

Gisele Ferreira de Souza

CEP 05362060. Address: Visconde do Bom Retiro, Vila São Luís (Zona Oeste), São Paulo - Brazil Email: semfungos@gmail.com phone; (55) 4499730-6349

EDUCATION

Universidade de São Paulo (USP)- Medical School

São Paulo, SP- Brazil

July 2011-March 2015

-PhD in Science Health , School of Medicine, Graduate Program in Science, concentration area: Preventive Medicine

Food security, sustainable, freshwater and coastal ecology, marine, maritime and inland water research and the bioeconomy, water supply, pharmaceutical water, soil. Area: Pharmacist, engineers, physics, molecular biology

-Scholarships: Coordination of the Improvement of Higher Level Personnel (Capes) USP Medical School Congregation's List Member

-Teaching Assistant of Environmental Management and Sustainability Undergraduate Courses Engineers, pharmacists.

-Awarded scholarship to an exchange program at University of Copenhagen, Course on Economics of Sustainability, Water, Supply, Growth and Climate Change. Department of Food and Resource. Denmark.

-Awarded scholarship to CAPES at: Head of Department in Economics, Change. Green pharmaceutical water supply chain. Strategy, Engineers, Marketing and Enterprise (Lord Ashcroft International Business School - Anglia Ruskin University). Chelmsford. Bishop Hall Lane, Chelmsford. United Kingdom

Universidade Estadual de Maringá (UEM)

Master of Science in Health Sciences

Maringá, PR- Brazil

Apr.2007 – Feb.2010

Master Thesis: "Assessment and mycoflora aflatoxins production, harvesting and storage of peanut in a property in northwest of the state of Paraná."

UEM Board and, Commission Member

Spokesman for Professors at the Health Sciences Program

Northern Pioneer College, Northern Pioneer College (FANORP)

Certificate Program in Public Health

Santo Antônio da Platina, PR- Brazil

Mar. 2000 – Mar. 2003

University of Marília- UNIMAR

Bachelor Degree in Pharmacy

I had classes in pedagogy and education for University students.

Marília, SP- Brazil

Feb. 1997- Dec. 2000

PROFESSIONAL EXPERIENCE

SemFungos-Ceo and Founder

Link instagram: @SemFungos

Led consulting research projects that promoted food safety to improve health of people that are consuming Peanuts, corn, nuts, rice, Brazil nut, pistachio, dried fruits. Thus as (incidence of drugs in Water supply).

Sao Paulo, SP, Brazil

at Mar.2015–Present

Global Green and Healthy Hospitals

Researcher Pharmaceutical of Environmental Management Pharmacist

A project of HCWH Health Care Without Harm Global (incidence of drugs in Water)

Sao Paulo, SP, Brazil

Marc. 2015 – At moment

São Camilo University Center (CUSC)

Professor

Teacher hired to teach undergraduate biochemistry students Pharmacy and Engineers coursework

Sao Paulo, SP, Brazil

Feb.2011 – at moment

GISELE FERREIRA DE SOUZA and BEN SLAMA SAMI. Pharmaceutical waste in Brazil and green pharmaceutical supply chain (GPSC). ASIA LIFE SCIENCES Supplement 16(1): 199-212, 2018. The Asian International Journal of Life Sciences
Gisele Ferreira De Souza & Dr. Ben Slama Sami. "WASTE PHARMACEUTICAL AND GREEN PHARMACEUTICAL SUPPLY CHAIN (GPSC)". ASIA LIFE SCIENCES The Asian International Journal of Life Sciences. ISSN 0117-3375. ASIA LIFE SCIENCES 24(1): 111-125, 2018. Technical Paper scientific published in international journals indexed in JCR.

Gisele Ferreira De Souza & Dr. BEN SLAMA Sami. "WASTE PHARMACEUTICAL POTENTIAL ENVIRONMENTAL RISKS". ASIA LIFE SCIENCES The Asian International Journal of Life Sciences. ISSN 0117-3375 ASIA LIFE SCIENCES 25(1): 111-125, 2018. Technical Paper scientific published in international journals indexed in JCR.

Gisele Ferreira De Souza & Dr. BEN SLAMA Sami. "CONSIDERATIONS ON SOIL CONTAMINATION (IN BRAZIL)?: AN ANALYSIS OF SOIL METALS RESIDUES AND THE AMOUNT OF PHARMACEUTICAL RESIDUES DESCRIBED IN THREE RECYCLING COOPERATIVES". ASIA LIFE SCIENCES The Asian International Journal of Life Sciences. ISSN 0117-3375. ASIA LIFE SCIENCES 26(1): 111-125, 2018. Technical Paper scientific published in international journals indexed in JCR.

Gisele Ferreira De Souza & Dr. BEN SLAMA Sami. "Environmental assessment in the cooperatives of recyclable materials in Brazil". ASIA LIFE SCIENCES The Asian International Journal of Life Sciences. ISSN 0117-3375. ASIA LIFE SCIENCES 27(1): 111-125, 2018. Technical Paper scientific published in international journals indexed in JCR.

Souza, GF. et al. Occupational exposure to mercury in cooperatives of recyclable materials the metropolitan region of São Paulo. Cien Saude Colet periódico na internet] (2017/Set). [Citado em 29/12/2017]. Está disponível em:
https://www.researchgate.net/publication/321228714_Occupational_exposure_to_mercury_in_cooperatives_of_recyclable_materials_the_metropolitan_region_of_Sao_Paulo

SOUZA, GISELE FERREIRA; et al. Evaluation of the mycoflora and aflatoxins from the pre-harvest to storage of peanuts: a case study doi: 10.4025/actasciagron.v36i1.16972. Acta Scientiarum. Agronomy (Online) , v. 36, p. 27, 2014. https://www.researchgate.net/publication/278132952_Evaluation_of_the_mycoflora_and_aflatoxins_from_the_pre-harvest_to_storage_of_peanuts_A_case_study

SOUZA, GISELE FERREIRA; et al. Waste picking and health – report of the first university meeting of the national movement of recyclable material waste pickers. cadernos gestão social, v. 2, p. 285-295, 2013. https://www.researchgate.net/publication/298523323_CATANDO_E_RECICLANDO_SAUDE_RELATOS_DO_I_ENCONTRO_UNIVERSIDADE_-_MOVIMENTO_NACIONAL_DE_CATADORES_DE_RECICLAVEIS

SOUZA, GISELE FERREIRA; et al. Intake of aflatoxins through the consumption of peanut products in Brazil. Food Additives & Contaminants. Part B. Surveillance Communications, p. 1-7, 2011. https://www.researchgate.net/publication/233002747_Intake_of_aflatoxins_through_the_consumption_of_peanut_products_in_Brazil

SOUZA, GISELE FERREIRA; et al. Validation of a method for determination of aflatoxins in industrialized products with a peanut foundation by high performance liquid chromatography. Revista de Ciências da Vida, v. 28, p. 207-209, 2008. https://www.researchgate.net/publication/316789004_Validation_of_a_method_for_aflatoxins_determination_in_peanuts_industrialized_products_by_high_performance_liquid_chromatography_Key_words_Aflatoxins_Peanuts_HPLC

Refereed articles 1 Souza, g. F. Avaliação da microflora toxigenica do plantio a colheita do amendoim. revista brasileira de toxicologia, brazilian. Journal of toxicolog, p. 57 , 57 , 10 out. 2009 .

2 souza, g. F.; levantamento descritivo das análises toxicologicas a partir do software epiinfo. Revista brasileira de toxicologia, Brazilian journal of toxicolog, v. 22, p. 273 , 273 , 10 out. 2009

3 souza, g. F.; ocorrencia de fungos Toxigenicos no armazenamento do amendoim - estudo de caso. Revista brasileira de toxicologia, brazilian journal of toxicolog, p. 58 , 58 , 10 out. 2009 .

Letters (to editors)

1 souza, g. F. Avaliação da micoflora na produção e colheita Do amendoim em uma propriedade rural no noroeste do estado do paraná. In: 14 th national mycotoxin meeting, 2010, Florianópolis. Ptr - enm 015. 2010.

2 souza, g. F.; avaliação da micoflora na produção e colheitaDo amendoim em uma propriedade rural no noroeste do estado do paraná. In: international conference on pet food

Quality and safety & 14 th national mycotoxin meeting, 2010, ptr enm 015. 2010.

Books 1 Souza, G. F. Aflatoxinas em produtos de amendoim no estado do paraná.. In: xvi encontro anual de iniciação científica, 2007, maringá. Anais do xvi. Encontro anual de iniciação científica, 2007, 2007. Apresentações de trabalho

2 SOUZA, G. F.. Avaliação da micoflora na produção e colheita do amendoim em uma propriedade rural no noroeste do estado do paraná. 2010,

Conference internacional A Gisele Ferreira De Souza & Dr. Ben Slama Sami. "WASTE PHARMACEUTICAL AND GREEN PHARMACEUTICAL SUPPLY CHAIN (GPSC)". International Conference on: Communication, Management and Information Technology ICCMIT'18. ICCMIT'18 MADRID, SPAIN, 2018. Acceptance letter 2018. Technical Paper

B Gisele Ferreira De Souza & Dr. BEN SLAMA Sami. "WASTE PHARMACEUTICAL POTENTIAL ENVIRONMENTAL RISKS". International Conference on: Communication, Management and Information Technology ICCMIT'18. ICCMIT'18 MADRID, SPAIN, 2018. Acceptance letter 2018. Technical Paper

TO: University of Greece

For all concerned

My name is Gisele Ferreira de Souza. I am a Brazilian researcher and actually employee at São Camilo University Center (CUSC) Department of Chemistry, in São Camilo University Center (CUSC) for Pharmaceutical Sciences of the Department of Pharmacy. I have interest in appliance on your application because of my recent researchers. Actually, I am working with water and the its pollution, and your application could offer me a great opportunity to do an excellent progression for both of us.

I have experience on Pharmaceutical field because I have worked for 10 years with it, and it allowed me to develop complementary skills to technical knowledge of pharmacy, such as people management, sales management, teamwork and inventory management, for example. However, my thirst for knowledge only increased and I knew that if I want to become a specialist in my field of expertise, I need to continue my studies and researches.

The PhD allowed me to develop a fully focused research in my area of interest. Through the program, I also also get another old dream. I had two international experiences, an exchange in the UK and other one on Denmark. My successful thesis took me to Healthy Hospitals Project on Global Green and Healthy Hospitals in São Paulo, which my objective is to develop along with the pharmaceutical work, as Professor in Industrial Microbial Technology for Drinking Water and Waste Water.

The actual project I am working is the Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials, and it is about analysis of an emerging problem and plausible actions.

The actual objectives of this project are: demonstrate that the quality of water has been gradually compromised by the increase of inappropriate disposal of chemical agents by the population through its "domestic pharmacy", and presents possible environmental and human impacts, as well as pointing out probable solutions.

This application, with the multinational and multicultural environment, will expose me to absorb and how to learn and to deal with the diversity of the current world. My background in pharmacy, my academic career, in addition to my 10 years of experience as a pharmaceutical and responsible technical leverage my skills and make me a great candidate for the **Professor** at. As evidenced by my professional and academic career so far, I am committed and dedicated to everything I do. I will be an invaluable person to its great innovative and sustainable power that keeps the tradition of your institution.

Over the years, I have been admired some people, and I will talk about one of them. Jair Ribeiro is an admirable leader. The main feature that I admire in him is to be a visionary and futuristic psychologist and coach. Since the youth, he had strength that makes a natural leader being featured in CEFET Paraná, with sustainable and innovative project, which resulted in premium in adolescence, then maintain this discipline and responsibility, that led to his current career success. Currently he performs his work in South America, North America and Europe. Always committed to professionalism, Jair dedicated to learning other languages, including Russian, and developed skills to be able to transmit their knowledge for the good of others. Always being recognized by professionals who respect and their team as good rewards, come of their efforts to be dedicated, disciplined and have good coach studies that met in Barcelona.

Jair has keen insight into their lead. It acts as a coach training of many professionals including athletes with great potential. Among the many challenges, these athletes facing negative emotions that may arise during competitions. Jair use these challenges to boost the athletes and transforms negative emotions into positive ones as love, gratitude, forgiveness, trust, , empowerment, joy and fulfillment.

Being futuristic, he can anticipate the obstacles that each athlete faces and drives them to persevere through the difficulties. Jair is also a successful businessman, mature and experienced, with his focus is on discipline and respect for the human being.

My plan, in this application with University of Greece interest is to expand the project in the area of sustainability in the pharmaceutical supply department of a , which can implement the project supply water.

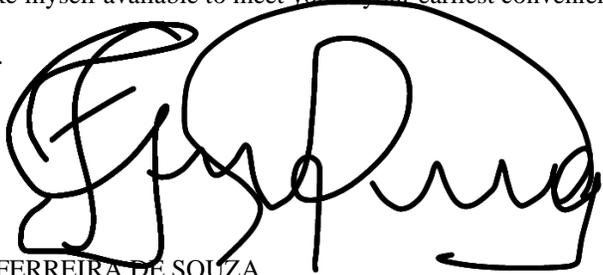
Sustainable entrepreneurship attracts me and fascinates me. In healthy hospital project in the Global Green and Healthy Hospitals, performance a leading role, working with allies and partners around the world to mobilize health care and address climate change as a multifaceted problem that currently experiencing a growing situation of "health emergency", as well as the " greatest threat to health "and" greatest opportunity in the 21st century health.

The results of my field research on the pharmaceutical waste supplies will be explored along with the University of Greece modelling of biological systems of pharmaceutical interest and with the global community after it. Together we could plan strategies and discuss plausible solutions to the disposal of pharmaceutical waste which will be done effectively and without prejudice to the people in my country and in other countries where there is no legislation for the sustainable and proper disposal of waste medicines supply green.

I had classes in pedagogy and education for University students.

I will make myself available to meet you at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gisele Ferreira de Souza'. The signature is fluid and cursive, with a large, rounded initial 'G' and 'F'.

GISELE FERREIRA DE SOUZA
PhD on University of São Paulo (USP)-
Medical School São Paulo, SP- Brazil
Email: semfungos@gmail.com

- Description of experience and scientific achievements in the field of reliability and safety of water supply systems.

Additional working experience: Professor at the Centro Universitário São Camilo:

Centro Universitário São Camilo (CUSC)

I was introduced as a university teacher with satisfaction professional through a letter of recommendation of my supervisor Ph.D. Dr. Miguel Machinski Junior. He is from Poland, and during my master's degree he motivated me to learn the Polish. After that I took the position of Professor of food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply. During the entire period as a Biochemistry Professor, I took part in the projects undertaken by the undergraduate students in the pharmacy course that were under my responsibility.

Over the course of my professional experiences, I witnessed my evolution as an academic teacher, my maturity on the educational and general issues aspects with my PhD. I have acted skillfully on the execution of experiments and analysis of results. I have shown the necessary theoretical grounds for discussion of the produced data.

In this activity at university that are food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply. I have shown technical skills, scientific reasoning, patience, discipline, responsibility and very good relationships in the context of team work. During my master and Ph.D. courses I have been continuously and constantly stating my will to move forward in deepening my scientific knowledge and developing my university teaching work for 10 years in the courses at pharmacist, nutrition, and engineers.

I am a teacher with proven technical experiences, along with maturity displayed in handling the peculiarities of research work allowing the expansion of Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials project.

My full-time contract pertains to the classes of the university graduation students, especially in the Biochemistry subject with the terms of food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply. Thus, I exclusively dedicated to toxicological analysis and to the environmental evaluation in cooperative operations of recyclable materials in São Paulo (2011) allowing the expansion of Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials supply project in the UK (2013) and Denmark (2014).

Other PROFESSIONAL EXPERIENCES

SemFungos-Ceo and Founder São Paulo, SP, Brazil

Link instagram: @SemFungos at Mar.2015–Present

I have always been engaged in sustainable and social projects at catholic church. During a social action in São Paulo with homeless people that I decided to make my PhD thesis research on the environmental assessment of cooperatives of recyclable materials, a subject I am passionate about. In 2015 when I defended my PhD thesis I felt immensely happy and fulfilled for being the first woman to receive a PhD in my hometown.

My core strengths are persistence and patience. Those were fundamental characteristics throughout my academic and professional life and were essential to overcome the challenge of doing research in Brazil and develop projects in the areas of food safety and sustainability. The latter culminated in my current project, @SemFungos, which is still ongoing.

My background in Pharmacy, my academic career, coupled with my 10 years of experience as a pharmacist and responsible technician, enhanced my skills and made of me a great consultant. In 2016, after 10 years acting as a researcher to reduce the intake of fungi to the lowest practicable level and limit their presence in food, I started my consultancy company SemFungos, with nationwide scope.

My plan is to expand the project for companies such as food producers, clinics, hospitals and dental practices, etc.

It's my pleasure to work with the water safety field and I have a large experience in water supply analysis. However, I need to develop my business skills and it depends of my financial knowledge and potential networking. In order to expand my project, I believe that Associate professor within bedrock geology, would equip me with such competences and would give me the opportunity to leverage my network.

I will be a great researcher along with the Associate professor within bedrock geology. I want to share with my classmates my perspectives on the project, so we can plan strategies and discuss plausible solutions to the aflatoxins and food safety.

In the long run, after contributing to the expansion of water safety awareness and procedures, I would like to occupy a senior management position of international business development area of such as pharmaceutical company.

In the next 5 years I want to implement a business plan for the expansion and development of my food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply project. The objective will be to prepare business models targeted to different prospects [potential customers such as pharmaceutical industries, supply, water safety, hospitals, clinics and other health segments] by studying the Governing Laws, by surveying different business opportunities in the segment and profiles of the specific companies.

Global Green and Healthy Hospitals São Paulo, SP, Brazil

Researcher Pharmaceutical of Environmental Management Pharmacist Marc. 2015 – At moment

A project of HCWH Health Care Without Harm Global (incidence of drugs in Water).

The PhD allowed me to develop a fully focused research in my area of interest. Through the program, I also accomplished to have international experiences, exchange in the UK and one in Denmark. My successful thesis took me to Healthy Hospitals Project on Global Green and Healthy Hospitals in São Paulo, which my objective is to develop, along with the pharmaceutical, after the INNOVATION AND VALORISATION RESEARCHER AND PROJECT MANAGER 2017, the management of the green chain of pharmaceutical supplies.

The multinational and multicultural environment **community** will expose me to, absorb and learn to deal with the diversity of the current world. My background in pharmacy, my 10 years of academic career, as well as my experience as a pharmaceutical and responsible technical leverage my skills and make me a great candidate for the **community** 2018. As evidenced by my professional and academic career so far, I am committed and dedicated to everything I do. I will be an invaluable Associate professor within bedrock geology, to its great innovative and sustainable power that keeps the tradition of INNOVATION AND VALORISATION RESEARCHER AND PROJECT MANAGER 2018.

In the future, my wish is to continue in the post **project** in the area of sustainability.

Questions

1. Please provide a brief description of your duties in this position.
2. Reason for Leaving

1 EACH

As a university teacher in the course Engineers, I have given classes on “Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials — Principles of Management” and Sustainability in the environmental management course of USP.

I highlight that, throughout the entire period, I have shown responsibility, professionalism and technical qualifications which met the university’s expectations, and I have overcome the obstacles presented during such.

I have engaged in the following activities:

- Contacting and scheduling the participation of guests in classes.
- Contacting and scheduling the Multimedia team to record and document the educational daily activities proposed in-class.
Helping students to conduct and organize daily educational activities.
- Conducting activities and discussions with small students’ groups.
- Offering guidance to students on the conducted activities and on the evaluation process.
- Correction of activities.

In the context of these activities, I benefited from the services provided by USP, using fully equipped, modern and up-to-date labs, which were always available to me and my students, thus allowing us to enrich my scientific knowledge and to pass on to my classes a wider set of technical and scientific up-to-date knowledge.

2 I have signed a job contract for a period of 8 months at EACH. It has been a fantastic experience to see the progress of the students whom have shown strong points, such as boldness, altruism, leadership, dynamism and a tremendous potential to face the labor market in the field of sustainability management and administration.

1 CETESB 250

I have come to know CETES in 2013 when I was taking my PhD course. I have been with my supervisor at the laboratory, under his guidance and I have developed my routine and research activities. Soon, we participated in a meeting with the laboratory’s director to discuss the development of a specific analytical part of my thesis.

As a pharmacist and a scientist, I have approached the purposes of my scientific work in the environmental evaluation in different cooperative operations of recyclable materials in the city of São Paulo, and I have shown an advanced knowledge about this research of Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials. During my explanation, I have highlighted the difficulty in finding a laboratory that determined the existence of metals in air and soil samples – contaminants to which the waste collectors in this type of places may be exposed to.

They have clarified that all the analytical methodologies used in the laboratory are validated before being put into practice, and, besides, they had not worked with this kind of product. I have shown strong commitment in continuously explaining what was taking place in a cooperative operation of recyclables, the way and the means by which the air was collected, and the exposure of the workers to metals. This entailed a great deal of knowledge that I have acquired. Throughout the contact, I stayed full-time at the lab and I felt very motivated to develop the work.

2 I have performed monitoring activities related to air and dust collection so to evaluate the occupational exposure, and its nefarious effects to human health, to metals in the studied cooperative operations, which has consequently closed the collected exams. This was what caused the end of my full-time work as a pharmacist and toxicology analyst in the CETESB.

IAL

1 As a PhD student, I have known the IAL in 2014. My supervisor introduced me to the group of researchers in the inorganic chemistry laboratory, a point from which many new and challenging activities started. In this activity: Food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply.

I was made aware that all the analytical methodologies employed in the lab are validated prior to being put into practice, and that, up until that moment, they had not worked with Hg analysis in an occupational environment, such as the cooperative operations of recyclables about this research Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials Supply.

Therefore, in which concerns the validation of the analytical method for the determination of mercury in the WATER, this has been a complex work, with many obstacles which were faced and had to be overcome daily at the lab. This work lasted for the entire period at the laboratory.

Once the analytical method validation was conquered – where parameters were established according to the officially determined rules –, I was faced with another challenge that I also had to overcome: exams of the different samples collected in different points of each cooperative operation were being studied. Once again, the laboratory work was hard, involving undertaking lab trials that took all day.

After collecting the results, a third stage, equally important, would follow, pertaining to the analysis of the obtained results. The classification as to the collection places, aligned with the possible contamination of the exposed worker, have been very well explained at the end.

Throughout the whole time, I always presented myself with an unrelenting attitude of determination. My energy indicated that we should always work to overcome each and every obstacle. In the end, the reward was successfully reached.

2

IAL My excellent reference was in determining the mercury in the WATER, but my thesis is far larger than that this activity because it works with food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply. During the entire period in the lab, I was accompanied by extraordinary people, with all of us working together, and whom have shown a great sympathy for my analysis work. This stage lasted for about four months.

Santa Marcelina

1 In 2010, when I went to live in São Paulo, I was collaborating with social projects in a group of Catholic professionals. I assisted homeless people, so they could have access to better food and hygiene conditions. A pharmacist friend worked in the eastern zone of São Paulo region which was the one that was more in need of assistance and care and was coordinated by the sisters of the congregation of Santa Marcelina. I was then hired to work as a teacher in the nutrition, pharmacist and engineers course, due to my research on my master's degree about Food security, sustainable agriculture and molecular biology, waste medicines, toxicology, maritime and inland safety water research and the supply.

This has been a fantastic experience. Throughout this period, I gave classes to engineering students in a less privileged region and I was fortunate enough to engage in many and very fruitful shared experiences.

From the beginning, along with the academic activities that I had as a teacher and researcher at Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials, I was also invited to coordinate a religious group, in which I offered 20 minutes guidance to the university students.

2 Received an interesting proposal at the Centro Universitário São Camilo (SP).

PUC - Pontifícia Universidade Católica do Paraná (PUC)

1 During my master's degree, I was invited to take part in the selective process for Professors at PUC-PR Maringá Campus. My first class about safety water for pharmacists, nutrition and engineering students in 2008.

I was hired to work in the night shift, giving microbiology classes, since my scientific knowledge was based on my work in the microbiology laboratory dealing with the growth and identification of the microflora of fungi in water safety.

This was a new and fantastic experience, as I was for the first time working as a professor and researcher. In this period, I tutored and supervised PUC university students who presented their scientific works in a booth stand in the Expoinga.

Another great opportunity was the fact that I have been part of the examiners board of graduation works in the courses of nutrition, pharmacy and engineering.

2 While concluding the master's degree at UEM, I contacted the ICB/USP supervisor whom I had met at a congress in Rio de Janeiro in 2008, and I was then invited to continue my studies taking a PhD course at USP at research at Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials supply. For this reason, I moved to São Paulo and started my PhD classes.

FARMACENTER

In 2006, I was accepted as a special student to take some credits in the master's degree course to be eventually accepted as a regular student in 2007. I had no master's scholarship. So, I applied to Pharmacists positions at local drugstores and received an offer from Farmacenter.

In order to carry on with my master's degree activities and with the permission of the post-graduate program and my supervisor, I stayed in the toxicology laboratory and undertook academic activities in the morning period and worked as a pharmacist and technical responsible of the Farmacenter drugstore between 1p.m. and 11p.m. This was the full-time work schedule of any pharmacist, which also included weekend shifts.

I took on, with my utmost dedication and responsibility, the activities that were assigned to me, such as: customer service, quality in customer service, taking customers' blood pressure, organizational process, stock/inventory, cleaning, sanitation, delivery of requested medicines, standardization of stocks, administration of controlled medicines, and techniques of injectable solutions administration.

I was in charge of the counter clerks, perfumes salespeople and cashiers. These were intense years of varied learning and team management, which lead to an increase of the company's profits, a higher rate of customer loyalty, and a decrease in discounts.

2

Since my priority is my career as a scientist and entrepreneur, I was invited to take my PhD course by the University of São Paulo

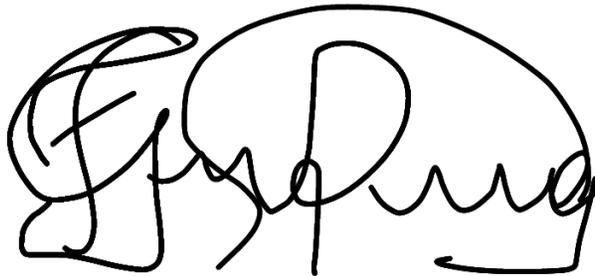
Carvalho & Coelho

1 This was my first full-time job as a pharmacist and technical responsible. I was 20 years old, and was the first in my class who got a job as a pharmacist in a drugstore in the same month of the graduation.

What distinguishes me is the fundamental quality in customer service, in taking the blood pressure of senior people, in handling organizational processes, organizing controlled medicine stocks, supervising the cleaning of the establishment and overseeing its sanitation, managing the team and administering injectable solutions. I excelled in providing assistance when administering injectable solutions to children –There was an intense period of maturing and personal growth, as much as professional – and salary-wise, as well. Today, I am the first woman in my city who has obtained a doctorate degree, and I am a positive reference in the place where I started my entire trajectory as a pharmacist and entrepreneur.

2 As my ambition to become a scientist grew each day, I decided to leave the pharmacy and moved out of town to become a special master's degree student in Health Sciences at Maringá State University.

Sincerely:

A handwritten signature in black ink, appearing to read 'Gisele', written in a cursive style.

GISELE FERREIRA DE SOUZA PhD
University of São Paulo (USP)-
Medical School São Paulo, SP- Brazil Email: semfungos@gmail.com

Personal details

Title(s), initial(s), first name, surname:
PhD, GFS, Gisele Ferreira de, Souza

4b. Master's degree ('doctoraal')

University/College of Higher Education: Universidade Estadual de Maringá (UEM) Maringa-Brazil

Date (dd/mm/yy): (23/02/2010)

Main subject: "Assessment and mycoflora aflatoxins production, harvesting and storage of peanuts in a property in northwest of the state of Paraná."

4c. Doctorate

University/College of Higher Education:

University of São Paulo (USP)- Medical School São Paulo, SP- Brazil July 2011-March 2015

PhD in Science Health, School of Medicine, Graduate Program in Science,
concentration area: Preventive Medicine Starting date (14/07/2011):

Date of PhD award): 12-03-2015

Supervisor ('Promotor'): Prof PhD Nelson da Cruz Gouveia

Thesis title: Environmental assessment in the cooperatives of recyclable materials

4d. Work experience since completing your PhD

Position	Period (date-date)	FTE	Type of position (fixed term/ permanent/ tenure track/ other)	Institution
Professor Teacher hired to teach undergraduate biochemistry students Pharmacy coursework.	Feb.2011 – at moment	Fixed	Teacher hired to teach undergraduate biochemistry students Pharmacy coursework	São Camilo University Center (CUSC)
Researcher Pharmaceutical at Global Green and Healthy Hospitals Sao Paulo, SP, Brazil	Marc. 2015 – At moment	Fixed	Researcher Pharmaceutical of Environmental Management Pharmacist A project of HCWH Health Care Without Harm Global (incidence of drugs in Water)	HCWH Health Care Without Harm Global (incidence of drugs in Water)

Researcher Pharmaceutical at SemFungos-Ceo and Founder Sao Paulo, SP, Brazil	Mar.2015– Present	Fixed	Link: www.semfungos.com.br Led consulting research projects that promoted food safety to improve health of people that are consuming Peanuts, corn, nuts, rice, Brazil nut, pistachio, dried fruits, others(incidence of drugs in Water)	SemFungos Link: www.semfungos.com.br
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Months spent since completing your PhD
(Please also include the calculation. For more information, see Explanatory Notes)

Experience	Number of months
Research activities	24
Education	20
Care or sick leave	0
Management tasks	21
Others (please specify):	

4e. Academic staff supervised

	Give names or numbers	Please indicate with "x" whether your role was/is a formal/informal one and briefly clarify your precise role in the column to the very right.		
PhDs		Formal role	Informal role	Clarification
Ongoing	1	X	x	Supervision
Successfully completed	1	X	2	Professor Supervision
Subtotal PhDs	1	1	2	Professor supervision
Postdocs				
	0	Specify your role		
Subtotal postdocs	0			
Master students				
Subtotal master students	5	Professor and supervisor		
Other				
Subtotal other	5	Professor and supervisor		

4f. Brief summary of your research over the last five years
(Max. 250 words)

As a university teacher, I have given classes on "Principles of Management" and Sustainability in the environmental management course of Pharmacist at São Camilo University Center.

I have engaged in the following activities:

- Contacting and scheduling the participation of guests in classes.
- Contacting and scheduling the Multimedia team to record and document the educational daily activities proposed at class room.

- Helping students to conduct and organize daily educational activities.
- Conducting activities and discussions with small groups of students.
- Offering guidance to students on the conducted activities and on the evaluation process.
- Correction of activities.

My most powerful forces are persistence and patience. Those were fundamental characteristics throughout my academic and professional life and were essential to overcome the challenge of doing research in Brazil and develop projects in the areas of food safety and sustainability. The latter culminated in my current project- , SemFungos (@semfungos) in which I led consulting projects that promoted food safety to improve health of people that are consuming Peanuts, corn, nuts, rice, Brazil nut, pistachio, dried fruits, others.

The PhD allowed me to develop a fully focused research in my area of interest. Through the program, also I won another old dream, I had two international experiences, exchange in the UK and one in Denmark. My successful thesis took me to Healthy Hospitals Project on Global Green and Healthy Hospitals in Sao Paulo, which is my objective to develop along with the pharmaceutical, after the Program, the management of the green chain of pharmaceutical supplies.

4g. International activities

I am demanding mother daughter and ambitious father, my vocation to be pharmacist was soon developed in early childhood, playing for the injections in my dolls to express my pain and anguish by taking numerous shots.

The passion for entrepreneurship and sustainability came to 16 years after winning the Cooperative School award. At age 20, before graduation in pharmacy, was the first class to be hired as a pharmacist in charge. Another great achievement.

The experience of 10 years as Pharmaceutical allowed me to develop complementary skills to technical knowledge of pharmacy, such as people management, sales management, teamwork, inventory management etc. However, my thirst for knowledge only increased and I knew that to become a specialist in my field of expertise, needed to continue my studies.

Thus, the master in the food toxicology area led to the development of the dissertation related to the quality of peanuts, which is competing in sustainable innovation category to participate in an MIT program, called The Comprehensive Initiative on Technology Evaluation (CITE) MIT .

The PhD allowed me to develop a fully focused research in my area of interest. Through the program, also I won another old dream, I had two international experiences, exchange in the UK and one in Denmark. My successful thesis took me to Healthy Hospitals Project on Global Green and Healthy Hospitals in Sao Paulo, which is my objective to develop along with the pharmaceutical, after the Program 2018, the management of the green chain of pharmaceutical supplies.

The multinational and multicultural environment Program will expose me, absorb and learn to deal with the diversity of the current world. My background in pharmacy, my academic career, in addition to my 10 years of experience as a pharmaceutical and responsible technical leverage my skills and make me a great candidate for the Program. As evidenced by my professional and academic career so far, I am committed and dedicated to everything I do. Will be invaluable student Program 2018 devio to its great innovative and sustainable power that keeps the tradition of Program.

4h. Other academic activities

1. Please provide a brief description of your duties in this position

Additional working experience at moment Professor at the Centro Universitário São Camilo:
Centro Universitário São Camilo (CUSC)

It was with satisfaction that I was introduced as a university teacher, through a letter of recommendation of my supervisor during my master's degree, and that I took the position of Professor. During the entire period as a biochemistry Professor, I took part in the projects undertaken by the undergraduate students in the pharmacy course that were under my responsibility.

Over the course of my experiences, I was able to notice my evolution as an academic teacher, considering how much I have matured, both specifically in the class room, and as to the educational and general issues aspects. I have acted skillfully in the execution of experiments and analysis of results. I have shown the necessary theoretical grounds for the sufficient discussion of the produced data. I was clear and objective, when writing my ideas and I have shown that I mastered the English language.

In this activity, I have shown technical skills, scientific reasoning, patience, discipline, responsibility and also very good relationships in the context of team work. I have been continuously and constantly stating my will to move forward in deepening my scientific knowledge and developing my university teaching work.

I am truly a teacher with proven technical experiences, along with maturity displayed in handling the peculiarities of research work allowing the expansion of Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials project .

My full-time contract pertain to the classes of the university graduation students for the special class in the biochemistry subject. Thus and so I dedicat myself exclusively to toxicological analysis and to the environmental evaluation in cooperative operations of recyclable materials in São

Paulo allowing the expansion of Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials project.

As a university teacher, I have given classes on "Principles of Management" and Sustainability in the environmental management course of USP.

I highlight that, throughout the entire period, I have shown responsibility, professionalism and technical qualifications which met the university's expectations, and I have overcome the obstacles presented during the period.

I have engaged in the following activities:

- Contacting and scheduling the participation of guests in classes.
- Contacting and scheduling the Multimedia team to record and document the educational daily activities proposed in the class room.
- Helping students to conduct and organize daily educational activities.
- Conducting activities and discussions with small groups of students.
- Offering guidance to students on the conducted activities and on the evaluation process.
- Correction of activities.

In the context of these activities, I benefited from the services provided by USP, using equipped, modern and up-to-date labs, which were always available to me and my students, thus allowing us to enrich my scientific knowledge and to pass on to my classes a wider set of technical and scientific up-to-date knowledge.

University Center

It was with satisfaction that I was introduced as a university teacher, through a letter of recommendation of my supervisor during my master's degree, and that I took the position of Professor. During the entire period as a biochemistry Professor, I took part in the projects undertaken by the undergraduate students in the pharmacy course that were under my responsibility.

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I am truly a teacher with proven technical experiences, along with maturity displayed in handling the peculiarities of research work.

Santa Marcelina University

1. Please provide a brief description of your duties in this position

1 In 2010, when I went to live in São Paulo, I was collaborating with social projects in a group of Catholic professionals. I assisted homeless people, seeking to help them have access to better food and hygiene conditions. A pharmacist friend worked in the eastern zone of São Paulo region which was the one that was more in need of assistance and care and was coordinated by the sisters of the congregation of Santa Marcelina. I was then hired to work as a teacher in the nutrition course, due to my research on my master's degree about micro toxins in food.

This has been a fantastic experience. Throughout this period, I gave classes to students in a less privileged region and I was fortunate enough to be able to engage in many and very fruitful shared experiences.

From the beginning, along with the academic activities that I had as a teacher and researcher, I was also invited to coordinate a religious group, in which I offered 20 minute guidance to the university students.

4i. Scholarships, grants and prizes

Please list the research scholarships/grants for which you have successfully applied as formal applicant or formal co-applicant and/or prizes that you have won, include a link to the grant/prize/project website and indicate the amount of money involved.

*In case of a consortium grant please specify the amount allocated for your own group or lab.

Scholarship/Grant/ Prize Formal applicant	Amount in euros	*	Year of award
...: Coordination of the Improvement of Higher Level Personnel (Capes) Brazil	...120.000,00	...USP	...2011
... University of Copenhagen, Department of Food and Resource Economics, Copenhagen, Denmark	...50.000,00	... Copenhagen, Denmark	...2015
Scholarship/Grant/Prize Formal co-applicant			
... PPSUS (Research Program for the SUS) Brazil	...70.000,00	... PPSUS (Research	...2014

		Program for the SUS)	
... Participated in the project- The Comprehensive Initiative on Technology Evaluation at Massachussets Institute of Technology. US	...50.000,00	... Participated in the project- The Comprehensive Initiative on Technology Evaluation at Massachussets Institute of Technology	...2016

5a. Output indicators

Please identify the most important output indicators in your field.

My post-Program 2018 plan is to expand the Healthy Hospital project in partnership with major international pharmaceutical companies, such as Sanofi, Johnson & Johnson etc. Therefore, my skills after Program 2018 is to win a consultant position in the area of sustainability in the pharmaceutical supply department of a multinational pharmaceutical company, which can implement the project Healthy Hospital.

Sustainable entrepreneurship attracts me and fascinates me. , In healthy hospital project in the Global Green and Healthy Hospitals, performance a leading role, working with allies and partners around the world to mobilize health care and address climate change as a multifaceted problem that currently experiencing a growing situation of " health emergency, "as well as the" greatest threat to health "and" greatest opportunity in the 21st century health.

The results of my field research on the pharmaceutical waste supplies will be explored along with the Program 2018 community, together we plan strategies and discuss plausible solutions to the disposal of pharmaceutical waste is done effectively and without prejudice to the people in my country and in countries where there is no legislation for the sustainable and proper disposal of waste medicines.

My goal will be to support the pharmaceutical industry that has faced major challenges in recent years, as the ineffectiveness of the sales force and pricing pressures from health payers.

In the long run, after contributing to the expansion of the project of a chain of more sustainable supplies, I would like to occupy the senior management position of international business development, with my vision on the development of pharmaceutical markets.

5b. Top publications (Max. five)

Please motivate your selection.

My most powerful force is persistence and patience. Fundamental characteristics throughout my academic and professional life, I overcame the challenge of doing research in Brazil to develop projects that have always believed in the areas of safe food and sustainability. The latter culminated in the project Healthy Hospital.

To be able to complete my Master degree and bear all costs, given the lack of scholarship, additional work responsibly and pharmaceutical technical studies. I lived away from my family. Overcome the difficulties, I was persistent and patient and even audacious, when invited professor at the University of São Paulo (USP) reference in the area of mycotoxins in the country, to be part of my bankroll Masters, the first time that this occurred in State University of Maringá, in Health Sciences program.

As a reward to my persistence, my focus and determination, the call came to realize the doctorate at USP with full scholarship.

In doctoral research, I faced the challenge of working with recyclable materials cooperatives, a new world in a megalopolis like São Paulo. Every the effort paid off when I won scholarships to study for a doctorate in Denmark and England, experiences fundamental to my professional training and also on a personal level, and I completed my thesis, which ended up as featured in the USP research portal.

Publications: Bibliographical production Full importants papers published in journals

- Publications: Bibliographical production Full papers published in journals
- Gisele Ferreira De Souza & Dr. Ben Slama Sami. "WASTE PHARMACEUTICAL AND GREEN PHARMACEUTICAL SUPPLY CHAIN (GPSC)". ASIA LIFE SCIENCES
- The Asian International Journal of Life Sciences. ISSN 0117-3375. ASIA LIFE SCIENCES 24(1): 111-125, 2018. Technical Paper scientific published in international journals indexed in JCR.
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- Gisele Ferreira De Souza & Dr. BEN SLAMA Sami. "WASTE PHARMACEUTICAL POTENTIAL ENVIRONMENTAL RISKS". ASIA LIFE SCIENCES The Asian International Journal of Life Sciences. ISSN 0117-3375 ASIA LIFE SCIENCES 25(1): 111-125, 2018. Technical Paper scientific published in international journals indexed in JCR.
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My referees:

1 [title/institution and email]
Professor Moacyr Mertucci

Martucci is also the Brazilian National Contact Point in Program Horizon 2020 and the NCP in the program ideas to ERC (European Research Council) to European Commission . He was coordinator of Textile and Fashion Course on Arts, Sciences and humanities School of Universidade de São Paulo, and also former Coordinator of the research activities and president of the Institutional Relationship Committee of the same school, participates in the Brazil-EU group within the Action "5G and the Future of Mobile telecommunications in Brazil and Europe" at the Ministry of Communications and Ministry of Planning in Dialogue Sector BR-EU.

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Phd Geneviève Roy-Lemieux

University of Paris Nanterre, France

Email: genevieveroylemieuxf@gmail.com

Honours:

1995 - Cooperative School award (at 16). Health Research.

Awards:

1999- At the age of 20, even before graduating in Pharmacy, I was the first in class to be hired as a pharmacist in charge of a drugstore. Another great achievement

2015 - PhD - USP University of São Paulo - FMUSP Medical School. Pharmacist. Research Fungi in food and indoor.

2015 - Master in Science, Universidade de Maringá, Paraná, Brazil. which ended up featured in the Copywriter at Caos Focado, expertise in startups, writing articles regarding innovation, sustainability and entrepreneurship. <http://caosfocado.com.br/curadoria/o-amendoim-e-a-analise-toxicologica-e-microbiologica-no-que-se-refere-se-a-contaminacao-do-produto-por-aflatoxina/>

2015 - I am the first woman to receive a doctorate degree in my home town with forty thousand inhabitants in the Santo Antônio da Platina- Paraná - Brazil, this is a remarkable title that brings me a lot of challenges.

2016 - Participated in the project (CITE) The Comprehensive Initiative on Technology Evaluation at Massachusetts Institute of Technology in June of 2016, presenting the project Post Harvest Management Technologies for reducing Aflatoxins Contamination in peanuts grain

2017 - My publications reached 1900 reads at the Researchgate
https://www.researchgate.net/profile/Gisele_Souza5/stats

2018- I received this invited: "Dear Dr Gisele Ferreira de Souza, on behalf of the organizing committee of ICCMIT'18 " which will be held in MADRID, SPAIN, 2018

Press Coverage:

2017 - My thesis in the Journal of USP

<http://jornal.usp.br/ciencias/ciencias-da-saude/excesso-de-fungos-em-lixo-reciclavel-coloca-em-risco-saude-de-catadores/>

2017- @SemFungos -Ceo and Founder

2016 My thesis in the AUN USP <http://www.usp.br/aun/antigo/exibir?id=7630&ed=1327&f=7>

2018- I received this invited: "Dear Dr Gisele Ferreira de Souza, on behalf of the organizing committee of ICCMIT'18 " which will be held in MADRID, SPAIN, 2018

Personal details

Title(s), initial(s), first name, surname:

PhD, GFS, Gisele Ferreira de, Souza

My name is Gisele Ferreira de Souza. I am a Brazilian researcher and actually employee at São Camilo University Center (CUSC) Department of Chemistry, in São Camilo University Center (CUSC) for Pharmaceutical Sciences of the Department of Pharmacy. I have interest in appliance on your application because of my recent researchers. Actually, I am working with water and the its pollution, and your application could offer me a great opportunity to do an excellent progression for both of us.

I have experience on Pharmaceutical field because I have worked for 10 years with it, and it allowed me to develop complementary skills to technical knowledge of pharmacy, such as people management, sales management, teamwork and inventory management, for example. However, my thirst for knowledge only increased and I knew that if I want to become a specialist in my field of expertise, I need to continue my studies and researches.

The PhD allowed me to develop a fully focused research in my area of interest. Through the program, I also also get another old dream. I had two international experiences, an exchange in the UK and other one on Denmark. My successful thesis took me to Healthy Hospitals Project on Global Green and Healthy Hospitals in São Paulo, which my objective is to develop along with the pharmaceutical work, as Professor in Industrial Microbial Technology for Drinking Water and Waste Water .

The actual project I am working is the Exploration of the Artificial Intelligence technology for studies drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials, and it is about analysis of an emerging problem and plausible actions.

As being, the first woman in my native town of forty thousand habitants to receive a Doctorates degree is something extraordinary. I face many challenges, being one of them gender inequality and the pressure that is put upon women to become wives then mothers just to please family and friends. These impositions act upon me as anchors trying to drown me to the bottom of the ocean without leaving me the chance to rise up to the surface. Another great challenge I face is society's mediocrity that tries to compete and occupy certain positions, although people who fit these standards are not examples or models because, unfortunately, some pass and let others behind. I believe in satisfying my pleasures.

My happiness for the truths I believe and the causes I fight for grant my intense gratification. The taste of victory help me get results, due to great mentors that supported me and believed in my potential. I'm always the underdog and always get what is best for me ever since my adolescence.

My potential has not been reached yet, so I hunger knowledge, challenges and the fulfilment of the objectives I pursue. I will quit on my restlessness the day I get to my climax, but there won't be a downfall because the higher you seek, the higher you shall get. The day I truly stop, will be the day my mission-projects found in social, environmental and sustainable- are being fulfilled and done for the greater good.

My life's story as a pharmacist and entrepreneur has brought me traced objectives due to my leadership is the manifestation of my victory. This crowns me real elements and paths to get my goal in being a scientist and pharmacist with pride to involve myself in healthcare, as well as sustainability. I have spent many hours in recycling centers and participated in many social projects in which has brought me exceptional conquests and life experience. These events sharpened my calling and my entrepreneurship have molded my thoughts to innovate and act like an entrepreneur. This has brought me to believe in a sustainable pharmacy, free of chemical substances and to create organic products that act as phytotherapy treatments.

This is what differentiates me because I believe in the decrease of harmful chemical substances that most remedies possess. Through my experience in recycling centers, these chemical residues from certain pharmaceuticals were found in the trash and are being thrown in trash dumps. They later contaminate our soil and water, as well as the workers who clean out the recycled trash, which can cause intense muscle pain. I am the living truth that in spite of our contaminated environment I am able to identify these aspects and try to recuperate what has been lost. To actually have this sustainable vision makes me go beyond what others believe is unreachable. As a Brazilian, an experienced adult and a scientist lead me to my success in my professional, personal and social fields.

The passion I have for sustainable entrepreneurship attracts me and fascinates me, supposedly in the next Immediate first years (from 1 to 5 years), the implementation of the proposal will be held to carry out the business plan for sustainable reverse logistics drugs. The objective will be to prepare business models targeted to different prospects (potential customers such as pharmaceuticals, hospitals, clinics and other health segments) by studying the Governing Law, the survey of business opportunities in the segment and profiles of companies [and their direct contacts] who are more able and directed to receive this type of service proposed. The business opportunity will be held with the description of the insight and business concept of opportunity detection.

I position myself with a proposal that will elaborate different types of services that will be offered to companies by detecting opportunities through analyzing strong areas and satisfactory situations in the market, based on acting legislation and with the idea of a sustainable business. There will be a lift up of data to show aspects of potential clients, following the study of the possible main clients and contact them with strategies their company could take. This partnership built has its goal to raise profits in the company practicing these ideas and strategically align this business to support education on Reverse

Logistics of sustainable Pharmaceuticals. Summarizing myself the main concept is to find innovative and sustainable ideas for companies to be “clean”, though still bringing in a profit for acting and thinking this way. This will all be done with analyzing the market that surrounds us as well as the company’s profiles.

In the future, the development of prospecting material is required and shaped by material models for business plan presentation to the different potential customer profiles detected in pointing prospects, in order to facilitate communication and increase the prospects acceptance rate. Consecutively after the business plan of the study will then elaborate the final presentation of the work in dynamic, attractive and targeted to the final customer format as a means of sustainable actions and practices to reduce the amount of pharmaceutical pollutants erroneously dismissed in the environment for awareness to continue. The arrival of these pharmaceutical wastes in inappropriate places as in recyclable material cooperatives in Sao Paulo, where they were separated, quantified, weighed and separated by therapeutic classes in three cooperatives. It was quantified on average 4kg of improperly discarded drug residues in recyclable material cooperatives in a period of one week during three years of scientific research. The community international in 2018 will help me explore and eradicate pharmaceutical waste. Together we plan strategies and discuss plausible solutions for such serious problems may be prevented from happening in the future in my country and in countries where there is no current legislation for sustainable and proper disposal of waste medicines such as Brazil and present these solutions to the prosecutor.

As a visionary pharmacist and I hunger for sustainable technologic innovation in the pharmaceutical field, as well as pharmaceutical waste that is dumped by society in a erroneous form are my pillars to act as a leader and a good health administrator so that this waste doesn’t continue on contaminating our water, soil, sanitary dumps and recycling centers. I have acted in these centers separating, identified and weighed medical waste found in these recycling warehouses in Sao Paulo, Brazil and found if some of the workers were exposed to these harmful substances. This waste comes from the disuse or the upcoming of expiration dates of these remedies and are thrown away with recycled trash.

There were a great number of anti-inflammatory pharmaceuticals dumped, in which increased in 50% the potential risk to the health of these employees. In the biosecurity scope, we need to inform our population and train garbage collectors to separate these pharmaceutical residues because there are toxic chemical substances contained in them.

About the medical residues discarded and sent to the centers studied, I was worried the employees utilized these products for two reasons. First is auto medication, which is always a risk to health. Second reason is the remedies have their expiration date expired as well as the packaging may be violated. There is still the risk of such waste contaminate the soil and water when deposited in landfill. IN an assembly I presented the findings and acted on individual awareness so that this group of people no longer act ingesting drug residues.

My desire is to demonstrate sustainable solutions to improve the management of pharmaceutical waste market by drugstores, clinics and especially get to the pharmaceutical industry by reducing the costs presented by the waste of these pharmaceutical residues with sustainable implementations of concrete and innovative actions such as use of technology for the reduction of these pharmaceutical residues. My forces were assigned in the prevention of population health because chemical residues should arouse attention because of its high potential for contamination of soil, air and water.

Among these, pharmaceuticals and personal care products can be released widely over long periods, at low concentrations, and through various paths to the environment. Unlike batteries, paper, aluminum, tires, glass, electronics, oil and other waste that can be recycled, pharmaceutical waste has been a global concern because of its potential for contamination when disposed of improperly. The effects on human health and the environment are not well understood. Waste pharmaceuticals and personal care products are widely released in through various pathways environment. The effects on the environment have potentially important implications for human health and ecosystems. As a leader, I consider important to draw attention to the problem of disposal of drugs, since the self-employed or cooperative pickers handle this type of waste in their daily work.

Scientific research that had the initial goals to visit the recyclable material cooperatives in São Paulo and the general objective of evaluating the environmental health conditions in recyclable material.

At first, I had three specific objectives outlined and approved to perform the analysis in the field. Necessarily evaluated occupational exposure to indoor air fungi and the predominant species of fungus recyclables unions of São Paulo; checked occupational exposure to metals in recyclable material cooperatives of São Paulo, by means of air analysis of the work environment; and identified the metals present in particulate matter deposited in the soil of recyclable material cooperatives of São Paulo.

Although drug residues are not the proposed subject matter, I consider important to draw attention to the problem of drug disposal, since the self-employed or cooperative pickers handle this type of waste in their daily work. Even contradicted found the strength to ever expected findings and of paramount importance in this work environment. As the Technical Report issued by the Environmental Company of the State of São Paulo where he weighed the samples collected in cooperatives, which were analyzed in the hygiene sector, safety and medicine work detected the presence of radioactive counting two heavy samples in the laboratory-derived cooperatives. Immediately I was warned and meetings with the control group among them technicians of laboratories, physicists, chemists and researchers have reported, we conducted countless meetings and returned to the same premises where I had done the first sampling and this time it was not detected.

This is one more factor in the health risk to collectors, already vulnerable. The cooperative's facilities can also aggravate this risk. If the environment is closed, it can compromise air quality, with accumulation of fungi, bacteria and metals. If opened, there remains the risk of accidents with pieces of glass and sharp objects such as pharmaceuticals and medical waste.

The difficulty of comparing working conditions with the kind of recycled material constitutes problem in the assessment of the possible risks involved in the recycling process in Brazil, lacking more detailed studies on the subject. It notes that, unlike other categories of workers, it is not known exactly which contaminants such individuals are exposed because there is not an adequate characterization of the waste handled.



São Paulo, 2018. To Whom It May Concern

As a teacher at Centro Universitário São Camilo I am delighted to recommend you a stellar researcher, Professor Gisele Ferreira de Souza. My name is William Candido Nunes and I'm a Professor Tutor at this institution. I have known the candidate since May 2010 when she attended the postgraduate degree (PhD) at the Faculty of Medicine, University of São Paulo. We had participated a meeting with the laboratory director to discuss the development of a specific analytical part of his work.

In that occasion, Professor Gisele Ferreira de Souza enlightened us about the purpose of her scientific work University of Massachusetts Amherst **“Relevance of the incidence of drugs and EDCs (Endocrine Disrupting Chemicals) in Water and Biosynthetic Hybrid Materials Supply in São Paulo”** and she had shown an advanced knowledge of the progress of your study, at level of which only a pharmaceutical scientist could do. She was concerned about the difficulty faced in locating a laboratory to present the determination of drugs in water samples, which workers in these types of establishment may be exposed to this contaminant. It was also noted the progress made in your work goals and, after exchanges of importance for the analytical development, has been lined the study indicated, with many activities involving advanced level of mathematics, statistics and complex analytical calculations to perform your job. For seven years, she has been Professor Assistant in the courses of Pharmacist, Nutrition, and Engineering.

Professor Gisele has always shown a lot of commitment to continually explain what happened durant at Phd in a cooperative of recyclable material in Sao Paulo in 2011, the shape and the water sampling sites and worker exposure to metals and biological components and drugs. Her experience gained on the field of recyclable materials in cooperatives has been essential to my knowledge over our contact and work development, since this area was established as new, to the research group at the Centro Universitário São Camilo. All methodologies developed in the laboratory must be validated before being put into use and thus proposed a new analytical method validation for the determination of mercury in the air. This work was difficult and during the course there was many data in the laboratory analysis of inorganic contaminants.

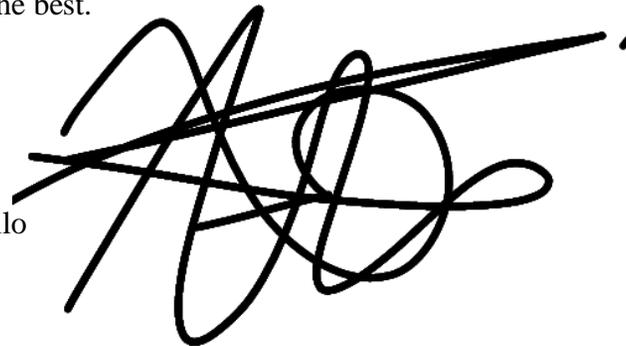
Passing through validation step of the analytical method, where the acceptance parameters in accordance with standards officially established, another step would arise for us to face together – analyzing the various samples taken from different points of each cooperative study. Once again, the laboratory work was hard with trials that lasted days. After collecting results, a third important step that would follow refers to the analysis of the results. Classify them into collection sites, aligned to possible contamination of the exposed worker was very well explained in the end, presented in her thesis in the report.

There are also noticeable highlights that she can perfect at international work. She is extremely competitive, and this is a characteristic that stands out for her. I consider Professor Gisele, as one of the most prominent Professors and pharmaceutical professionals who I had contact with in the laboratory working on research and innovation and applicability of the methodology. She is rigorous and knows how to follow procedures and schedules, design goals to increase her skills. With experience in profitable sales, she is careful about her personal, professional and academic achievements, just like she knows how to focus on the work and the research, and she has an aggregating profile. Let me say that I have no doubt she can adeptly meet the challenges you may propose to her because she has shown me repeatedly times that she is profoundly dedicated and responsible. Miss Souza, had two international experiences: in Denmark (2014) and UK (2013).

With her 10 years of brilliant experience as professor, pharmaceuticals, responsible and technical, these attributes all apply for someone to be added to University of Massachusetts Amherst application grids for supplying power to underwater vehicles , because she can develop and interact in such environment with competent professionals with higher skills too and proven professional experience just as she has shown all these years. I believe that it will be a precious personal, professional, great innovative and sustainable experience to her and to the foundation. Bright, dedicated and skilled, Professor Gisele Ferreira de Souza garners my unequivocal recommendation. She is ready and fully prepared to assume the duties of working abroad and she will certainly contribute to your program. I am delighted to recommend her and wish her all the best.

Respectfully submitted,

William Candido Nunes Tutor em Ensino á Distância - Centro Universitário São Camilo
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Universidade Estadual de Maringa, Parana, Brasi

ΠΡΟΣ:

Το Πανεπιστήμιο

Αξιότιμοι κύριοι,

Ονομάζομαι Gisele Ferreira de Souza και κατάγομαι από τη Βραζιλία.

Είμαι στη διαδικασία υποβολής αίτησης για την απόκτηση ευρωπαϊκής υπηκοότητας, καθώς ο προπάππος μου ήταν Ιταλός υπήκοος της Καλαβρίας, ο οποίος κατά τον Δεύτερο Παγκόσμιο Πόλεμο ήρθε στην περιοχή του Minas Gerais στη Βραζιλία και ως εκ τούτου έχω το δικαίωμα να υποβάλω αίτηση για ευρωπαϊκή υπηκοότητα.

Υπήρξα ερευνητής και στην πραγματικότητα υπάλληλος στο Τμήμα Χημείας, στο Πανεπιστημιακό Κέντρο São Camilo (CUSC) για τις Φαρμακευτικές Επιστήμες του Τμήματος Φαρμακευτικής. Ενδιαφέρομαι έντονα για την υποβολή αίτησης, λόγω των πρόσφατων ερευνών μου στον τομέα της Μαιευτικής και Γυναικολογίας του Ιατρικού Τμήματος της CUSC στην πόλη του Σάο Πάολο. Έχω εργαστεί από το 2015 στο νοσοκομείο Global Green and Healthy Hospitals São Paulo, SP, Βραζιλία ως Ερευνητής Φαρμακευτικής της Περιβαλλοντικής Διαχείρισης Pharmacist. Ένα έργο της HCWH Health Care Without Harm Global (επίπτωση ναρκωτικών στο νερό), αφορά έγκυες γυναίκες με καρκίνο στο χειρουργικό τμήμα. Στην πραγματικότητα, ενασχολούμαι με το νερό και τη ρύπανσή του. Το έργο σε συνεργασία με μία μεγάλη και εξαιρετική ομάδα είναι μια μεγάλη ευκαιρία να κάνουμε όλοι εξαιρετική πρόοδο.

Διαθέτω μεγάλη εμπειρία στο πεδίο του Φαρμακευτικού τομέα εδώ και 10 χρόνια, η οποία μου επέτρεψε να αναπτύξω συμπληρωματικές δεξιότητες στις τεχνικές γνώσεις της φαρμακοποιίας, όπως η διαχείριση των ανθρώπων, η διαχείριση πωλήσεων, η ομαδική εργασία και

η διαχείριση αποθεμάτων, για παράδειγμα. Ωστόσο, η δίψα μου για γνώση μόνο αυξήθηκε και ήξερα ότι αν θέλω να γίνω ειδικός στον τομέα της εμπειρογνωμοσύνης μου, πρέπει να συνεχίσω τις σπουδές μου και τις έρευνές μου.

Το διδακτορικό δίπλωμα μου επέτρεψε να αναπτύξω μια ολοκληρωμένη έρευνα στην περιοχή ενδιαφέροντος. Η επιτυχημένη εργασία μου στο διδακτορικό με οδήγησε στο Πρόγραμμα Υγιεινών Νοσοκομείων για τα Παγκόσμια Πράσινα και Υγιή Νοσοκομεία στο Σάο Πάολο. Στόχος μου είναι, Το Πανεπιστήμιο. Παράλληλα με την εργασία στο νοσοκομείο Global Green and Healthy Hospitals. São Paulo, SP, Βραζιλία ως ερευνητής φαρμακευτικής της περιβαλλοντικής διαχείρισης φαρμακοποιών.

Οι στόχοι αυτού του έργου είναι: να αποδειχθεί ότι η ποιότητα του νερού έχει σταδιακά υποβαθμιστεί από την αύξηση της ακατάλληλης διάθεσης χημικών παραγόντων από τον πληθυσμό μέσω του «εγχώριου φαρμακείου» του και η παρουσίαση λύσεων σε πιθανές περιβαλλοντικές και ανθρώπινες επιπτώσεις.

Αυτή η εφαρμογή, με το πολυεθνικό και πολυπολιτισμικό περιβάλλον, θα με βοηθήσει στο πως να μαθαίνω και να αντιμετωπίζω την ποικιλομορφία του σημερινού κόσμου.

Το ιστορικό μου στη φαρμακοβιομηχανία, η ακαδημαϊκή καριέρα μου, εκτός από την 10ετή πείρα μου με θέσεις ευθύνης στην φαρμακευτική και δεξιότητες, θεωρώ ότι με καθιστούν σπουδαία υποψήφιο για την θέση Καθηγητή στο Το Πανεπιστήμιο. Όπως αποδεικνύεται από την επαγγελματική και ακαδημαϊκή σταδιοδρομία μου μέχρι στιγμής, είμαι δεσμευμένη και αφοσιωμένη σε ό, τι κάνω. Πιστεύω ότι θα συμβάλω ιδιαίτερα θετικά στο καινοτόμο και πολύπλευρο έργο που διατηρεί την παράδοση του θεσμού σας.

Θα επιθυμούσα να επεκτείνω το έργο της HCWH Health Care Without Harm Global (συχνότητα εμφάνισης ναρκωτικών στο νερό), στην φαρμακευτική χειρουργική για τις έγκυες γυναίκες με καρκίνο. Το ενδιαφέρον μου είναι να επεκταθεί το έργο στον τομέα της βιωσιμότητας στο φαρμακευτικό τμήμα παροχής υπηρεσιών υγείας, το οποίο μπορεί να συσχετισθεί με υλοποίηση του έργου υδροδότησης. Η αειφόρος επιχειρηματικότητα με προσελκύει και με συναρπάζει. Στο πλαίσιο ενός υγιούς νοσοκομειακού προγράμματος στα παγκόσμια πράσινα και υγιή νοσοκομεία, η θα επιθυμούσα να έχω ένα πρωταγωνιστικό ρόλο και συνεργασία με συμμάχους και συνεργάτες σε όλο τον κόσμο για να κινητοποιηθεί η υγειονομική περίθαλψη και να αντιμετωπιστεί η κλιματική αλλαγή ως ένα πολύπλευρο πρόβλημα. Να αντιμετωπιστεί με μία αυξανόμενη κατάσταση «έκτακτης ανάγκης για την υγεία» καθώς και η "μεγαλύτερη απειλή για την υγεία" και "οι μεγαλύτερες ευκαιρίες στην υγεία του 21ου αιώνα.

Τα αποτελέσματα της έρευνάς μου σχετικά με την προμήθεια φαρμακευτικών αποβλήτων θα διερευνηθούν Το Πανεπιστήμιο με ιατρικό και φαρμακευτικό ενδιαφέρον και με την παγκόσμια κοινότητα μετά από αυτήν. Μαζί θα μπορούσαμε να σχεδιάσουμε στρατηγικές και να συζητήσουμε πιθανές λύσεις για τη διάθεση των φαρμακευτικών αποβλήτων, οι οποίες θα γίνουν αποτελεσματικά και με

την επιφύλαξη του λαού της χώρας μου και σε άλλες χώρες όπου δεν υπάρχει νομοθεσία για τη βιώσιμη και σωστή διάθεση των αποβλήτων φαρμάκων, με στόχο την προστασία της δημόσιας υγείας.

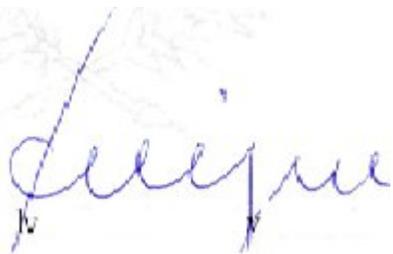
Έχω σπουδάσει ελληνική λογοτεχνία στο Πανεπιστήμιο Maringa UEM στην πολιτεία Parana με τον Καθηγητή Luiz Carlos André Mangia Silva της Βραζιλίας και έκανα ιδιωτικά μαθήματα στη νεοελληνική γλώσσα με την καθηγήτρια Rosângela Rosa Praxedes που σπουδάξει αρχαία ελληνικά στο UEM και πήρε μαθήματα της νεοελληνικής στη Θεσσαλονίκη.

Θα είμαι διαθέσιμη για συνάντηση μαζί σας, όποτε κληθώ από εσάς.

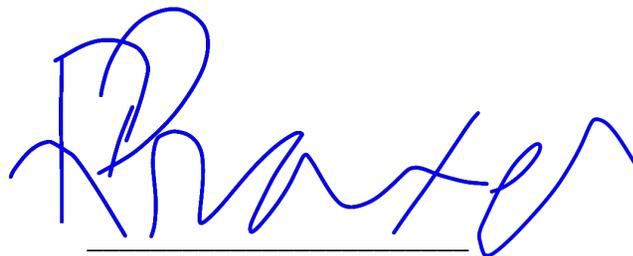
Με εκτίμηση,



GISELE FERREIRA DE SOUZA
PhD on **University of São Paulo (USP)-
Medical School São Paulo, SP- Brazil**
Email: semfungos@gmail.com



Professor Luiz Carlos André Mangia Silva
Greek literature at the University of Maringa UEM



Rosângela Rosa Praxedes
Professor Greek Thessalonika



Universidade Estadual de Maringá, Paraná, Brasil

For all concerned

My name is Gisele Ferreira de Souza, from Brazil. I am applying for my European citizenship since my great-grandfather was an Italian citizen of Calabria, which came in World War II for the region of Minas Gerais in Brazil, and therefore I have the right to apply for European citizenship.

My researcher and actually employee at São Camilo University Center (CUSC) Department of Chemistry, in São Camilo University Center (CUSC) for Pharmaceutical Sciences of the Department of Pharmacy. I have interest in appliance on your application because of my recent researchers Obstetrics and gynecology of Medical Department of CUSC at the city of São Paulo. I have working since 2015 at the hospital Global Green and Healthy Hospitals São Paulo, SP, Brazil as Researcher Pharmaceutical of Environmental Management Pharmacist.

A project of HCWH Health Care Without Harm Global (incidence of drugs in Water), is about pregnant women with cancer in the surgical department. Actually, I am working with water and its pollution, work with this great team is a great opportunity to do an excellent progression for both of us.

I have a large experience on Pharmaceutical field working for 10 years with this, and allowed me to develop complementary skills to technical knowledge of pharmacy, such as people management, sales management, teamwork and inventory management, for example. However, my thirst for knowledge only increased and I knew that if I want to become a specialist in my field of expertise, I need to continue my studies and researches.

The PhD allowed me to develop a fully focused research in my area of interest. Through the program, I also also get another old dream. I had two international experiences, an exchange in the UK and other one on Denmark. My successful thesis took me to Healthy Hospitals Project on Global Green and Healthy Hospitals in São Paulo, which my objective is to develop along with the pharmaceutical work, as Professor as a I have working at the hospital Global Green and Healthy Hospitals. São Paulo, SP, Brazil how Researcher Pharmaceutical of Environmental Management Pharmacist.

The objectives of this project are: demonstrate that the quality of water has been gradually compromised by the increase of inappropriate disposal of chemical agents by the population through its "domestic pharmacy", and presents possible environmental and human impacts, as well as pointing out probable solutions.

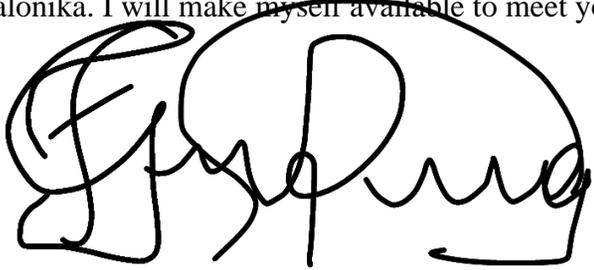
This application, with the multinational and multicultural environment, will expose me to absorb and how to learn and to deal with the diversity of the current world. My background in pharmacy, my academic career, in addition to my 10 years of experience as a pharmaceutical and responsible technical leverage my skills and make me a great candidate for the **Professor** at University of Greece. As evidenced by my professional and academic career so far, I am committed and dedicated to everything I do. I will be an invaluable person to its great innovative and sustainable power that keeps the tradition of your institution.

A project of HCWH Health Care Without Harm Global (incidence of drugs in Water), at the pharmacist chirurgic for the pregnant women how cancer, interest is to expand the project in the area of sustainability in the pharmaceutical supply department of health care, which can implement the project supply water.

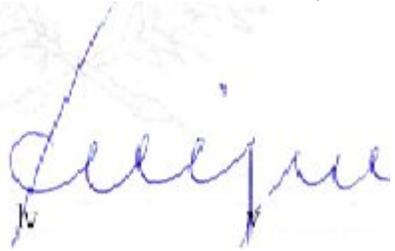
Sustainable entrepreneurship attracts me and fascinates me. In healthy hospital project in the Global Green and Healthy Hospitals, performance a leading role, working with allies and partners around the world to mobilize health care and address climate change as a multifaceted problem that currently experiencing a growing situation of "health emergency", as well as the "greatest threat to health" and "greatest opportunity in the 21st century health. The results of my field research on the pharmaceutical waste supplies will be explored along with the of medical and pharmaceutical interest and with the global community after it. Together we could plan strategies and discuss plausible solutions to the disposal of pharmaceutical waste which will be done effectively and without prejudice to the people in my country and in other countries where there is no legislation for the sustainable and proper disposal of waste medicines supply green and public health.

I have currently studied Greek literature at the University of Maringa UEM in the state of Parana with the Professor Luiz Carlos André Mangia Silva, Brazil and classes in modern Greek with a private teacher Rosângela Rosa Praxedes, who studies ancient Greek in the UEM and took courses of modern Greek in Thessalonika. I will make myself available to meet you at your earliest convenience.

Sincerely,



GISELE FERREIRA DE SOUZA
PhD on **University of São Paulo (USP)-
Medical School São Paulo, SP- Brazil**



Professor Luiz Carlos André Mangia Silva
Greek literature at the University of Maringa UEM



Rosângela Rosa Praxedes
Professor Greek Thessalonika



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UNIVERSITY OF SÃO PAULO

COLLEGE OF MEDICINE

ACADEMIC TRANSCRIPT OF POST-GRADUATION

Name: GISELE FERREIRA DE SOUZA

Date of Birth: July 18th, 1979

Identity Card (ID) Nº: 6.963.564-4 - PR

Place of Birth: State of Paraná

Nationality: Brazilian

Graduation Major: Pharmaceutical Sciences - University of Marília - State of São Paulo - Brazil - 1999

Master's Degree: Master's in Health Sciences (1) State University of Maringá - State of Paraná - Brazil - 2010

Area of Activity: Food Safety, Molecular Biology, Toxicology, Sustainable Agriculture

Title: Doctor in Sciences

Obtained in the Program: Medicine (Preventive Medicine)

Area: Preventive Medicine

Theme of Activity: Environmental, water, molecular biology, sustainability, residues of medicines, hydrology, marine, oceanography, water safety, logistics.

Date of Enrollment: July 14th, 2011

Counselor: Doctor Professor Nelson da Cruz Gouveia

Proficiency in Language(s): English and Polish

Date of Approval in the qualification exam: August 02nd, 2013

Title of the Paper (Thesis): "Environmental Evaluation in the Recyclable Material Cooperatives".

Courses in activities: Pharmacy, Chemistry, Physics, and Engineering.

Date of Thesis Defense: March 12th, 2015

Defense Result: Approved

São Paulo, May 05th, 2015

[Signature]

President of the Post-Graduation Commission

May 05th, 2015 09:14:21

