

## **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)