



Curriculum Vitae

Personal Data

Name	Yasemin Caf
Date/ Place of Birth	March 22 nd , 1983/ Krems a.d. Donau (Austria)
Marital Status	Single
Email	cafyasmin@gmail.com
Phone	+43 699 19333662

Personal Skills and Competencies

Language(s):

- Germany** – fluently (Vienna Uni. language diploma C2 level)
- English** – fluently (CAE Cambridge and Aptis Certificate C level)
- Turkish** – fluently (Native)

Practical experience:

Some Lessons taught in University

- *General, and Basic Microbiology*
- *General Biology*
- *Biotechnology*
- *Recombinant DNA Technology*
- *Biochemistry*

Molecular methods, Cloning etc.
Microorganisms; Cultivation techniques etc.
Enzyme and Rekombinant Proteins Analyses,
Bioinformatic Analysis,
Biochemical analyzes,
Biochemical purification of proteins etc.
HPLC, LC, Chromatography

Academic Career

2015

Doctorate in Biotechnology

Institute of Science, Departement of Biotechnology, Molecular & Microbiology Laboratory, Cukurova University, Adana/ Turkey

Doctoral Thesis:

"Enhancing The Enzyme Production From Alkaline and Thermostable Keratinase Producer Native *Bacillus licheniformis* C11 and *Streptomyces fradiae* C1 Strains by Genetic Manipulation and Enzyme Characterization."

2012

Master in Biotechnology

Institute of Science, Departement of Biotechnology, Molecular & Microbiology Laboratory, Cukurova University, Adana/ Turkey

Master Thesis:

"Production And Characterzation of Alkaline, Thermophilic, Highly Thermostabil And Oxidant Resistant Cellulase From A Thermophilic *Bacillus sonorensis* CY3."

2009

Bachelor in Biology

Departement of Biologie, Cukurova University, Adana/ Turkey

Professional Background

2018 – 2020

Project Manager

Cubim Med GmbH- Biomedical & Biotechnology, 1060 Vienna

2017 – 2018

Project Worker

Vienna University of Technical, Institute of Chemical, Environmental and Bioscience, Biotechnology/Bioprocess Technology Lab.

2016 – 2017

Assistant Professor

Faculty of Arts and Sciences- Department of Biochemistry, Avrasya University, Trabzon/Turkey

2015 – 2016

Lecturer

Vocational School of Health Services-Department of Medical Laboratory, Avrasya University, Trabzon/Turkey

2013 – 2015

Researcher (Tubitak Project)

Institute of Science, Departement of Biotechnology, Molecular & Microbiology Laboratory, Cukurova University, Adana/ Turkey

2013 – 2013

Internship (Erasmus)

Universität für Bodenkultur, Department für Biotechnologie, Vienna/Austria

2012 – 2013

Researcher (C.U. Research Found, FEF2012BAP15)

Institute of Science, Departement of Biotechnology, Molecular & Microbiology Laboratory, Cukurova University, Adana/ Turkey

2011 – 2012

Researcher (C.U. Research Found, FEF2012BAP11)

Institute of Science, Departement of Biotechnology, Molecular & Microbiology Laboratory, Cukurova University, Adana/ Turkey

List of Publications

- A.1. (2017)** CAF, Y., and ARIKAN, B., A Novel Alkaline, Highly Thermostable and Oxidant Resistant Carboxymethyl Cellulase (CMCase) Produced by Thermophilic *Bacillus sonorensis* CY-3. *Int.J.Curr.Microbiol.App.Sci* 6 (3): 2349-2362.
- A.2. (2014)** CAF, Y., ARABACI, N., and ARIKAN, B., Isolation and Characterization of Thermostable, Alkaline, Detergent and H₂O₂ Resistant Cellulase (CMCase) from a Novel Strain *Bacillus* sp. CY8 Isolate. *Journal of Applied Biological Sciences* 8 (2): 50-54.
- A.3. (2014)** VALIPOUR, E., CAF, Y., and ARIKAN, B., Isolation and Characterization of a Novel Acidophilic, Halotolerant and Cold-adaptive Cellulase (CMCase) from a Native Isolate *Bacillus* sp. *Journal of Applied Biological Sciences* 8 (3): 01-05.
- A.4. (2014)** CAF, Y., VALIPOUR, E., and ARIKAN, B. Study on Cold-Active and Acidophilic Cellulase (CMCase) from a novel psychrotrophic isolat *Bacillus* sp. K-11. *Int.J.Curr.Microbiol.App.Sci* 3(5): 16-25.
- A.5. (2014)** CAF, Y., VALIPOUR, E., and ARIKAN, B. Isolation and Characterization of Alkaline, Halotolerant, Detergent-Stable and Cold-Adaptive α -Amylase from a Novel Isolate *Bacillus* sp. Calp12-7. *Int.J.Curr.Microbiol.App.Sci* 3(4): 950-960.
- A.6. (2013)** ARABACI, N., CAF, Y., MAASOGLU Y., and ARIKAN B., Partial Purification and Characterization of Thermostable, Alkaline and Chelator resistant Protease from a Newly Isolated *Bacillus* sp. CY7 and its potential applications in various industries, *Journal of Applied Biological Sciences* 7: 14-19.
- A.7 (2013)** UZUMCU Z., CAF, Y., VALIPOUR E., MAASOGLU Y., and ARIKAN B., Isolation of Cold Shock Protein profiles from *Pseudomonas* sp. Strains and Analyses of SDS-PAGE, *Journal of Applied Biological Sciences* 7: 33-36).
- A.8. (2012)** CAF, Y., MAASOGLU Y., VALIPOUR E., and ARIKAN B., Production and characterization of novel cold-active, pH tolerant and detergent-stable: α -amylase from a psychrotrophic bacterium from soil samples, *New Biotechnology*, 29:23–26).

Congress Contributions

- B.1. CAF, Y., and BUYUKLEYLA, M.,** Genetic Engineering of Metabolic Pathways of *Escherichia coli* to Enhance Production of Itaconic Acid, *International Congress on Natural and Engineering Sciences (ICNES)*; P63. September 01-05, 2016, Macedonia.
- B.2. CAF, Y., and ARIKAN, B.,** Cloning and Expression of Keratinase gene in *E. coli* rosetta (De3) plys from *Bacillus licheniformis* C11 and optimization of fermentation conditions for the production of keratinase by recombinant strain, *8th International Science and Technology Conference (ISTEC)*, June 13-15, 2016, Vienna.
- B.3. CAF Y., VALIPOUR E. ve ARIKAN B.,** Optimization and Strain Improvement by UV and EMS for Enhanced Production of Keratinase in *Bacillus* sp. C-11, *III. International Cogress of the Molecular Biology Association*, P45. September 10-12, 2014, Izmir Institute of Technology.

B.4. ARABACI N., VALIPOUR E., DINIGUZEL O., SARACOGLU N., **CAF Y.**, KOCAMAZ S. and ARIKAN B., An Alkaline, thermostable and thermophile serine protease from *Bacillus* sp. AB12, III. International Congress of the Molecular Biology Association, P53. September 10-12, Izmir Institute of Technology.

B.5. VALIPOUR E., **CAF Y.** and ARIKAN B., Optimization of extracellular tyrosinase enzyme production from native *Bacillus* sp. Isolate, III. International Congress of the Molecular Biology Association, P44. September 10-12, Izmir Institute of Technology.

B.6. VALIPOUR, E., **CAF, Y.**, and ARIKAN, B., Isolation and characterization of a novel acidophilic, halotolerant, and cold-adaptive cellulase (CMCase) from a native isolate *Bacillus* sp., 3th International Molecular Biology and Biotechnology Congresses, sayfa: 226. June 02-06, 2014, Sarajevo Bosnia and Herzegovina.

B.7. **CAF Y.**, ARABACI N. and ARIKAN B., Isolation and characterization of thermophilic, thermostabil, alkaline, and H₂O₂ resistant Cellulase (CMCase) from a novel strain *Bacillus* sp. CY-8 isolate, 3th International Molecular Biology and Biotechnology Congresses, sayfa: 122. 02-06. June 02-06, 2014, Sarajevo Bosnia and Herzegovina.

B.8. **CAF Y.**, ARABACI N. and ARIKAN B., Isolation and characterization of thermophilic, thermostabil, alkaline, and H₂O₂ resistant Cellulase (CMCase) from a novel strain *Bacillus* sp. CY-8 isolate, International Journal of Arts & Sciences (IJAS) Conference, V3NA268. April 14-18, 2013, Vienna.

B.9. TURUS N., SARACOGLU Z.N., ARABACI N., **CAF Y.**, TANRISEVER D., HALISKARANFIL S., HÜRTAS I.S., VALIPOUR E., KORKMAZ GÜVENMEZ H., ARIKAN B. ve MAASOGLU Y., Alkalifil Psikrofilik *Bacillus* sp. NB 16 Suşundan Üretilen Yeni Cold Aktif, H₂O₂ ve Triton X-100'e Dirençli Proteaz Enziminin Karakterizasyonu, 21. Biology Conference, PC-138. September 03-07, 2012, Ege Uni., Turkey/Izmir.

B.10. ARABACI N., **CAF Y.** ve ARIKAN B., *Bacillus* sp. CY7' den Yeni İzole Edilen Termostabil, Alkalın ve Şelatör-dirençli Proteazın Kısmi Saflaştırılması, Karakterizasyonu ve Çeşitli Endüstrilerdeki Potansiyel Uygulamaları, 2.Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, S109. November 15-18, 2012, Turkey/ Antalya.

B.11. MAASOGLU Y., **CAF Y.**, VALIPOUR E. ve ARIKAN B., Partial Purification and Characterization of Alkaline, Thermostable and Cold Active α -Amylase from Native *Bacillus* sp. CALP12-7, 2nd National Molecular Biology and Biotechnology Congresses, S122. November 15-18, 2012, Turkey/ Antalya.

B.12. UZUMCU Z., **CAF Y.**, MAASOGLU Y., VALIPOUR E. and ARIKAN B., Isolation of Cold Shock Protein profiles from *Pseudomonas* sp. Strains and Analyses of SDS-PAGE, 2nd National Molecular Biology and Biotechnology Congresses, S146. November 15-18, 2012, Turkey/ Antalya.

B.13. **CAF Y.**, MAASOGLU Y., VALIPOUR E. and ARIKAN B., *Production and characterization of novel cold-active, ph tolerant and detergent-stable: α -amylase from a psychrotrophic bacterium from soil samples, 15th European Congress on Biotechnology, Poster 1.5.04. September 23-26, 2012, Turkey/ Istanbul.*

B.14. **CAF, Y.**, ARABACI, N., SARAÇOĞLU, Z.N., VALIPOUR, E., HALISKARANFİL, S., GÜVENMEZ, H.K., and ARIKAN, B. Türkiye Doğal İzolat Termofilik *Bacillus* sp. CY-8 Suşundan Termostabil, Alkalın, Deterjan ve H₂O₂'ye Dirençli CMCaz Enziminin İzolasyonu ve Karakterizasyonu 21. National Biology congress , September 03-07, 2012, Ege Uni., Turkey/ Izmir.

Registrations of Gene Sequences in the Gene Bank (NCBI)

C.1. *Bacillus thuringiensis* strain Calp12-7, 16S ribosomal RNA gene, 2014, GenBank: KJ591008.1, Caf,Y., Valipour, E. and Arikan, B.

C.2. *Bacillus sonorensis* strain CY-3, 16S ribosomal RNA gene, 2014, GenBank: KJ792468.1, **Caf,Y.**, Arikan, B. and Valipour, E.

C.3. *Bacillus licheniformis* strain C11, 16S ribosomal RNA gene, 2016, GenBank: KY009692.1, **Caf,Y.**

Scientific Journals as Referees

Preparative Biochemistry & Biotechnology

2019- still continue

Certificates

D.1. Risk-Based Thinking Technique, 2019, Certificate No: 100502760172. Istanbul Business Institute.

D.2. Basic Occupational Health and Safety, 2019, Certificate No: 100502760172. Istanbul Business Institute

D.3. 3th international Congress On Molecular Biology and Biotechnology 2014, Sarajevo, (Poster)

D.4. III. International Congress of the Molecular Biology Association 2014, Izmir Institute of Technology, Turkey (Poster)

D.5. International Journal of Arts & Sciences Conference (IJAS) 2013, Vienna (Speakers & Poster)

D.6. 2nd National Congress On Molecular Biology and Biotechnology 2012, Antalya, Turkey (Poster)

D.7. 15th European Congress On Biotechnology 2012, Istanbul, Turkey (Poster).

D.8. 9th European Symposium On Biochemical Engineering Science (ESBES) 2012, Istanbul, Turkey (Poster).

D.9. 32nd International Symposium on the Separation of Proteins, Peptides and Polynucleotides (ISPPP) 2012, Istanbul, Turkey (Poster).

D.10. 21st National Congress On Biology 2012, Izmir, Turkey (Poster).

D.11. European Biotechnology Congress 2011, Istanbul, Turkey (Poster).