# Europass Curriculum Vitae



## Personal information


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| First name / Surname | **Mazen ZAYLAA** |
| Address | Faculty of Medicine (3rd floor) Beirut Arab University, Beirut, Lebanon |
| Telephone | Phone: +9611300110<br>Mobile: +9617353298 |
| E-mail | m.zaylaa@bau.edu.lb<br>mazen.zaylaa@hotmail.com<br>www.bau.edu.lb |
| Nationality | Lebanese |
| Date of birth | October 12, 1991 Tripoli - Lebanon |
| Gender | Male |


## Work experience

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| Dates | September 2022- **Present** |
| Occupation or position held | Assistant professor of Microbiology |
| Name and address of employer | Faculty of Medicine, Beirut Arab University - Lebanon |
| Type of business or sector | University Teaching |
| Dates | January 2022- August 2022 |
| Occupation or position held | Part time Assistant professor |
| Name and address of employer | Lebanese International University, Lebanon |
| Type of business or sector | University Teaching |
| Dates | September 2020- August 2022 |
| Occupation or position held | Part time Assistant professor |
| Name and address of employer | Holy Family University Batroun, Lebanon |
| Type of business or sector | University Teaching |
| Dates | January 2022- August 2022 |
| Occupation or position held | Part time Assistant professor |
| Name and address of employer | Balamand University - Lebanon |
| Type of business or sector | University Teaching |
| Dates | September 2019- August 2022 |
| Occupation or position held | Part time Assistant professor |
| Name and address of employer | Jinan University Tripoli, Lebanon |
| Type of business or sector | University Teaching |

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| Dates | 17 July – 2 August 2019 |
| Occupation or position held | Invited Researcher |
| Name and address of employer | Institute Pasteur de Lille, Center for Infection & Immunity of Lille, Lactic Acid Bacteria and Mucosal Immunity laboratory |
| Type of business or sector | Research Sector |
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| Dates | January 2019 – **Present** |
| Occupation or position held | Part time Assistant professor |
| Name and address of employer | Faculty of Health Science - Beirut Arab University, Lebanon. |
| Type of business or sector | University Teaching and Research Sector |
| Dates<br>Occupation or position held<br>Name and address of employer<br>Type of business or sector | October 2019 – December 2021<br>Laboratory Supervisor and Head of Department of Microbiology<br>Deniyeh Medical Center (DMC) -Department of Laboratory, Deniyeh, Lebanon<br>Clinical Laboratory |
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| Dates | October 2013 - February 2016 |
| Occupation or position held | Medical Laboratory Technician |
| Name and address of employer | Monla Hospital Department of Laboratory and Blood bank, Tripoli, Lebanon |
| Type of business or sector | Hospital / Clinical Laboratory |
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| **Education and Training** | |
| Dates | October 2015 – November 2018 |
| Title of qualification awarded | Ph.D. in Food and Medical Microbiology<br>Ph.D. in Clinical research, technological innovation, public health / Bacteriology – Virology and Hospital hygiene<br><br>Disciplines of PhD project: Microbiology-Immunology (Host-Microbe Interactions) |
| Name and type of organisation | Lebanese University (EDST), Beirut, Lebanon<br>University of Lille, Lille, France |
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| Dates | October 2012- July 2015 |
| Title of qualification awarded | Master's degree in biology (Specialty: Microbiology) |
| Name and type of organisation | Beirut Arab University, Faculty of Sciences, Lebanon. |
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| Dates | October 2009- August 2012 |
| Title of qualification awarded | Bachelor's degree in medical laboratory Analysis |
| Name and type of organisation | Jinan University, Tripoli, Lebanon |
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| **Personal skills and competences** | |
| Mother tongue(s) | **Arabic** |

| Other language(s) | | | | | | |
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| Self-assessment | | **Understanding** | | **Speaking** | | **Writing** |
| *European level (*)* | | Listening | Reading | Spoken interaction | Spoken production | |
| **Language** | **English** | Excellent | Excellent | Very good | Very good | Excellent |
| **Language** | **French** | Excellent | Excellent | Very good | Very good | Excellent |

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| **Membership** | • 2024 – Present: Member of the Beirut Arab University Research Committee<br>• 2022 – Present: Member of the Faculty of Medicine Research Committee<br>• 2022 – Present: Member of the Faculty of Medicine Quality Committee |
| **High quality training and conference** | |
| Dates | **September 2019**<br><br>Certificate of Participation in Summer school in Medical Mycology |
| Dates | **April 2012 - 2018**<br><br>Certificate of Organization at the SQUAD-1 and 2 Symposium (Sécurité et Qualité agroalimentaire) |
| Dates | **April 2017**<br><br>Certificate of achievement, Innate immunity course (Institute Pasteur- MOOC) |
| Dates | **October 2014, October 2016**<br><br>Certificate of achievement, Transport of infectious substances training course for shippers based on applicable international shipping regulation (World Health Organization) |
| **Supervision Experience** | • One PhD student at Lebanese University<br>• Two master students and one PhD student at Beirut Arab University<br>• Three master students at Jinan University<br>• One master student at Balamand University |
| **Conference Proceedings** | • **Oral communications**: Spotlight on Brucella epidemiology in Lebanon: A One Health approach. **14th GABRIEL International Network Meeting, June 3-5, 2026, Antananarivo, Madagascar**<br><br>• **Oral communications**: Bacteriological Profile and Antimicrobial Resistance Patterns of Pediatric and Neonatal Infections: A10-Year Retrospective Study at a Tertiary Hospital in Lebanon. **NATIONAL RESEARCH DAY LEBANESE MEDICAL SCHOOLS MAY 2026**<br><br>• **Oral communications**: Autophagy: a novel mechanism involved in anti-inflammatory abilities of probiotic. **International scientific conference Probiotics, Prebiotics, Gut microbiota and health. June 2019, Prague-Czech Republic.**<br><br>• **Poster presentations:** *In vitro* and *in vivo* blockade of autophagy abolished the anti-inflammatory capacities of selected probiotic strains. **6th World Congress on Targeting Microbiota - October 2018, Porto-portugal.**<br><br>• **Oral communications**: Identification of the first bacteriocin isolated in Lebanon extracted via a modified adsorption-desorption method. **SQUAD-2 April 2018, Tripoli-Lebanon.**<br><br>• **Poster presentations**: Probiotics in IBD: combining *in vitro* and *in vivo* models for selecting strains with both anti-inflammatory potential and capacity to restore the gut epithelial barrier. **International conference in Lactic acid bacteria. CBL June 2017, Lille-France.**<br><br>• **Poster presentations**: Characterization and semi– purification of a noval thermostable bacteriocin with an high anti-*Listeria, anti-Clostridium and anti-Penicillium* activity. **International conference in Lactic acid bacteria. CBL June 2015, Lille-France.** |

## Honors, Grants and Awards

- Bourse fondation mérieux réseaux Gabriel and Grant Lebanese University (2026-2028)
- PhD scholarship from the Agence Universitaire de la Francophonie (2016-2018)
- Mobility scholarship at the University of Lille (2016)

## Publications

### Research article

Sayed, H.E., Kadhim, A., Kerdieh, A., Ftouny, J., Hijazi, B., Ghaddar, S., Haidar, H., Mehdi, M., Kamal, M., **Zaylaa, M.,** Chahoud, M., 2026. Communication skills among medical students in Lebanon: a cross-sectional study across universities adopting the European teaching system. BMC Med Educ.

**Zaylaa, M**., Bitar, M.E., Jaafar, A., Hammoud, M., Chakra, H.E., Maaliki, A.R., Dali, F.E., Awad, D., Hijazi, Y., Gharbawy, O.E., Sarraf, R., Kassam, I., Wehbe, D., 2026. Trends in Enterobacteriaceae Resistance Patterns: A Nine-Year Retrospective Study From North Lebanon. Health Sci Rep 9, e72729.

**Zaylaa, M.,** Farha, R., Taleb, J., Saad, A., Gharbawy, O.E., Sarraf, R., Kassam, I., Hamdach, C., Bissar, N., 2026. Interplay Between Virulence Genes, Antimicrobial Resistance Profiles, and Biofilm Formation in Klebsiella pneumoniae Causing Urinary Tract Infections in North Lebanon. MicrobiologyOpen 15, e70336.

Boulos, M., Tannous, J., Attieh, R., Karaali, M., Merhi, L.A., Yassine, H., Ismail, I., Mallat, H., Jisr, T., **Zaylaa, M.,** Sarraf, R., Kassam, I., Abboud, E., Ibrahim, M., Khoury, E., Abdou, J., Mohsen, Z., Hamze, M., Youssef, M., Karayakoupoglo, G., Osman, M., Raad, E.B., Shakra, D.A., Berchan, M., Barhoun, J., Diab, M.K., Zorkot, W., Husni, R., Abdallah, D., Moghnieh, R., 2025. Aggregate Antibiogram Data on Staphylococcus aureus Across Sentinel Hospitals in Lebanon: A Call for a Prioritized National AMR Action Plan in a Fragile, Conflict-Affected Setting. Int. J. Infect. Dis. IJID Off. Publ. Int. Soc. Infect. Dis. 108253.

Turfa, Mohammad, Rida, A., Siblany, Y., Ramadan, F., Madhoun, Y., Mohammed, A., Turfa, Mariam, Wehbe, D., **Zaylaa, M.**, 2025. Autism spectrum disorder knowledge among kindergarten teachers in Lebanon: a cross-sectional survey. BMJ Paediatr. Open 9, e003327

Rafei, R., **Zaylaa, M.,** Diab, M., Kassem, I.I., El Omari, K., Halimeh, F.B., El Moujaber, G., Achour, A., Ismail, B., Mallat, H., Hamze, M., Dabboussi, F., Osman, M., 2025. Nasopharyngeal Carriage, Antimicrobial Resistance, and Serotype Distribution of Streptococcus pneumoniae in Children Under Five in Lebanon: Baseline Data Prior to PCV13 Introduction. Antibiotics (Basel) 14, 168

Halabi, J., Hijazi, H., Omari, K.E., Kassaa, I.A., **Zaylaa, M**., 2022. FOOD SAFETY KNOWLEDGE, ATTITUDES AND PRACTICES AMONG RESTAURANTS' FOOD HANDLERS IN NORTH LEBANON: EVALUATION OF THE FOOD SAFETY TRAINING. J. **Fundam. Appl. Sci**. 14, 431–448.

l Kassaa, I., Mechmchani, S., **Zaylaa, M**., Bachar Ismail, M., El Omari, K., Dabboussi, F., Hamze, M., 2021. Enterococcus faecium CMUL1216 an Immunobiotic Strain with a Potential Application in Animal Sector. **Biocontrol Sci**. 26, 75–84.

Youssef Sleiman, **Mazen Zaylaa**, Ahmad El Fay, Jihad Youssef, Kamar Eid and Chadi Hamdach, **2020** Pleuropneumonia with chest wall abscess due to *salmonella enteric* in immunocompetent patient: a case report; **J Clinical Medical Reviews and Reports** 3(1).

Kassaa, I.A., Mechemchani, S., **Zaylaa, M**., Ismail, M.B., Omari, K.E., Dabboussi, F., Hamze, M., **2019**. Characterization of lactobacilli strains isolated from baby's feces for their potential immunobiotic application. **Iranian Journal of Microbiology** 11, 379–388.

Kassaa, I.A., Rafei, R., Moukhtar, M., **Zaylaa, M.**, Gharsallaoui, A., Asehraou, A., Omari, K.E., Shahin, A., Hamze, M., Chihib, N.-E., **2019**. LABiocin database: A new database designed specifically for Lactic Acid Bacteria bacteriocins. **International Journal of Antimicrobial Agents** 54, 771–779.

**Zaylaa, M.**, Alard, J., Kassaa, I.A., Peucelle, V., Boutillier, D., Desramaut, J., Rosenstiel, P., Nguyen, H.T.T., Dabboussi, F., Pot, B., Grangette, C., **2019**. Autophagy: A Novel Mechanism Involved in the Anti-Inflammatory Abilities of Probiotics. **Cellular Physiology and**

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| | **Biochemistry**. 53, 774–793.<br><br>Kassaa, I.A., **Zaylaa, M.**, Hussein, S., Omari, K.E., Chihib, N.-E., Hamze, M., Yusef, H., Dabboussi, F., **2018**. Identification of the first bacteriocin isolated in Lebanon extracted via a modified adsorption-desorption method and its potential food application. **The International Arabic Journal of Antimicrobial Agents.**<br><br>**Zaylaa, M.**, Al Kassaa, I., Alard, J., Peucelle, V., Boutillier, D., Desramaut, J., Dabboussi, F., Pot, B., Grangette, C., **2018**. Probiotics in IBD: Combining in vitro and in vivo models for selecting strains with both anti-inflammatory potential as well as a capacity to restore the gut epithelial barrier. **Journal of Functional Foods** 47, 304–315.<br><br>Kassaa, I.A., Ismail, M.B, **Zaylaa, M.**, Dabboussi, F.,Villena, J, Hamze, M. Probiotics and Genital herpes. **Beneficial Microbes**. In press<br><br>**Book chapter**<br><br>Kassaa, I.A., **Zaylaa, M.**, **2017**. Probiotics: Role in the Prevention of Chronic Viral Diseases, in: New Insights on Antiviral Probiotics. **Springer, Cham,** pp. 61–81.<br><br>YOUNIS, J. and **ZAYLAA, M.**, 2020. Un logiciel de gestion et de recherche bibliographique, in Produire de savoir et de l'action. SMP / EMS. |