

Mehdi Kargar Resume

Curriculum Vitae (CV)

Personal Details:

Name: Mehdi Kargar

Date of Birth: 14 may 1976

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Google scholar address: <https://scholar.google.com/citations?user=6QFVWgQAAAAJ&hl=en>



Education and Qualifications:

- Graduated from Islamic Azad University, Jahrom Branch, in Bachelor of microbiology, Iran, (September 2001).
- Graduated from Islamic Azad University, Jahrom Branch, in master of microbiology, Iran, (September 2016).

Master Thesis:

- Scale-up of Ureolytic Bacteria under Non-Sterile Conditions and its Potential Application in Consolidation of Sand Particles

Work Experiences and Skills:

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- The Founder of the **CBSALife Ltd.** Company established in 2020 (**Canada**) in the field of research and production of molecular cellular products such as: Cell culture medium and DNA and RNA extraction kits.
- The Founder of the **AntiMyce Ltd.** Company established in 2020 (**Canada**) in the field of research and production of Biotoxin.
- The Founder of the **Bio-Stromatech Ltd.** Company established in 2021 (**Canada**) in the field of research and production of Bicement.
- The owner of the Cell biotechnology Saba Arna company established in 2015 in the field of research and production of molecular cellular products such as: Cell culture medium and DNA and RNA extraction kits.
- Laboratory expert at Islamic Azad University, Shiraz branch since 2015.
- Expert of the Microbiology Research Laboratory of Fars University of Science and Research from 2012 to 2015.
- Expert of the Laboratory of Microbiology of Masters and Ph.D. at Azad University of Jahrom from 2001 to 2012.
- Capable of isolating any microorganism from different environments, capable of performing various molecular tasks including PCR, RT.PCR, molecular identification of bacteria, and all microbiology and bacteriology.
- Helping more than 300 undergraduate and postgraduate students to do practical work in the dissertation. Member of Young and Elite Research Club of Jahrom Islamic Azad University from 2013 to present.

No.	Brand	Web site	Country	Establish
1	CBSA	www.cbsalife.ir	Iran	2015-10-05
2	CBSALife	www.cbsalife.com	Canada	2020-03-24
3	AntiMyce	www.antimyce.com	Canada	2020-07-06
4	Bio-stromatech	www.bio-stromatech.com	Canada	2021-03-23
5	Abbadis-life	www.abbadis-life.com	Finland	Soon
6	Badram		Finland	

Articles published in international journals (ISI, ISC) and publications:

- **Mehdi Kargar** - Sadegh Chashnigar - Dr. Mohammad Kargar- General separation of cold-blooded forms from surface waters of Jahrom city, second congress of Tonekabon student biotechnology, 2003.
- Dr. Mohammad Kargar - Dr. Hamideh Tabatabaei - Dr. Mahboubeh Saijloo - Dr. Firouz Abbasian - Dr. Farshid Kafilzadeh - Dr. Shohreh Shahmohammadi - Siamak Mahmoudi Sivand - **Mehdi Kargar** - Hamed Khodaei - Saeedeh Sadat Razavi - Sarah Sadeghipour - Dr Talat Mokhtari Azad- Evaluation of the rotation of non-polio enteroviruses in Tehran sewage systems in RD and Hep2 cell cultures directly and using two methods of Pellet and Two-phase condensation - Third Iranian Congress of Experimental Virus - February 2005 21-23 Jan 2006.
- Dr. Mohammad Kargar - Dr. Hamideh Tabatabaei - Dr. Mahboubeh Saijloo - Dr. Firouz Abbasian - Dr. Farshid Kafilzadeh - Dr. Shohreh Shahmohammadi - Siamak Mahmoudi Sivand - **Mehdi Kargar** - Hamed Khodaei - Saeedeh Sadat Razavi - Sarah Sadeghipour - Dr Talat Mokhtari Azad- Surveying the environment of poliovirus in sewage in Tehran and identification of isolated viruses in cell culture by micronutralization and differentiation between the line by ELISA and propi hybridization methods - Third Iranian Congress of Virology - January 21-23, 2006.
- Dr. Mohammad Kargar - Saeedeh Sadat Razavi - Seyyed Hamed Khodaei - Dr. Mahboubeh Saijloo - Dr. Hamideh Tabatabaei - Dr. Shohreh Shahmohammadi - **Mehdi Kargar** - Maryam Ghodsi - Talat Mokhtari Azad - Dr. Rakhshandeh Nategh Evaluation of environmental rotation of non-polio enteroviruses in sewage and surface waters of Sistan and Baluchestan province in RD and Hep-2 cell culture classes directly and using two methods of Pellet and Two-phase doping methods –October 2005 Quarterly Journal of Infectious Diseases and Tropical Medicine - Page 33 to 44.

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- Dr. Mohammad Kargar - Saeedeh Sadat Razavi - Seyyed Hamed Khodaei - Dr. Mahboubeh Saijloo - Dr. Hamideh Tabatabaei - Dr. Shohreh Shahmohammadi - **Mehdi Kargar** - Maryam Ghodsi - Talat Mokhtari Azad - Dr. Rakhshandeh Nategh- Peripheral rotation of non-porous enteroviruses in Tehran's sewage systems in RD and Hep-2 cell culture media directly and using two methods of Pellet and Two-phase condensation - Journal of School of Public Health and Institute of Public Health Research - Summer 83rd Third issue - Page 37-48.
- Sara Sadeghpour, Dr. Mohammad Kargar, Dr. Hamideh Tabatabaee, Dr. Firouz Abbasian, **Mehdi Kargar**, Dr. Shohreh Shahmohammadi, Dr Rakhshandeh Nategh, epidemiological study of infection of epidemic enteroviruses in sewage system of Tehran, the twenty-fifth Congress of Virology America, July 15, July 15 -17, 2006.
- Mohammad Kargar - Farshid Kafilzadeh - Abdolreza Daneshmand - **Mehdi Kargar** and Mohammad Sobhani - Evaluation of fresh cheeses without salt contaminated with brucella in the city of Jahrom and villages around the first milk festival in the north of the country - 2005 - Page 132 to 137.
- Mohammad Zareian - Dr. Mohammad Kargar - Abbasali Rezaian - Nima Mirzaei - Mehdi Kargar - An Investigation of Antibiotic Resistance Pattern and Resistance to Mercury Metal from Fars Clinic Factories - Third Congress of Microbiology of Iran - Kerman - Asfand, 86 - Page 258.
- Sadegh Chashnigar - **Mehdi Kargar** - Mehdi Amiri - Dr. Mohammad Kargar - Investigation of Contamination of Air Microorganisms in Livestock Around Jahrom City - Second Tonekabon Student Biotechnology Congress - May 2003
- Nima Mirzaei, Dr. Farshid Kafilzadeh, Dr. Mohammad Kargar, **Mehdi Kargar** - Isolation, identification and determination of Mercury resistance in isolated bacteria of the Kor river. - The 9th Congress of Microbiology of Iran - March 2008 - Page 49.
- Nima Mirzaei, Dr. Farshid Kafilzadeh, Dr. Mohammad Kargar, **Mehdi Kargar** - Study of the Effect of Mercury on the Growth of Isolated Bacteria from

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- Contaminated Areas - 9th Iranian Congress of Microbiology - March 2008 - Page 50.
- Nima Mirzaei, Dr. Farshid Kabilzadeh, Dr. Mohammad Kargar, **Mehdi Kargar** - Study on the regeneration of toxic metal Mercury reduction into elemental Mercury by isolated bacteria from the Kor river- The 9th Congress of Microbiology of Iran - March 86 - Page 124
 - Amin Akbarizadeh, Dr. Mohammad Kargar, Dr. Ramin Yaghoobi, **Mehdi Kargar**, Tahere Elahi - Monitoring rotavirus infections, bacterial and parasitic infections in children under 5 years admitted to hospitals in Jahrom- 9th Iranian Congress of Microbiology - March 2008 – Page 306
 - Mohammad Kargar, Roohi Afkari, Reza Inaloo, **Mehdi Kargar**, Sadegh Ghorbani dalini 1391.Molecular identification of oxalate degrading lactobacilli in patients with calcium oxalate stones. Quarterly Journal of South Medicine. Fall 2012 - The 15th Year, No. 3, pp. 192-183.
 - **Mehdi Kargar**, Mohammad Zareian Jahromi, Mohammad Kargar and Reza Robati.Prevalence of Pathogenic Genes of *Escherichia coli* O157:H7Strains from Patients with Urinary Tract Infections in Iran. Journal of pure and applied microbiology, October 2014.
 - **Mehdi Kargar**, Mohammad Zareain Jahromi, Mahmood Najafian, ParastooKhajeaian, Reza Nahavandi, Sareh Raeiszadeh Jahromi and Mohammad Firoozinia. Identification and molecular analysis of mercury resistant bacteria in Kor River, Iran.African Journal of Biotechnology Vol. 11(25), pp. 6710-6717, 27 March, 2012.
 - Nima Mirzaei, Hilda Rastegari, **Mehdi Kargar**. Antibiotic Resistance Pattern Among Gram Negative Mercury ResistantBacteria Isolated From Contaminated Environments. Jundishapur J Microbiol. 2013 December; 6(10):2013.
 - Mehdi Kargar, Mohammad Kargar, Mohammad Zareian Jahromi, AkramNajafi, SadeghGhorbani-Dalini. Molecular detection of ESBLs production and antibiotic

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resistance patterns in Gram negative bacilli isolated from urinary tract infections. Indian journal of Pathology and microbiology-57(2), 2014.

- Mohammad Zareian Jahromi, Mohammad Kargar, **Mehdi Kargar**. Frequency of Short Tandem Repeat Alleles in Prisoners in Fars Province, Iran. Journal of Isfahan Medical School. Vol. 30, No. 216, 2nd Week, February 2013. (Persian)
- Aliyar Pirouzi, Mohammad Jafari, **Mehdi Kargar**, Mehdi Mohsenzadeh, Mohammad Mehdi Feizabadi, Rouhi Afkari. Molecular Detection of Simultaneous Occurrence of Antibiotic- and Heavy Metal-Resistance in Klebsiella Pneumoniae Isolated from Urinary Tract Infection. Journal of Isfahan Medical School. Vol 30, No 186, 4th week, June 2012.
- Mohammad Javad Nowrooz Nejad, Mohammad Kargar, **Mehdi kargar**, Kavoods Ayaz Pour, Sareh Raeiszadeh Jahromi. Evaluation the effect of native rhizobial treatment, animal manure and urea fertilizer on the growth of alfalfa plants in Fars province. Journal of Microbial World. Volume 2, No. 4, February 2010. (Persian)
- Kafilzadeh F, Mirzaei N, **Kargar M**. Isolation and identification of mercury resistant bacteria from water and sediments of Kor River, Iran. Journal of Microbial World. Volume 1, No. 1, Winter 2009. (Persian)
- Mohammad Kargar, Sayed Hadi Razavizadegan, Kavoods Eshraghian, Mohammad Yaghob Rajpout, Sadegh Ghorbani-Dalini1, **Mehdi Kargar**. Role of Rapid Urase test in comparison with PCR for *Helicobacter Pylori* Infection diagnosis. Journal of Microbial World. Volume 2, No. 1, 2009. (Persian)
- Marjan Shah Illi, Mohammad Kargar, Abbas Ali Rezaeian, Maryam Homayoon, **Mehdi Kargar**, Sadegh Ghorbani-Dalini. Evaluation of virulence genes of Shiga toxin producing *Escherichia coli* from juice purchase and vegetables in Shiraz. Journal of Microbial World. Volume 3, No. 1, May 2010. (Persian)

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- **Mehdi Kargar**, Mohammad Zareian Jahromi and Mohammad kargar. Allele Frequencies for Six STRs LOCI with Criminals in Fars Province, Iran. Biosciences biotechnology research asia, December 2014.
- **Mehdi Kargar**, Mohammad Kargar, Mohammad Javad Nowrooz Nejad, Kavous Ayazpour. Advances in Environmental Biology, 8(17) September 2014.
- Mahmood Najafian, Mohammad Zareain Jahromi, Mohammad Javad Nowroznehad, Parastoo Khajeaian, **Mohammad Mehdi Kargar**, Mehdi Sadeghi, Amir Arasteh. Phloridzin reduces blood glucose levels and improves lipids metabolism in streptozotocin-induced diabetic rats. Mol Biol Rep (2012) 39:5299–5306.
- **Kargar m**, Kargar m. Monitoring of biocement and biogROUT producing bacteria in desert habitats of Iran. Journal of Microbial World. 2018. Vol 14(1). P: 51-60.
- **Kargar M**, Jamali J, Sadeghi M. Investigating association of human-specific derived alleles of CD33 and other genes with Lifespan of Iranians. mljgoums. 2019; 13(5): 19-25.

Research Activities:

- Participating in the training of the cloning of heterologous genes with the management of Sinagen in the Cellular and Molecular Biology Research Center of the Tehran Medical Sciences College - August 2006
- Cloning workshop organizer at Islamic Azad University, Jahrom Branch, on Feb. 85 and Oct. 86 (course manager).
- Holding a PCR and Cloning workshop at Islamic Azad University, Fars Science and Research Branch in February 2011 (course manager).

Executor of plan in:

- Investigating the relationship between lifetime CD33 genes in people over 70 years of age

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Employer: Islamic Azad University, Shiraz Branch, Young and Elite Research Club

- Outbreak of E. coli O157: H7 pathogenic genes isolated from patients with urinary tract infections in Shiraz, from 2014 to 2015

Employer: Islamic Azad University Jahrom Branch Young and Elite Research Club

The following isolated indigenous bacteria most effective in the urease activity were identified by molecular analysis and subsequently registered in NCBI GenBank:

- ✓ *Bacillus fortis* strain MK [accession number](#) KT862901
- ✓ *Bacillus lentus* strain MK [accession number](#) KT862902
- ✓ *Bacillus lentus* strain MK [accession number](#) KT862896
- ✓ *Sporosarcina pasteurii* strain MK [accession number](#) KT862894
- ✓ *Bacillus graminis* strain MK [accession number](#) KT862903
- ✓ *Bacillus graminis* strain MK2 [accession number](#) KT862895
- ✓ *Bhargavaeace cembensis* strain MK [accession number](#) KT862897
- ✓ *Virgibacillus campisalis* strain MK [accession number](#) KT862898
- ✓ *Escherichia fergusonii* strain MK [accession number](#) KT862899
- ✓ *Escherichia fergusonii* strain MK2 [accession number](#) KT862900

The following isolated indigenous bacteria most effective in the ketinase activity were identified by molecular analysis and subsequently registered in NCBI GenBank:

- ✓ *Streptomyces rochei* strain MK AntiMyce 1976 [accession number](#) MW326449
- ✓ *Streptomyces youssoufiensis* strain MK AntiMyce 1976 [accession number](#) MW326450