

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Sara Khalife**

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Nationality Lebanese

Date of birth January 1, 1988

Gender Female

Work experience

Dates	May 2025 – Present
Occupation or position held	Associate Prof. of Microbiology
Name and address of employer	Beirut Arab University, Faculty of Health Sciences, Tripoli, Lebanon
Type of business or sector	University Teaching and Research Sector
Dates	September 2016 – April 2025
Occupation or position held	Assistant Prof. of Microbiology
Name and address of employer	Beirut Arab University, Faculty of Health Sciences, Tripoli, Lebanon
Type of business or sector	University Teaching and Research Sector
Dates	January 2015- August 2016
Occupation or position held	Assistant Prof. of Microbiology and Molecular Biology
Name and address of employer	Lebanese University, Faculty of Health Sciences & Faculty of Science, Tripoli, Lebanon
Type of business or sector	University Teaching and Research Sector
Dates	May 2012- December 2013
Occupation or position held	Lecturer
Name and address of employer	Lille 2 University, Faculty of Science, Lille, France
Type of business or sector	University Teaching and Research Sector

Education and training

Dates	December 2021- August 2022
Title of qualification awarded	Postdoctoral Research Associate in Vaccines and Immunology
Name and type of organisation	University of Georgia, United States of America
Dates	September 2011- September 2014
Title of qualification awarded	Ph.D. in Medical and Food Microbiology
Name and type of organisation	University of Lille 2, Pasteur Institute of Lille, Center for Infection and Immunity of Lille, Biology and Diversity of Emergent Eukaryote Pathogens team, Lille- France. Thesis title: "Host- <i>Pneumocystis</i> interactions: PcMnSOD functional study and evaluation of <i>Pneumocystis</i> spp colonization by experimental and clinico-epidemiological approaches". (Research Supervisor: Pr. EM. ALIOUAT).
Dates	October 2010- September 2011
Title of qualification awarded	Masters in Medical Microbiology
Name and type of organisation	Lebanese University, Tripoli, Lebanon
Dates	October 2009- September 2010
Title of qualification awarded	Masters in General Biochemistry
Name and type of organisation	Lebanese University, Beirut, Lebanon
Dates	October 2006- September 2009
Title of qualification awarded	B.Sc. in Biochemistry
Name and type of organisation	Lebanese University, Tripoli, Lebanon

Computer skills and competences

MS office (Word, Excel, PowerPoint, Outlook), sequence analysis softwares (BLAST, Clustal), alignment of sequences (Bioedit, Seaview), phylogenetic analyses (Mr Bayes), Statistical analysis (Logician R), Endnote and Zotero.

Professional certifications

December 2021: Blood Borne Pathogens and Hazardous waste trainings. University of Georgia, USA.
December 2021: BSL2 Curriculum acquisition. University of Georgia, USA.
December 2021: Working Safely with non-human primates in biocontainment. University of Georgia, USA.
December 2021: Staying healthy while working with animals. University of Georgia, USA.
December 2021: Ethics training. University of Georgia, USA.

Membership in professional societies and associations

Member of the Research Coalescence Group
Member of Lebanese Syndicate of chemists

Editorial Board Member

BMC Infectious Diseases
Journal of Gynecology and Obstetrics Research
International Journal of Infectious Diseases and Therapy
International Clinical Case Report
CMJ Microbes and Emerging Infections

Publications

Said N, Farhat N, El Safadi D, & **Khalife S**. Seroprevalence and risk factors of Hepatitis A virus among Palestinian refugees in North Lebanon: A pilot study to inform vaccination and public health policy. *New microbes and new infections*, 2026, 72, 101784. <https://doi.org/10.1016/j.nmni.2026.101784>.

Khalife S, El Safadi D. Canine vector-borne diseases in Lebanon: Unveiling prevalence trends and risk factors for public health and disease control. *Veterinary Parasitology: Regional Studies and Reports*. 2026. 71-101488. <https://doi.org/10.1016/j.vprsr.2026.101488>.

Rabacal W, Hu A, **Khalife S**, Kim G, Norris KA. Experimental Pneumocystis infection in dexamethasone immunosuppressed macaques. *Med Mycol*. 2025 Sep 2;63(9):myaf083. doi: 10.1093/mmy/myaf083. PMID: 40971606.

Farhat N, El Safadi D, Massoud J, **Khalife S**. Seroprevalence and Vaccination Determinants of Varicella Zoster Virus Among Pediatric and Adolescent Populations in Northern Lebanon. *Vaccines (Basel)*. 2025 Nov 15;13(11):1166. doi: 10.3390/vaccines13111166. PMID: 41295539; PMCID: PMC12656992.

Mitri R, Ziade F, **Khalife S**. Emotional Eating and Mental Health Among Lebanese University Students During COVID-19 Outbreak, *Journal of Nutrition and Metabolism*, 2025, 8858430, 9 pages, 2025. <https://doi.org/10.1155/jnme/8858430>.

Khalife S, Osman M, Moubayed S, Kassem II, El Safadi D. Risk Factors and Hospitalizations Associated with Pediatric Adenovirus and Rotavirus Infections in Northern Lebanon. *Medicina (Kaunas)*. 2025;61(2):296. Published 2025 Feb 8. doi:10.3390/medicina61020296.

Khalife S, El Safadi D. Salmonella Prevalence and antibiotic resistance profile in raw poultry meat sold in North Lebanon: Insights from the COVID-19 pandemic and economic crisis. *Prev Vet Med*. 2024; 230:106299. doi:10.1016/j.prevetmed.2024.106299.

Khalife S, El Safadi D. Seroprevalence and risk factors of Toxoplasma gondii infection in slaughtered chickens in Tripoli, Lebanon. *Vet Parasitol Reg Stud Reports*. 2023. <https://doi.org/10.1016/j.vprsr.2023.100941>. Epub 2023 Oct 20. PMID: 37935542.

El Safadi D, Osman M, Hanna A, Hajar I, Kassem II, **Khalife S**, Dabboussi F, Hamze M. Parasitic Contamination of Fresh Leafy Green Vegetables Sold in Northern Lebanon. *Pathogens*. 2023 Aug 4;12(8):1014. doi: 10.3390/pathogens12081014. PMID: 37623974; PMCID: PMC10459145.

Moubayed S, Ghazzawi J, Mitri R, **Khalife S**. Recent Data Characterizing the Prevalence and Resistance Patterns of FimH-producing Uropathogenic Escherichia coli Isolated from Patients with Urinary Tract Infections in North Lebanon. *Arch Clin Infect Dis*. 2023;18(4):e135782. <https://doi.org/10.5812/archcid-135782>.

Mitri R, **Khalife S**, Ziade F. Determinants of health-related quality of life among adolescents: The role of the Mediterranean diet [Déterminants de la qualité de vie liée à la santé chez les adolescents : le rôle de la diète méditerranéenne]. *Rev Epidemiol Sante Publique*. 2023 Oct;71(5):102148. French. doi: 10.1016/j.respe.2023.102148. Epub 2023 Sep 2. PMID: 37666033.

Khalife S, Abdallah M. High seroprevalence of SARS-CoV-2 antibodies in household cats and dogs of Lebanon [published online ahead of print, 2023 Feb 21]. *Res Vet Sci*. 2023;157:13-16. doi:10.1016/j.rvsc.2023.02.005.

Khalife S, Moubayed S, Mitri R, Geitani R, Safadi DE. Seroprevalence and risk assessment of Toxoplasma gondii infection in sheep and goats in North and Beqaa governorates of Lebanon. *Vet World*. 2022;15(9):2180-2185. doi:10.14202/vetworld.2022.2180-2185

Ghazzawi J, Moubayed S, **Khalife S**. Seroepidemiology and risk assessment of Hepatitis E virus among blood donors in North Lebanon. *Arch Clin Infect Dis*. 2022; 17(3) e12915.

Khalife S, Geitani R. Association of Inherited Thrombophilia with Recurrent Pregnancy Loss in A Population of Lebanese Women: A Case Control Study. *Int J Fertil Steril*. 2022;16(3):247-251. Published 2022 Aug 21. doi:10.22074/ijfs.2022.540950.1205.

Khalife S, Resendiz-Sharpe A, Lagrou K, Fréal E. Molecular identification and azole susceptibility testing of Aspergillus section Fumigati isolated from soil samples in Lebanon. *J Mycol Med*. 2022;32(2):101242. doi:10.1016/j.mycmed.2021.101242.

Publications

Khalife S, Bissar-Tadmouri N. Inherited Thrombophilia in a Lebanese Family of Four Generations: A Case Report of Recurrent Miscarriage. *Vasc Health Risk Manag.* 2020;16:53-56. Published 2020 Jan 21. doi:10.2147/VHRM.S235784.

Khalife S, Chabé M, Gantois N, et al. Relationship Between *Pneumocystis carinii* Burden and the Degree of Host Immunosuppression in an Airborne Transmission Experimental Model. *J Eukaryot Microbiol.* 2016;63(3):309-317. doi:10.1111/jeu.12280.

Khalife S, Aliouat EM, Aliouat-Denis CM, et al. First data on *Pneumocystis jirovecii* colonization in patients with respiratory diseases in North Lebanon. *New Microbes New Infect.* 2015;6:11-14. Published 2015 Mar 4. doi:10.1016/j.nmni.2015.02.006.

Standaert-Vitse A, Aliouat-Denis CM, Martinez A, **Khalife S**, et al. SYTO-13, a Viability Marker as a New Tool to Monitor In Vitro Pharmacodynamic Parameters of Anti-*Pneumocystis* Drugs. *PLoS One.* 2015;10(6):e0130358. Published 2015 Jun 23. doi:10.1371/journal.pone.0130358.

Khalife S, Aliouat el M, Gantois N, et al. Complementation of a manganese-dependent superoxide dismutase-deficient yeast strain with *Pneumocystis carinii* *sod2* gene. *Fungal Biol.* 2014;118(11):885-895. doi:10.1016/j.funbio.2014.07.007.

Chabé M, **Khalife S**, Gantois N, Even G, Audebert C. An improved single-round PCR leads to rapid and highly sensitive detection of *Pneumocystis* spp. *Med Mycol.* 2014;52(8):841-846. doi:10.1093/mmy/myu032

Meeting Participations

Khalife S., El Safadi D. One Health Insights: *Toxoplasma gondii* Exposure in Chickens and Zoonotic Risk in Tripoli, 5th International Conference on Microbiology and Immunology, Paris, October 6–7, 2025.

Khalife S., Osman M., Moubayed S., Kassem I., and El Safadi D. *Zoonotic Risk and Seroprevalence of Toxoplasma gondii in Chickens Slaughtered in Tripoli, Lebanon*. Vaccines and Infectious Diseases Conference, Switzerland, October 8-10, 2025.

Khalife S., Abdallah, M. *Serological Evidence of SARS-CoV-2 Exposure in Domestic Cats and Dogs in Lebanon*. Vaccines and Infectious Diseases Conference, Switzerland, October 8-10, 2025.

Khalife S., El Safadi D. First study on the seroprevalence and risk factors of *Toxoplasma gondii* infection in slaughtered chickens in Tripoli, Lebanon, fourth International conference on Microbiology and Immunology, London, 2024.

Khalife S., Resendiz-Sharpe A, Lagrou K, Fréalle E. *Aspergillus Section Fumigati* Isolated from Soil Samples in Lebanon: Molecular Identification and Azole Susceptibility Testing, fourth International conference on Microbiology and Immunology, London, 2024.

Khalife S., Abdallah M. High seroprevalence of SARS-CoV-2 antibodies in household cats and dogs of Lebanon, Third International conference on Microbiology and Immunology, Dubai, 2023.

Khalife S., Resendiz-Sharpe A, Lagrou K, Fréalle E. First description of Azole-resistant *Aspergillus section Fumigati* in soil samples in Lebanon, Third International conference on Microbiology and Immunology, Dubai, 2023.

Khalife S., Standaert-Vitse A, Gantois N, Jakobczyk H, Chabe M, Pottier M, Dei – Cas E, Dabboussi F, Hamze M, Aliouat EM, Aliouat CM, “Molecular cloning and functional characterization of *Pneumocystis carinii* MnSOD”, International Workshop on Opportunistic Protists, Spain, 2014.

Khalife S., Chabe M, Gantois N, Audebert C, Pottier M, Dabboussi F, Hamze M, Hlais S, Aliouat-Denis CM, Aliouat EM, “Etude de la colonisation par *Pneumocystis carinii* en fonction du degré d’immunodépression dans un modèle naturel de transmission aérienne du microchampignon”, Congrès de la Société Française de Mycologie Médicale, France, 2014.

Standaert A, Aliouat- Denis CM, Martinez A, **Khalife S.**, Pottier M, Gantois N, Dei- Cas E, Aliouat EM, “SYTO®-13, a new viability marker as a tool to monitor in vitro pharmacodynamic parameters of anti-*Pneumocystis* drugs”, International Workshop on Opportunistic Protists, Spain, 2014.

Khalife S., Aliouat EM, Aliouat-Denis CM, Gantois N, Devos P, Mallat H, Dei-Cas E, Dabboussi F, Hamze M, Frealle E, “Occurrence of *Pneumocystis jirovecii* colonization and predominance of mtLSU genotype 2 in patients with respiratory diseases in North Lebanon”, International Workshop on Opportunistic Protists, Spain, 2014.

Khalife S., Chabe M, Gantois N, Audebert C, Pottier M, Hlais S, Pincon C, Chassat T, Pierrot C, Khalife J, Aliouat-Denis CM, Aliouat EM, “Relationship between *Pneumocystis carinii* colonization and the degree of host immunosuppression in an airborne transmission experimental model”, International Workshop on Opportunistic Protists, Spain, 2014.

Chabe M, **Khalife S.**, Gantois N, Even G, Audebert C “An improved single-round PCR leads to rapid and highly sensitive detection of *Pneumocystis* spp”, International Workshop on Opportunistic Protists, Spain, 2014.

Khalife S., Hamze M, Aliouat EM. Etude de la colonisation par *Pneumocystis carinii* en fonction du degré d’immunodépression dans un modèle naturel de transmission aérienne du microchampignon. (Oral communication). Congrès de la Société Française de Mycologie Médicale, Reims, France (May 2014).

Khalife S., Hamze M, Aliouat EM. Compréhension du cycle biologique de *Pneumocystis* spp, de sa transmission et du risque infectieux associé au statut immunitaire de l’hôte. (Poster). 13ème Journée André Verbert (JAV), Faculty of medicine of Lille, France. (September 18, 2013).

Awards	ANOFEL Prize (French Association of Teachers in Parasitology and Mycology) - Eduardo Dei- Cas prize for the best Ph.D. thesis for the year 2014. University of Lille 2 Prize for the best Ph.D. thesis at the faculty of Pharmacy and Biological Sciences for the year 2014.
Grants	Safar Mobility Grant, French embassy in Lebanon, high-level scientific residency plan, 2023.