

Curriculum Vitae

Nom : TIE

Prenom : BI DJE LEOPOLD

Address:

Date of birth and place of birth:

Marital status:

Male, Married

Nationality:

Formation:

- **2020-2021** 5th year Ph.D student, « **Designing plasmonic nanostructures for biosensing applications by optical spectroscopy** »
Faculty of Physics, University Babes- Bolyai (UBB), Cluj-Napoca, Romania
- **2014-2015** **Master « Characteristics Study and Set up Laser Beam of Helium-Neon »**, Faculty of Physics, University Nangui Abrogoua (UNA), Ivory Coast
- **2008-2009** **Bachelor Degree**, Faculty of Physics, University Nangui Abrogoua (UNA),
Abidjan, Ivory Coast
- **2001 – 2002** **Baccalaureate**, Lycee Moderne Sakassou dept. Bouaké

Training:

- **2013-2014** Seminary Participation on 24 August 2014 at Institute National Polytechnique (INP)
Theme: Simultaneous compositionnal and / or topographical materials analysis in SEM using low drift and high speed four video output backscattered electron detector.
- **2013-2014** Participation 16-18 December 2014 TDR Seminary of the validation of strategic plan 2015-2019 at University Nangui Abrogoua (UNA).

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Working Experience:

- **2018-2020** General secretary at Non Government Organization Center of Peace and Violences Prevention (NGO - CPVP) Cluj-Napoca, Romania.
- **2017-2020** Assistant researcher : « **Fabrication of new flexible and inexpensive paper- based nanoplatforms sensors made by plasmon calligraphy for the multiplexed ultrasensivitive detection of cancer specific biomarkers**» Nanobiophotonics and Laser Microspectroscopy Center, Interdisciplinary Research Institute on Bio-Nano-Sciences, Babes-Bolyai University, Treboniu Laurean No.42, 400271 Cluj-Napoca, Romania
- **2016-2017** Back office: **DNR SERVICES**, Rue du commerce, Bloc Nassar, 2nd Floor door D27, Plateau - 22 BP 351 Abidjan, Abidjan - Ivory Coast
Ivorian Company provides various services in several areas namaly Office equipment,
 - IT equipment and consumables,
 - Printing works (Seminar kits, Publishing flowers, badges, etc),
 - Maintenance products,
 - Equipment, communication, monitoring video, etc.
 - Equipment maintenance and upkeep (Split, Photocopier, PC, etc),
 - Foodstuffs
 - Building works (construction, rehabilitation, etc.),
 - Road maintenance,
 - Biomedical
 - Import / export
- **2015-2016** High School Teacher at MONACO (Abidjan), Ivory Coast
- **2014-2015** Practical Work Technician at LPFA-UNA (Laboratoire de Physique Fondamentale et Appliquée)

Communications :

- The Sixth International Workshop on Advanced Nano- and Biomaterials and Their Device Applications French-Romanian Topical Meeting on Nano and Biomaterials'' NABM 2019'' Cluj Napoca, Romania, 12th – 16th May 2019 **Oral Contribution.**
- Conference of Doctoral Students from the University Consortium, 26-28 September 2019, Bucharest-Romania, Designing Plasmonic Nanostructure Systems for Biomolecules Detection by Optical Spectroscopy, **Oral Contribution.**

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- The 15th Edition of International Conference on Analytical and Nanoanalytical Methodes for Biomedical and Environemental Sciences "IC-ANMBES 2018 " Brasov, Romania, 23th -25th May 2018, **Poster communication**

Publications:

- Controlling the end-to-end assembly of nanorods to enhance the plasmonic response in near-infrared (NIR),
Leopold Tie, Monica Focsan, Jocelyne Bosson, Cristian Tira, Andreea Campu, Adriana Vulpoi and Simion Astilean

Published 10 July 2019, Materials Research Express, Volume 6, Number 9
<https://doi.org/10.1088/2053-1591/ab2eb0>

- Versatile Polypeptide-Functionalized Plasmonic Paper as Synergistic Biocompatible and Antimicrobial Nanoplatfrom,

Leopold Tie, Mina Răileanu, Mihaela Bacalum, Irina Codita, Ștefania Mădălina Negrea, Costin Ștefan Caracoti, Elena-Carmina Drăgulescu, Andreea Campu, Simion Astilean and Monica Focsan

Published 13 July 2020, Molecules **2020**, 25, 3182; doi:10.3390/molecules25143182

- Fabrication of SERS substrates by convective assembly of polystyrene microspheres (in preparation)

Leopold Tie, Alia Colniță, Daniel Marconi, Ioana Brezeștean, Lucian Barbu-Tudoran, Tiberiu Szöke-Nagy, Bogdan Cozar, Ioan Turcu, Simion Astilean and Monica Focsan

Skills domains:

- **Informatic:** Origin, Word, Excel, Power Point...
- **Language:**

Language	Understanding	Speaking	Writing	Reading
English	Good (B2)	Good (B2)	Excellent (C1)	Good (B2)
French	Excellent (C1)	Good (B2)	Excellent (C1)	Good (B2)
Romanian	Good (B2)	Good (B2)	Good (B2)	Good (B2)

Hobby:

- **Sport**
Participation Volley ball National's Champion Cluj-Napoca, Romania
- **Dance and percussion**
Francophone Business Club of Cluj event **11 July 2018**
Francophone cultural event in Buzău, French-language national Olympiad **08 April 2018**
Targu Mures for a drumming workshop on the European Day of Languages **4 October 2018**

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Sovata with the school counselors (psychologists from C.J.R.A.E - MURES the County Center for Resource and Educational Assistance) 22 Mars 2019

- Reading
- Music

Date : 20. 08. 2021

Signature

A handwritten signature in black ink, appearing to be 'J. B. ...', written over a set of three horizontal lines. The signature is stylized and cursive.