

Dr Mehran KianiRad

Personal Data:

Date of Birth: July28, 1963 **Place of Birth:** Shiraz. Iran

Address: Biotech. Department, IROST, No7, Forsat street, Enghelab Ave., Tehran, Iran

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EDUCATION

Ph.D : Soil Scienc Engineering-Field of Soil biotechnology (2009) from Tehran University, Agricultural and natural Resource College ,Soil Science Engineering Dept.

Title of Ph.D thesis: Fractionation of humic substances of compost and their effects on Iron and Zinc uptake by soybean in a calcareous soil

MSc: Soil Biology&Biotechnology, (1994) from Tehran University, Agricultural and natural Resource College ,Soil Science Engineering Dep.

Title of MSc thesis: Survey on the effect of Phosphate solubilizing microorganisms in reducing the rate of phosphate fertilizers application on soybean

Position

Assistant prof.of IROST

Scientific faculty member of Biotechnology Department of IROST (1991-Present)

EXPERIENCE

Project Manager :

1. Lab scale product Production of **Fungal rennet**1990
2. Cyanobacteria Isolation and Identification in North of Iran, 1991
3. Semi-industrial production of **compost** , 1994
4. Isolation , Identification and production of Phosphate solubilizer microorganisms, 1994
5. **Transfer technology of Industrial production** of Microbial Phosphate fertilizer(10.000Ton/year) , 1996
6. Biofilter production for Ammonia and Nitrite transformation in aquaculture system, 1997

7. Design and construction of. Solid State bioreactor for **compost and mushroom** biomass production, 2000
8. Semi- industrial production of Single cell protein from **Pleurotus florida** and *Saccharomyces servisia* for rainbow feedstuff, 2001
9. Semi- industrial Liquid Blood fertilizer production,2005
10. **Compost** production from waste wood in Chooka company, 2006
11. Isolation and identification of degrading bacteria of oil spill in Persian gulf sediments(2010)
12. Odor decreasing of **municipal compost** in Mashhad plant (2010)
13. Semi industrial production of **Oyster** (2011)
14. Biomulch production for dust & sand storm control(2012-2014)
15. Lab scale production of **liquid spawn** of *Agaricus bisporus*(2016 upto now)

Co Manager projects:

1. Lab scale production of Microbial Xanthane 1991
2. Semi industrial **Fungal** production of insecticides,1991
3. Lab scale Bioremediation of Lead and Zinc, 1992
4. Lab scale production of Soysauce from *Aspergillus oryze*, 1992
5. Study of on **decay of woods** in large cooling towers,1995

PUBLICATIONS

- Farahani, F. M. Mazaheri Assadi, **M.KianiRad**, Soltani, N.1999.Isolation, Identification and Protein Estimation of *Spirulina maxima* from Caspean Sea. J. Research and Construction. 43:66-7
- Ghassemi, H.,M.Mazaheri Assadi, **M.KianiRad**.2000.Glycerol Production from Marine *Dunalliella salina*. J.Research and Reconstruction, 58:79-85.
- Zare Davood,**Mehran Kianirad**, 2005Comparison of yield of Beta caroten in airlift fermentor.J.Research and Construction. 64:1-7
- **M kianirad**,M Muazardalan,Gh Savaghebi,M Farahbakhsh,S Mirdamadi,2010,Effect of temperature treatment on Corn cob composting and reducing time:acomparative study,J of Waste Managemrnt &Research 28: 882–887
- Mahdi Bahemmat,,Mohsen Farahbakhsh **MehranKianirad** 2016 Humic substances-enhance electroremediation of heavy metals contaminated soil, Journal of Hazardous Materials 312 : 307–318
- Nazila SoleymanzadehSaeed Mirdamadi **Mehran Kianirad** 2016 Antioxidant activity of camel and bovine milk fermented by lactic acid bacteria isolated from traditional fermented camel milk (Chal) 96:443–457

- Meysam Rahbari ,**Mehran Kianirad**, Seyed Mohammad Heydarian ,Seyed Saeed Mirdamadi 2016 The Effects of Temperature, Salt, and pH on Xanthan Infiltration in Sandy Soil Soil Sci. Soc. Am. J, 80:1135–1144
- M.Mohammadi Sichani, M.Mazaheri Asadi A Farazmand, **M Kianirad** ,AM Ahadi.2016 Bioremediation of soil contaminated crude oil by Agarcomycetes Iranian Journal of health science& Engineering JEHE-D-16-00069
- Paria Motahari Saeed Mirdamadi ,**Mehran Kianirad** 2017 Safety evaluation and antimicrobial properties of *Lactobacillus pentosus* 22C isolated from traditional yogurt DOI 10.1007/s11694-017-9471-z
- Mehrnaz Esmailzadeh, **Mehran Kianirad**, Ali Sheykhinezhad, Alireza Khosravi 2017
- Ganoderic acid and exopolysaccharide production by *Ganoderma lucidum* from semi-Solide state and submerged fermentation (Submitted)