**ILKAY KARAKURT**

JAN **2022**

|  |  |
| --- | --- |
| **06/08/1988** | Pardubice, Czech Republic |
|  | Contact: +420776227557 |
|  | [ilky.ertekin@](mailto:y.karakurt@utb.cz)gmail.com |

**EDUCATION**

|  |  |
| --- | --- |
| **2018-2021** | **Tomas Bata University, Zlin, Czech Republic (Ph.D.)** |
| Center of Polymer Systems- Material Science and Engineering |

|  |  |
| --- | --- |
| **2021** | **Denmark Technical University, (Erasmus Project)** |
| Health Technology Department- Drug Delivery and Sensing |

|  |  |
| --- | --- |
| **2015-2018** | **Ege University, Izmir, Turkey (Masters)** |
| Institute of Science and Technology- Dept. of Labor Safety |

|  |  |
| --- | --- |
| **2013** | **IFA, Dortmund, Germany (Industrial Project Researcher)** |
| Institute for Occupational Safety and Health |

|  |  |  |  |
| --- | --- | --- | --- |
| **2006-2011** | **Ege University, Izmir, Turkey (Bachelor)** | | |
| Faculty of Applied Sciences – Chemistry & Biochemistry (Double Major Programme) | | |
|  | |  |

**SCIENTIFIC PUBLICATIONS**

|  |  |
| --- | --- |
| **2021** | Karakurt, I. et. al. Effects of Chitosan/Chondroitin Sulfate Polysaccharide Lids on Amoxicillin Drug Release from Microcontainers. *Nanocon*, Conference Proceeding. |
| **2021** | Karakurt, I. et. al. Controlled release of enrofloxacin by vanillin-crosslinked chitosan-polyvinyl alcohol blends. *Materials Science and Engineering: C,* Volume 126, 2021, 112125. |

|  |  |
| --- | --- |
| **2021** | Karakurt, I. et. al. Effect of Saccharides Coating on Antibacterial Potential and Drug Loading Capacity of Plasma-treated Polylactic Acid Films. *In Review.* |

|  |  |
| --- | --- |
| **2019** | Karakurt, I. et. al. Antibacterial Activity and Cytotoxicity of Immobilized Glucosamine/Chondroitin Sulfate on Polylactic Acid Films. Polymers 2019, 11, 1186. 11. |

|  |  |
| --- | --- |
| **2019**  **2010** | Karakurt, I. et. al. Anticoagulant polyethylene terephthalate surface by plasma-mediated fucoidan immobilization. Polymers 2019, 11, 750.  Mengulluoglu, U. et. al. Development of a novel electrochemical impedance spectroscopy based biosensor system determination of surface corrosion based α-Amylase activity. 12. National Biochemistry Congress, Eskisehir, Turkey. |

**EXPERIENCES & INTERNSHIPS**

|  |  |
| --- | --- |
| **07.2021 – 10.2021**  (3 months) | **Technical University of Denmark** |
| Department of Health Technology |
| * Fabrication of Microcontainers and investigation of their application areas |
| * Drug loading through various masking technique |
| * Polysaccharide coating as microcontainer lids by spray coater |
|  | * Characterization methods and drug release assessments |

|  |  |
| --- | --- |
| **01.2013 – 01.2018**  (5 years) | **Occupational Health and Safety Institute, Izmir, Turkey** |
| Chemist & Laboratory & Health and Safety Operation Responsible |
| * Management of Risk Assessment and Evaluation Plans |
| * Workplace Personal Exposure Measurements |
| * Nanotechnology Laboratory and R&D Application Responsible |
|  | * Atomic Absorption Spectroscopy Test Responsible |

|  |  |
| --- | --- |
| **07.2011-09.2011**  (2 months) | **Cesme sissus Hospital, Izmir, Turkey** |
| *Biochemist (Trainee*) |
| * Blood Test Techniques |
|  | * Hormone Test Analysis |
|  | * Pathology Test and Researches |

|  |  |
| --- | --- |
| **08.2010-09.2010**  (1 month) | **Institution of Forensic Medicine, Izmir, Turkey** |
| *Biochemist – (Trainee)* |
| * Biological Stain Workshop * Hematology Tests |
|  | * Blood Pattern Analysis |
| **01.2013 – 01.2018**  (5 years) | **SATE kimya** |
|  | *Chemist – (Trainee)* |
|  | Management of Risk Assessment and Evaluation Plans |
|  | Workplace Personal Exposure Measurements |
|  | Nanotechnology Laboratory and R&D Application Responsible |
|  |  Atomic Absorption Spectroscopy Test Responsible |

**SEMINARS & CERTIFICATES**

|  |  |
| --- | --- |
| **2021** | 13th International Conference on Nanomaterials - Research & Application, Brno, Czech Republic |
|  | Poster Presentation |
| **2019** | ByPOS Young Polymer Scientist Conference, Bratislava, Slovakia |
|  | Oral Presentation |

|  |  |
| --- | --- |
| **2015** | Ministery of Labor and Social Security, Ankara, Turkey |
| Market Surveillance and Product Safety Author |

|  |  |
| --- | --- |
| **2014** | Ministery of Labor and Social Security, Ankara, Turkey |
| VII. International H&S Conference- (IFA- Germany Project Presentation) |
| **2009** | Ege University Science and Technology Community, Izmir, Turkey |
| Stemcell Conference |

|  |  |
| --- | --- |
| **2007** | Ege University Applied Science and Technology Center, Izmir, Turkey |
| Cancer Biochemistry Conference |

|  |  |
| --- | --- |
|  |  |

**LANGUAGES**

|  |  |
| --- | --- |
| Turkish | Native |
| English | Fluent |
| Czech | Beginner |
| German | Beginner |

|  |  |
| --- | --- |
|  |  |
|  |

**REFERENCES**

|  |  |
| --- | --- |
| **Marian Lehocy** | Department Of Fat, Surfactant And Cosmetics Technology, Doc. |
| Tomas Bata University, Zlin, Czech Republic |
|  | +420 576 031 215 lehocky@utb.cz |

|  |  |
| --- | --- |
| **Sinan Akgol** | Department of Biochemistry, Professor |
| Ege University, Izmir, Turkey |
|  | +90 232 311 5424 sinan.akgol@ege.edu.tr |

|  |  |
| --- | --- |
| **Kadir Ozaltin** | Centrum of Polymer Systems, Consultant |
| Tomas Bata University, Zlin, Czech Republic |
|  | +420777531133- [ozaltin@utb.cz](mailto:ozaltin@utb.cz) |