL CADÍ, I. HATIRA, L. ANNEBI	2018
L. LOGRADA, F.-C. REY, M. DELHOTAL, Y. MORSI	2016

## PARTICIPATION IN PHD THESIS JURYS

As thesis referee :

MATHIEU LAI-KING, "Quality of Research Articles and Neural Language Models : Applications to the Biomedical Domain" 2025  
 Université Paris-Saclay, France

As external examiner :

PAVEL SAVOV, "Measuring the Novelty of Scientific Papers" 2021  
 Polish-Japanese Academy of Information Technology, Poland

MILOUD ROUABHI, "Analyse sémantico-cognitive de prépositions en vue d'un traitement automatique" 2019  
 Paris-Sorbonne (Paris 4) University, France

DRAHOMIRA HERRMANNNOVA, "Mining Scholarly Publications for Research Evaluation" 2018  
 Knowledge Media institute, The Open University, United Kingdom

DORY SINGH, "Extraction des relations de causalité dans les textes économiques par la méthode de l'exploration contextuelle" 2017  
 Paris-Sorbonne (Paris 4) University, France

## PARTICIPATION IN PHD THESIS SUPERVISION COMMITTEES

Non-exhaustive list.

MOUAZ MIKAIL (2024–2025); LÉO ANNEBI (2021–2024); AHMED ALUSTATH (2020); DHEKRA NAJAR (2018);  
 HONG LIANG (2017)

## SERVICE

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### INSTITUTIONAL RESPONSIBILITIES

BOARD MEMBER OF THE GRADUATE SCHOOL TRANSLATION (HUMANITIES AND SOCIAL SCIENCES) 06/2025–  
 Université Marie et Louis Pasteur, France.

DIRECTOR OF THE CRIT LABORATORY 11/2023–  
 Centre de Recherches Interdisciplinaires et Transculturelles (CRIT), Université Marie et Louis Pasteur, France.

ELECTED MEMBER OF THE RESEARCH COMMISSION 04/2025–09/2025

Université Marie et Louis Pasteur, France.

Co-DIRECTOR OF THE CRIT LABORATORY  
CRIT, Université de Franche-Comté<sup>1</sup>, France.

09/2022–10/2023

REFERENT FOR OPEN SCIENCE  
CRIT, Université Marie et Louis Pasteur, France.

09/2021–

MANAGER OF THE DEPARTMENT OF NATURAL LANGUAGE PROCESSING  
Université Marie et Louis Pasteur, France.

09/2020–

## COURSE MANAGEMENT

COURSE MANAGER OF THE SPECIALTY "NATURAL LANGUAGE PROCESSING (NLP)"  
Master of Science "Languages and Foreign Cultures (LLCER)", Université Marie et Louis Pasteur, France.

09/2017–

## ISO/AFNOR COMMISSION

MEMBER OF ISO/TC 37/SC 4 "LANGUAGE RESOURCE MANAGEMENT"  
WG 2 "Semantic annotation".

06/2022–

MEMBER OF WORK GROUP AFNOR/X03A, ISO/TC 37/SC 4  
Terminology principles and coordination. National referent for ISO 24617 "Semantic Annotation Framework". <https://norminfo.afnor.org/membre/atanassova-iana797933>

09/2014–

## ORGANISATION OF WORKSHOPS AND SCIENTIFIC EVENTS

DOCTORAL FORUM  
20th International Conference on Scientometrics and Informetrics (ISSI), Yerevan.  
<https://issi2025.iiap.sci.am/>

Armenia, 2025

ANNUAL IUF CONFERENCE "LE TEMPS"  
Université Marie et Louis Pasteur, Besançon. <https://2025iuf.sciencesconf.org/>

France, 2025

WORKSHOP CLBIB "Mining Scientific Papers : Computational Linguistics and Bibliometrics"  
16th International Conference on Scientometrics and Informetrics (ISSI), Wuhan.  
<https://easychair.org/cfp/CLBib2017>

China, 2017

WORKSHOP "TRAITEMENT AUTOMATIQUE DES LANGUES SLAVES (TASLA)"  
Conference TALN 2015, France. <http://tesniere.univ-fcomte.fr/tasla/>

France, 2015

WORKSHOP CLBIB "Mining Scientific Papers : Computational Linguistics and Bibliometrics"  
15th International Society of Scientometrics and Informetrics Conference (ISSI), Istanbul.

Turkey, 2015

WORKSHOP "Analyses logométriques des revues québécoises : traitements et visualisations"  
Colloque "Relire les revues québécoises : histoires, formes et pratiques", Montréal, Canada.

Canada, 2015

1. Université de Franche-Comté is the name of Université Marie et Louis Pasteur before 2025.

## ADVISORY BOARDS

MEMBER OF THE ADVISORY BOARD OF THE ECLATS JOURNAL 2020–  
published by doctoral candidates of LECLA Doctoral School, France. <https://preo.u-bourgogne.fr/eclats/>

MEMBER OF THE ADVISORY BOARD OF THE SIPS PLATFORM "Information System in Philosophy of Science" 2019–  
Université Marie et Louis Pasteur, France. <https://sips.univ-fcomte.fr/>

MEMBER OF THE ADVISORY BOARD OF THE "NATURAL LANGUAGE PROCESSING" SERIES 2018–  
John Benjamins publishing. <https://benjamins.com/catalog/nlp>.

ELECTED MEMBER OF THE ADVISORY BOARD OF THE DOCTORAL SCHOOL LECLA 2016–  
Université de Bourgogne Franche-Comté (UBFC), France. <https://lecla.ubfc.fr/>

## EVALUATION PANELS

EVALUATOR FOR THE CANADA INNOVATION FUND 2025  
Canada Foundation for Innovation, Canada.

MEMBER OF THE ANR AAPG EVALUATION PANEL 2023  
CE10 – Industry and factory of the future : People, organisations, technologies, France.

REVIEWER FOR THE NSERC DISCOVERY GRANTS 2023  
Natural Sciences and Engineering Research Council of Canada (NSERC), Computer Science (EG 1507) /  
CRSNG, Canada.

EVALUATOR FOR JOHN R. EVANS LEADERS FUND 2020  
Canada Foundation for Innovation, Canada.

EVALUATOR FOR THE ANRT CIFRE DOCTORAL GRANTS 2015  
ANRT, France.

## EDITORIAL WORK

MEMBER OF THE EDITORIAL BOARD OF JOURNAL OF INFOMETRICS, Elsevier Since 2025  
<https://www.sciencedirect.com/journal/journal-of-informetrics>

EDITOR OF A SPECIAL ISSUE 2022  
"Languages Analysis, Comparison and Generation - Systems, Models and Applications. Homage to Peter Greenfield" in Bulag No 40, ISBN 978-2-84867-948-8. S. Cardey, F.-C. Rey, I. Atanassova (eds.)  
<https://pufc.univ-fcomte.fr/bulag-40.html>

EDITOR OF A RESEARCH TOPIC 2022  
"Mining Scientific Papers, Volume II : Knowledge Discovery and Data Exploitation" in "Frontiers in Research Metrics and Analytics". Editorial doi : 10.3389/frma.2022.911070.  
<https://www.frontiersin.org/research-topics/13388/mining-scientific-papers-volume-ii-knowledge-discovery-and-data-exploitation>

EDITOR OF A RESEARCH TOPIC 2019  
"Mining Scientific Papers : NLP-enhanced Bibliometrics" in "Frontiers in Research Metrics and Analytics". Edi-

torial doi : 10.3389/frma.2022.911070.

<https://www.frontiersin.org/research-topics/7043/mining-scientific-papers-nlp-enhanced-bibliometrics>

## REVIEWS AND PROGRAMME COMMITTEES

Non-exhaustive list.

### REVIEWER FOR INTERNATIONAL JOURNALS :

- Traitement Automatique des Langues (TAL) : 2024 (2)
- Scientometrics : 2023, 2022 (2), 2019 (3), 2018 (6), 2017 (3)
- International Journal on Digital Libraries (IJDLD) : 2025, 2023, 2021, 2016
- Quantitative Science Studies (QSS) : 2020
- Journal of Informetrics : 2017 (3), 2016, 2015
- Aslib Journal of Information Management : 2016
- Nature Machine Intelligence : 2020
- Journal of Natural Language Engineering (JNLE) : 2024, 2019
- Revue Ingénierie des Systèmes d'Information, numéro spécial (ISI) : 2017
- Computational Intelligence : 2016

### MEMBER OF THE PROGRAMME COMMITTEES OF INTERNATIONAL WORKSHOPS AND CONFERENCES :

- Asian Conference on Intelligent Information and Database Systems : 2026
- Workshop for Artificial Intelligence for Scientific Publications (WASP) : 2025
- SCOLIA 2025
- International Symposium Interdisciplinary approaches to phraseological units (PUs) in world languages : Linguistics - NLP & AI - Translation - Literature : 2025 (<https://aiup.sciencesconf.org>)
- Conference of the International Society of Scientometrics and Informetrics (ISSI) : 2025
- Doctoral Forum of the Conference of the International Society of Scientometrics and Informetrics (ISSI) : 2025
- Annual International Conference of the Institute for Bulgarian Language (ConfIBL) : 2024, 2023, 2022, 2020
- Extraction and Evaluation of Knowledge Entities from Scientific Documents (EEKE) at JCDL : 2023
- Joint Conference on Digital Libraries (JCDL) : 2023, 2022
- International Conference on Computational Linguistics (COLING) : 2022
- Bibliometrics and Information Retrieval (BIR) : 2024, 2023, 2021, 2020, 2019, 2018, 2017, 2016, 2014
- Bibliometric-enhanced Information Retrieval and NLP for Digital Libraries (BIRNDL) : 2019, 2018, 2017, 2016
- Workshop On Mining Scientific Publications (WOSP) at LREC : 2020, 2018, 2017
- Workshop on Natural Language Processing for Digital Humanities (NLP4DH) : 2025, 2022, 2021
- Recent Advances in Natural Language Processing (RANLP) : 2021, 2017
- The International Florida Artificial Intelligence Research Society Conference (FLAIRS) : 2023, 2022, 2021, 2020, 2019, 2015–2017
- The American Association for the Advancement of Science (AAAS) 2015 Annual Meeting
- The International ACM Conference on Management of computational and collective intelligence in Digital EcoSystems (MEDES) : 2016, 2015, 2014
- International Conference on Computational Collective Intelligence (ICCCI) : 2022, 2021, 2020
- Conférence sur le Traitement Automatique des Langues Naturelles (JEP-TALN-RECITAL) : 2020
- Workshop on Scholarly Web Mining (SWM) : 2017

- Workshop on Scholarly Document Processing (SDP) : 2021, 2020
- Electronic lexicography in the 21st century (eLex) : 2017
- Computational Linguistics in Bulgaria (CLIB) : 2024, 2022, 2020, 2018
- Workshop on AI + Informetrics (AII) : 2021
- 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE) : 2015

## ASSOCIATIONS AND SOCIETIES

ISSI (INTERNATIONAL SOCIETY OF SCIENTOMETRICS AND INFOMETRICS)

Member since 2023

ATALA (ASSOCIATION POUR LE TRAITEMENT AUTOMATIQUE DES LANGUES)

Member since 2014

## GRANTS AND PRIZES

IUF (INSTITUT UNIVERSITAIRE DE FRANCE) RESEARCH GRANT, JUNIOR MEMBER, France

2021–2026

GRANT FOR DOCTORAL SUPERVISION AND RESEARCH (PEDR), France

2019–2021

FIRST PRIZE OF THE INOVHACKTION HACKATHON

2017

Organised by the Air Force France on the Intelligent analysis of documents.

<http://actu.univ-fcomte.fr/article/le-traitement-automatique-des-langues-seduit-larmee-005704>

NOMINATION

2016

Annual International Society for Scientometrics and Infometrics (ISSI) Paper of the year award : Marc Bertin, Iana Atanassova, Vincent Larivière, and Yves Gingras. The Invariant Distribution of References in Scientific Papers. JASIST, 2016.

## SCIENCE DISSEMINATION

ORGANISER OF THE TEDONNÉES WORKSHOP SERIES FOR THE GENERAL PUBLIC

The TEDonnées (<http://tesniere.univ-fcomte.fr/tedonnees2024/>, "Emerging Data Processing Tools") workshops, Besançon, France, aim to promote interactions between students, researchers and firms in the field of NLP, and to inform the general public. Several editions were organised on the following topics :

- 2017, Data mining and e-reputation
- 2018, Smart cities and language technologies
- 2022, Fake News and credibility of the public information
- 2024, Exchanging and innovating : SSH at the horizon of digital technology

SCIENCE MAP "THE COGNITIVE CONTEXT OF CITATIONS"

2014

In the *Places & Spaces 10th iteration : The Future of Science Mapping* exhibit. <https://scimaps.org/map/10/6>

## ARTICLES AND INTERVIEWS :

- 2024, "Donner un nouveau sens aux documents historiques", En Direct, Université de Franche-Comté, No. 312. <https://endirect.univ-fcomte.fr/publication/patrimoine-ecritdonner-un-nouveau-sens-aux-documents->

### historiques/

- 2018, "Le traitement automatique des langues séduit l'armée", En Direct, Université de Franche-Comté, No 274.  
<https://endirect.univ-fcomte.fr/publication/le-traitement-automatique-des-langues-sduit-larme/>
- 2017, TDM Stories "The structure of papers", OpenMinTeD Interview  
<http://openminted.eu/tdm-stories-structure-papers/>
- 2016, "Au commencement était le verbe", En Direct, Université de Franche-Comté, No. 266  
<https://endirect.univ-fcomte.fr/publication/dompter-le-big-data/#commencement>

### PARTICIPATION AT SCIENCE DISSEMINATION EVENTS :

- 2024, "La science : des certitudes ou des hypothèses?", Presenting the project ANR InSciM, Fête de la Science, Besançon, France. <https://bit.ly/InSciM-diffusion1>
- 2022 (Nancy), 2024 (Limoges), participant as researcher in AI in "IUF dans le cartable", France. <https://www.iufrance.fr/liuf-dans-le-cartable.html>

## TEACHING ACTIVITY

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Non-exhaustive list.

IN MSc SPECIALTY NLP IN "LANGUAGES AND FOREIGN CULTURES" (LLCER) 2024–  
Université de Franche-Comté (UFC), Besançon, France  
Courses (lectures & tutorial classes) : Methodology in NLP, Methods in Machine learning, Research methodology.

IN MSc SPECIALTY NLP IN "LANGUAGES AND FOREIGN CULTURES" (LLCER) 2014–2024  
Université de Franche-Comté (UFC), Besançon, France  
Courses (lectures & tutorial classes) : Methodology in NLP, Computer Programming for NLP, Information extraction and IR, Etymology, Cognitive Methods and ML, Software engineering for NLP.

IN MSc "LANGUAGES AND FOREIGN CULTURES" (LLCER), ALL SPECIALTIES 2014–2024  
Université de Franche-Comté (UFC), Besançon, France  
Courses (lectures & tutorial classes) : Collaborative work and project management, Information Retrieval

IN BSc "LANGUAGES AND FOREIGN CULTURES", SPECIALTY NLP 2014–2019  
Université de Franche-Comté (UFC), Besançon, France  
Courses (lectures & tutorial classes) : Computational Linguistics, Formal linguistics and informatics, Introduction to computer programming for NLP.

IN URFIST DE LYON, France 2019 & 2020  
Courses : "Introduction to scientific writing with L<sup>A</sup>T<sub>E</sub>X"

IN MSc "FRENCH LANGUAGE AND APPLICATIONS" 2011–2012  
Université Paris-Sorbonne, Paris, France.  
Course : "Introduction to Informatics and Natural Language Processing" (lectures & tutorial classes).

IN BSc "FRENCH LANGUAGE AND INFORMATICS" 2009–2011  
Université Paris-Sorbonne, Paris, France.  
Courses : "Logics and Introduction to Informatics" (tutorial classes); "General Mathematics and Analysis - 1" (lectures & tutorial classes); "Preparation for the Certificate of Informatics and Internet (C2i) - level 1"

(lectures & tutorial classes).

IN MSc "*INFORMATICS AND LANGUAGE ENGINEERING FOR INFORMATION MANAGEMENT*"

2009–2011

Université Paris-Sorbonne, Paris, France.

Courses : "Methodology and scientific reasoning" (tutorial classes).

IN MSc "*PHILOSOPHY AND SOCIOLOGY*"

2006–2009

Université Paris-Sorbonne, Paris, France.

Courses : "Informatic tools" (tutorial classes).

## WORK EXPERIENCE

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ASSISTANT PROFESSOR IN NATURAL LANGUAGE PROCESSING,

09/2014–08/2015

Université de Franche-Comté, Besançon, France

INTERNATIONAL MOBILITY ERASMUS+ STA, University of Wolverhampton, UK

02/2017

Research and teaching stay at the Research Institute in Information and Language Processing (RIILP), Research Group in Computational Linguistics

POST-DOCTORAL FELLOW, Concordia University, Montréal, Canada

01/2014–08/2014

Semantic processing of corpora in humanities and social sciences, under the direction of Prof. Jean-Philippe Warren.

RESEARCH AND DEVELOPMENT MANAGER, MyScienceWork, France/Luxembourg

03/2012–06/2013

Implementation of a search engine for scientific papers for the MyScienceWork social network.

TEACHING AND RESEARCH ASSISTANT (ATER)

09/2009–08/2011

Université Paris-Sorbonne, Institut des Sciences Humaines Appliquées, Paris, France.

## EDUCATION

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HABILITATION TO DIRECT RESEARCH (HDR)

12/2015

Specialty "Natural Language Processing", Université de Franche-Comté, Besançon, France.

Title : "*Qualitative and quantitative analysis of scientific discourse. Applications to Information Extraction, Information Retrieval and the Semantic Web*"

Supervisor : Pr. Sylviane Cardey (University of Franche-Comté, France)

Jury : Pr. R. Mitkov (University of Wolverhampton, UK); Pr. Ch. Roche (Université de Savoie, France); Pr. B. K. Bogacki (Université de Varsovie, Pologne); Pr. L. Da Sylva (Université de Montréal, Canada); Pr. J.-P. Desclés (Paris-Sorbonne University, France); Pr. P. Pognan (INALCO, France).

PHD IN "MATHEMATICS, INFORMATICS AND APPLICATIONS TO HUMAN SCIENCES"

01/2012

Université Paris-Sorbonne, Faculté des Lettres, laboratoire LaLIC-STIH, Paris, France.

Title : "*Exploiting semantic annotations for information retrieval and text navigation*"

Supervisor : Pr. J.-P. Desclés (Paris-Sorbonne University, Paris, France)

Jury : Pr. Th. Poibeau (CNRS, LaTTiCe, France); Pr. M. Hassoun (ENSSIB, France); Dr. Ch. Harbulot (EGE, France); Dr. B. Djouia (STIH, Paris-Sorbonne, France).

MSc "INFORMATION AND COMMUNICATION"	2005–2006
Université Paris-Sorbonne, Faculté des Lettres, Paris, France.	
MSc thesis title : " <i>Semantic annotations of texts in French and in Bulgarian with the Excom engine. Automatic syntheses</i> ", supervised by Pr. J.-P. Desclés	
MSc "COMPUTATIONAL LINGUISTICS", Sofia University, Sofia, Bulgaria	2004–2005
Faculty of Classical and Modern Philology	
BSc IN ENGLISH PHILOLOGY, Sofia University, Faculty of Classical and Modern Philology	2002–2005
Sofia, Bulgarie	
BSc IN MATHEMATICS, Sofia University, Sofia, Bulgarie	2000–2004
Faculty of Mathematics and Informatics	

## PUBLICATION RECORD

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In the following list, my name appears **in bold** and the names of the students under my supervision are underlined.

### INTERNATIONAL PEER-REVIEWED JOURNALS

- [0] Panggih Kusuma Ningrum, Nicolas Gutehrlé et **Iana Atanassova**. « Etudier l'incertitude dans les articles scientifiques : mise en perspective d'une méthode linguistique ». In : *Revue des Nouvelles Technologies de l'Information Extraction et Gestion des Connaissances*, RNTI-E-41 (2025), p. 111-122.
- [0] Panggih Kusuma Ningrum, Philipp Mayr, Nina Smirnova et **Iana Atanassova**. « Annotating scientific uncertainty : A comprehensive model using linguistic patterns and comparison with existing approaches ». In : *Journal of Informetrics* 19.2 (mai 2025). ISSN : 1751-1577. DOI : [10.1016/j.joi.2025.101661](https://doi.org/10.1016/j.joi.2025.101661).
- [0] Marc Bertin et **Iana Atanassova**. « Linguistic perspectives in deciphering citation function classification ». In : *Scientometrics* (juill. 2024). DOI : [10.1007/s11192-024-05082-4](https://doi.org/10.1007/s11192-024-05082-4). URL : <https://link.springer.com/article/10.1007/s11192-024-05082-4>.
- [0] Panggih Kusuma Ningrum et **Iana Atanassova**. « Annotation of scientific uncertainty using linguistic patterns ». In : *Scientometrics* (mai 2024). DOI : [10.1007/s11192-024-05009-z](https://doi.org/10.1007/s11192-024-05009-z).
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