



PERSONAL INFORMATION:

Full Name: Reza Ghorbani Nasrabadi

Nationality: Iranian

Academic Level: Associate Professor

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EDUCATION:

University of Tabriz

Tabriz, Iran

B.Sc. in Soil Science

University of Tehran

Karaj, Iran

M.Sc. in Soil Science (Soil Biology)

Thesis Title "Effect of microbial sulfur fertilizer on nitrogen fixation by *Bradyrhizobium japonicum*-soybean symbiosis".

University of Tehran

Karaj, Iran

Ph.D. student in Soil Science (Soil Biology & Biotechnology)

Thesis Title "Isolation of phytate degrading actinomycetes from different soil ecosystems of Golestan province and identification of superior isolates".

RESEARCH INTEREST:

Soil enzymology, Actinobacteria, Biofertilizer, Phytase

PUBLICATION:

Refereed Journal Articles

R Ghorbani Nasrabadi, R Greiner, E Mayer-Miebach, D Menzes-Blackburn. 2023. Phosphate Solubilizing and Phytate Degrading *Streptomyces* Isolates Stimulate the Growth and P Accumulation of Maize (*Zea mays*) Fertilized with Different Phosphorus Sources. *Geomicrobiology Journal* 40 (4),

E Sadeghi, **R Ghorbani Nasrabadi**, SA Movahedi, H Etesami. 2022. Actinobacterial and fungal strain enriched wheat straw as an effective strategy for alleviating the effect of salinity stress on soil chemical and biochemical properties. *Chemical and Biological Technologies in Agriculture* 9 (1), 1-12.

M Arghideh, SH Hoseinifar, **R Ghorbani Nasrabadi**, M Mazandarani, ... 2022. Evaluation of Soil-Derived *Streptomyces chartreusis* KU324443 Effects as Probiotic on Growth Performance, Antioxidant Enzyme Activity, Mucosal and Serum Immune Parameters, and Related Gene Expression in Common Carp (*Cyprinus carpio*) Fingerlings. *Aquaculture Nutrition*. Volume 2022, Article ID 2278130, 9 pages <https://doi.org/10.1155/2022/2278130>

R Khodadadi, **R Ghorbani Nasrabadi**. 2022. Evaluation of *Streptomyces* inoculation and soil application of silicon on growth and nutrient concentration in soybean. *Journal of Agricultural Engineering*. 45, 1.

E Sadeghi, **R Ghorbani Nasrabadi**. 2022. Effect of wheat residue enriched with *Pleurotus* on microbial characteristics osaline soil. *Journal of Agricultural Engineering*. 44, 4.

E Sadeghi, **R Ghorbani Nasrabadi**, SA Movahedi Naeeni. 2021. Effect of wheat residue enriched with *Streptomyces anurea* on available phosphorus and some soil microbial characteristics in laboratory conditions. *Journal of Soil Management and Sustainable Production* 11 (3), 139-158.

M Hashemi Tazangi, S Ebrahimi, **R Ghorbani Nasrabadi**, SAM Naeeni. 2021. Assessment of TPH attenuation during remediation of gasoil-contaminated Soil using active carbon modifier in pilot study. *Journal of Water and Soil Conservation* 28 (1), 183-200

A Forouzi, A Ghasemnezhad, **RG Nasrabad**. 2020. Phytochemical response of Stevia plant to growth promoting microorganisms under salinity stress. *South African Journal of Botany*. 6 (2): 217-236.

MH Tazangi, S Ebrahimi, **RG Nasrabadi**, SAM Naeeni. 2020. Kinetic monitoring of bioremediators for biodegradation of gasoil-polluted soil. *Water, Air, & Soil Pollution* 231 (8), 1-13

R. Ghorbani-Nasrabadi, Greiner, R., Yamchi, A and Nourzadeh, E. 2018. A novel purple acid phytase from an earth worm cast. *Journal of the Science of Food and Agriculture*. 98(10): 3667-3674

Ebadi,A., Khoshkholgh Sima, N.A., Olamaee, M., Hashemi, M., **Ghorbani Nasrabadi, R.** Remediation of saline soils contaminated with crude oil using the halophyte *Salicornia persica* in conjunction with hydrocarbondegrading bacteria. *Journal of Environmental Management*. 219: 260-268.

Ebadi,A., Khoshkholgh Sima, N.A., Olamaee, M., **Ghorbani Nasrabadi, R.**, Hashemi, M. 2018. Isolation and Characterization of Biosurfactant Producing and Crude Oil Degrading Bacteria from Oil Contaminated soil. *Iran J Sci Technol Trans Sci*. **42: 1149-1156.**

Ebadi,A., Khoshkholgh Sima, N.A., Olamaee, M., Hashemi, M., **Ghorbani Nasrabadi, R.** 2017. Effective bioremediation of a petroleum-polluted saline soil by a surfactant-producing *Pseudomonas aeruginosa* consortium. *Journal of Advanced Research*. 8: 627-633.

A.A. Ardeshiri, , **R. Ghorbani-Nasrabadi**, M. Barani Motlagh and A. Movahedi Naeeni. 2016. Screening and identification of phosphate solubilizing bacterial isolates from rhizosphere soil of maize and soybean. *journal of agronomy engineering*. 39(2): 69-86.

F. Tashakori, **R. Ghorbani-Nasrabadi**, M. Barani Motlagh and S.A.R. Movahedi Naeeni. 2016. Evaluation of phenotypic and growth promotion characteristics of rhizobia isolated

from soybean root nodules. Journal of Soil Management and Sustainable Production. 6(2) 45-64.

E. Nourzadeh Roshan, **R. Ghorbani-Nasrabadi**, M. Barani Motlagh and A. Yamchi. 2015. Study of some growth promotion properties of bacterial isolates from animal manures and identification of selected isolates. Journal of Soil Management and Sustainable Production. 5(3) 129-144.

R. Ghorbani-Nasrabadi, P. Aghaz Nashtifani and M. Zebarjadi. 2014. Evaluation of soil Streptomyces sp. plant growth promotion traits and potential application in enhancing early maize growth and P uptake. Journal of Soil Management and Sustainable Production. 4(3):195-213.

R. Ghorbani-Nasrabadi, R. Greiner, H. A. Alikhani, J. Hamedi and B.Yakhchali. 2013. Distribution of actinomycetes in different soil ecosystems and effect of media composition on extracellular phosphatase activity. Journal of soil science and plant nutrition. 13(1) 223-236.

N. Ghaderi, M. Olamaee, M.H. Arzanesh, **R. Ghorbani Nasrabadi**, M. Ghazaeen and M. Sebti. 2013. Effect of Different Isolates of *Azospirillum* on the Yield and Uptake of N, P and K in Canola . Water and soil science. 23 (1): 259-273.

R. Ghorbani-Nasrabadi, R. Greiner, H. A. Alikhani and J. Hamedi. 2012. Identification and determination of extracellular phytate-degrading activity in actinomycetes. World J Microbiol Biotechnol. 28:2601–2608.

R., Ghorbani-Nasrabadi, H. A., Alikhani, J. Hamedi, , B.Yakhchali and R. Greiner. 2013. Evaluation of actinomycetes abundance and isolation of phytate degrading actinomycetes in different soil ecosystems. Journal of Soil and Water Conservation (accepted).

R. Mohammadi, M. Olamaee, **R. Ghorbani-Nasrabadi** and M. Chakeralhoseini. **2010**. Effect of urea fertilizer, organic matter and plant growth promoting rhizobacteria on N uptake and yield of wheat (*Triticum aestivum* C.V Alvand). Journal of plant production. 17(2): 77-92

S. Shamsi-Mahmoudabadi, F. Khormali, **R. Ghorbani-Nasrabadi** and M. H. Pahlevani. **2010**. The effect of plant cover and land use on soil quality parameters on loess soils, Agh-Su, Golestan. Journal of Soil and Water Conservation. 17(4):125-139

B. Kamkar, **R. Ghorbani-Nasrabadi**, S. M. Alimagham and T. Ebrahimi. **2009**. A study on the effect of soybean and cotton residues on nitrogen mineralization and on the microbial community dynamism in the soil. Environmental Sciences. 7(1) 149-160.

F. Khormali and **R. Ghorbani-Nasrabadi**. **2009**. Origin and distribution of clay minerals in the three climatic regions of eastern Golestan province. Journal of agricultural sciences and natural resources. 16(3) 27-38.

M. Sebti, S.E. Movahedi, **R. Ghorbani-Nasrabadi** and G.A. Roshani. **2009**. A suitable soil plant available potassium extractant for a loess soil with illite dominance in clay fraction and the effects of Azotobacter and vermicompost on wheat yield, potassium uptake and tissue concentration. Journal of plant production. 16 (4) 59- 76.

O.H. Shalihar, Sh. Ayoubi, F. Khormali and **R. Ghorbani-Nasrabadi**. **2008**. Assessment of soil quality indicators in different rice rotation system in Dasht-Sar district, Amol, Mazandaran province. Journal of agricultural sciences and natural resources. 15(6) 64-74.

R. Ghorbani-Nasrabadi, A. Gharanjik and S.E. Razavi. **2007**. Canola residues management effect on some microbial indices. Journal of agricultural sciences and natural resources. 14(1) 43-52

F. Khormali, **R. Ghorbani-Nasrabadi** and R. Amoozade-Omrani. **2005**. Variations in soil properties as affected by deforestation on loess-derived hillslopes of Golestan province, northern Iran. Sociedade & Natureza, Special Issue, 440-445,

R. Ghorbani-Nasrabadi, N. Saleh-Rastin and H. A. Alikhani. 2002. Effect of microbial sulfur fertilizer on nitrogen fixation by *Bradyrhizobium japonicum*-soybean symbiosis. Journal of Soil and Water. 16, 63-72.

ACADEMIC TEACHING EXPERIENCE:

Soil Biology, General Soil science, Soil microbiology, Advanced soil microbiology, Soil enzymology, Rhizosphere biochemistry,

AWARDS:

Production of bacterial bio fertilizer. The first festival for selection of the best innovative ideas from students of university of Tehran. 19.12. 2009.

LANGUAGES: Persian, English.



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