



PhD in Environmental Pollution,  
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## ۱- Personal Details

- Name : Alireza Pourkhabbaz
- Place & Date of Birth : Iran, ۲۲ December ۱۹۶۹
- Occupation: Department of Environmental Sciences, University of Birjand- Birjand, Iran  
P.O.Box. ۹۷۱۷۵-۳۳۱

## ۲- Current position

- Associate Professor, Department of Environmental Sciences, University of Birjand, Birjand - Iran  
P.O.Box. ۹۷۱۷۵-۳۳۱, Tel:+۹۸-۵۶-۳۲۲۰۲۵۴۰۴۳-۷
- Dean of Non-Government University of Hormozan, , Birjand , South Khorasan, Iran, Tel:+۹۸-۵۶-۳۲۴۲۵۲۵۲, +۹۸-۵۶-۳۲۴۲۵۱۵۱
- Manager of Environmental Consular Co. of Naibandan,

## ۳- Related Formal Educations

- Bachelor of Environmental Sciences, Faculty of Natural Resources, University of Tehran, ۱۹۹۱-۱۹۹۵
- Master of Environmental Sciences, Faculty of Natural Resources , University of Tehran, ۱۹۹۵-۱۹۹۷
- Germany Language learning, ۲۰۰۳
- Ph.D. student in Environmental pollution, George-August University of Göttingen, Germany, ۲۰۰۳-۲۰۰۷

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## ۴- Professional Training

- **Researcher and lecturer**, Department of Environmental Sciences, Environment Faculty, Birjand University, Birjand –Iran, ۱۹۹۷ to date
- **-Teaching experience:** Environment and human,, Sea Pollution, Waste management, Chemical of Pollutants, Environment pollution and Project and Dissertation supervisor
- -All of my work experiences have involved working within a team-based culture; I have successfully undertaken various team projects within both academic and non-academic environments.
- **Community activities:** Educational and Cultural, Environmental consular



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## ۵- Invention

Dust detector device and sampling of air particles – Patents number: ۵۸۷۰۵ Date: ۰۶/۰۵/۲۰۰۹

## ۶- Research Projects (In brief)

- Residual Waste Master Plan Studies city of Birjand, Khosf and surrounding villages
- Plan Studies of Solid Waste Management of Asadieh city and surrounding cities
- Plan Studies of Solid Waste Management of city of Kashmar and surrounding cities
- The study of municipal waste of Sarbisheh city
- and ...
- Waste Management Action Plan lattice steel plant
- Slaughterhouse waste management action plan of Khavarpisheh
- Waste Management Action Plan mining company Mynakan
- Check the air quality of Bojnourd city on the AQI
- Determination of environmental pollution in mangrove wetlands in Hormozgan
- Determination of zinc toxicity on black fish (*Capoeta fusca*)
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## ۷- Publication

۱. -**Pourkhabbaz Alireza** and Pourkhabbaz Hamidreza, ۲۰۰۱, The major environmental disturbances present century (acid rain, the ozone layer, global warming), Publication; Astan Ghods, Mashhad, Iran (In Persian)
۲. -**Pourkhabbaz Alireza**, Pourkhabbaz Hamidreza, Javanmardi Saeideh, ۲۰۱۱, System Waste management and recycling of solid waste, Tehran, Iran (In Persian)
۳. -Pourkhabbaz Hamidreza and **Pourkhabbaz Alireza**, ۲۰۱۱, Locating a sample of municipal solid waste landfill, Tehran, Iran (In Persian)
۴. **Pourkhabbaz Alireza**, Pourkhabbaz Hamidreza, Javanmardi Saeideh, ۲۰۱۱, Air pollution and its effects on trees ۱۳۹۰, Tehran, Iran (Translated to Persian)
۵. **Pourkhabbaz.A.R.**, ۲۰۰۷, The influence of air pollution on Plane, Cuvillierverlag, Goettingen, Germany.

## ۸- Summary of National and International conferences

۱. **Pourkhabbaz H.R.** and Pourkhabbaz A.R. ۲۰۰۴, Metals concentrations in trees leaves from urban area. First International Air Pollution and Combustion Conference. Ankara, Turkey.
۲. **Pourkhabbaz A.R.**, Rastin N., Polle A. Gravenhorst G., Langenfeld-Heyser R., ۲۰۰۵, Response of Urban trees to the Deposition of Air pollution in Central Khorassan, Iran. Third International Conference on Plants & Environmental Pollution. Lucknow, India.
۳. **Pourkhabbaz A.R.**, Rastin N. Polle A., Gravenhorst G., Langenfeld-Heyser R., ۲۰۰۶, Effect of heavy metal deposition on Platanusorientalis leaves. Symposium: Forests in a changing Environment. Göttingen, Germany.
۴. **Alireza Pourkhabbaz**, ۲۰۱۰, The Influence of Environmental Pollution on Leaf Properties of Plant. International Conference and Workshops. National University of Ireland, Galway.
۵. **Alireza Pourkhabbaz** and Hamidreza Pourkhabbaz, ۲۰۱۲, Acute toxicity test of mercuric chloride on black fish. 9th international Symposium on Environmental Geochemistry, Aviro. Portugal, ۲۰۱۲.



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٦. **Alireza Pourkhabbaz** and Hamidreza Pourkhabbaz, ٢٠١٣, The metals Toxicology on freshwater fish tissues, ١٠th international Symposium on Environmental Geochemistry, Aviro. Portugal, ٢٠١٣.
٧. **Alireza Pourkhabbaz**, Hamidreza Pourkhabbaz, (٢٠١٤), Environmental Sciences, Dubai, UEA,
٨. **Alireza Pourkhabbaz**, HR. Pourkhabbaz, S. Javanmardi, S. Arghavani (٢٠١٥), ICEII ٢٠١٥, Seoul, South Korea.
٩. **Alireza Pourkhabbaz**. Use of GF-AAS metode for determination of metal in Cigarette brands. ٤th National Seminar on Chemistry and Environment. ٢٧-٢٨ April ٢٠١٠.
١٠. Mohsen Norouzi, Fatemeh Hagizadeh, **Alireza Pourkhabbaz**. Simulation of Distribution of Gas Diffusion from Landfill Locations using Model-maker Program, Land GEM(Case Study: Shiraz). ٤th National Seminar on Chemistry and Environment. ٢٧-٢٨ April ٢٠١٠.
١١. Samira Behraves, Mohammad Ebrahimpour, **Alireza Pourkhabbaz**, Hadi Babaei, Rahimeh Baramaki, Tahereh Khazaei. Heavy Metal Concentrations in Water from South-west Part of Anzali Wetland. ٤th National Seminar on Chemistry and Environment. ٢٧-٢٨ April ٢٠١٠.
١٢. Samira Behraves, **Alireza Poorkhabbaz**, Tahereh Khazaei. Output Pollutants of Cement Industries and their Effects on Vegetation Density. ٤th National Seminar on Chemistry and Environment. ٢٧-٢٨ April ٢٠١٠.
١٣. Fatemeh Hajizadeh, Mohsen Norouzi, **Alireza Pourkhabbaz**. Biogas Energy from Livestock Waste. ٤th National Seminar on Chemistry and Environment. ٢٧-٢٨ April ٢٠١٠.
١٤. Mohsen Ahmadpour, **Alireza pourkhabbaz** and Seyed Mahmoud Ghasempouri, Determination of metal level of mercury in Common teal (Anas crecca), with regard to gender, from Feridonkenar international wetland, The ٢nd Conference on Environmental Planning and Management, ١٥-١٦ MAY ٢٠١٢, University of Tehran.
١٥. Mohsen Ahmadpour, **Alireza Pourkhabbaz** and Seyed Mahmoud Ghasempouri, The use of Common coot (Fulica atra) in biomonitoring of mercury pollution in southern coast of Caspian Sea, The ٢nd Conference on Environmental Planning and Management, ١٥-١٦ MAY ٢٠١٢, University of Tehran
١٦. Hossein Alipour, Solaiman Rakhsha, **Alireza Pourkhabbaz**, Mohamad Ebrahimpour Kasmani (٢٠١٢) Influence of water hardness on acute toxicity of copper on black fish, The ٦th national conference on world environment day.



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۱۷. Hossein Alipour, Mohammadreza Rezaei, **Alireza Pourkhabbaz** (۲۰۱۲) Survey of municipal solid waste landfills of the Bojnourd Township the index oleckno, The ۶th national conference on world environment day.
۱۸. Hossein Alipour, **Alireza Pourkhabbaz**, Mehdi Hassanpour (۲۰۱۳) Risk assessment of metals (chromium and lead) by consumption of Rutilus rutilus caspicus from Miankaleh wetlands international. ۲۱st National Congress of Food Science and Technology
۱۹. Mehdi Hassanpour, Hossein Alipour, **Alireza Pourkhabbaz** (۲۰۱۳) Estimation of health risks for metals (Cd and Ni) by consumption of Astrabad vobla from Caspian Sea, ۲۱st National Congress of Food Science and Technology
۲۰. ...
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۱۰۳. Fadaei Enseihe, **Pourkhabbaz Alireza**, Biazar Samaneh, Bosaeidi Najmeh, Removal of Dissolved Chromium (VI) by the Cottonwastas Natural Adsorption, The ۱st international confrence on Enviroment crisis and its solution, Kish ۲۰۱۳
۱۰۴. **Pourkhabbaz Alireza**, Fadaei Ensihe, Biazar Samaneh, , Removal of Chromium (VI) by the Cotton wast as Natural Adsorption from waste water, The ۱st international confrence on Enviroment crisis and its solution, Kish ۲۰۱۳
۱۰۵. Khosravi Marzieh, **Pourkhabbaz Alireza**, population health Risk due to Dietary intake of metals in Alosa caspia south of Caspian sea." International congress on animal products, Mashhad ۲۰۱۳
۱۰۶. Sinka karimi, **Pourkhabbaz Alireza**, Mehdi Hassanpour, Ghasempouri Human health risks from consuming of two popular waterfowl in southeast of Caspian Sea, International congress on animal products, Mashhad ۲۰۱۳

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## ۹- Papers in Persian

۱. Pourkhabbaz H.R. and **Pourkhabbaz A.R.** ۲۰۰۷. The study of air pollution of Mashhad City with determination of heavy metals on tree leaves. Journal of Science of Ahvaz University, ۲۰: ۱۴
۲. Javanmardi S, Pourkhabbaz H.R. and **Pourkhabbaz A.R.**, ۲۰۰۹ The study of ecosystem and Biogeography of Kolahghazi park, Sepehr, ۱۲: ۵۷-۶۲
۳. Mahdi Hassanpour, Sayad Narges Aghajairi, **Alireza Pourkhabbaz**, Rasul Ghorbani, ۲۰۱۱, Measurement of Metals Zinc and Iron in Coot (*Fulica atra*) and Gammarus (*Pontogammarus aaeoticus*) from Wetlands International Gomishan, Journal of Wetland Ecobiology, ۱۰: ۹-۱۶
۴. Khadijeh Pashmi, **Alireza Pourkhabbaz**, ۲۰۱۲, Accumulation of toxic metals of cadmium and lead in the deciduous teeth of children, Birjand University of Medical Sciences, ۱۹ (۱): ۹۶-۱۰۵.
۵. Mehdi Hasanpour, **Alireza Pourkhabbaz**, Rasoul Ghorbani, ۲۰۱۲, The measurement of heavy metals in water, sediment and wild bird (Common coot) from southeast Caspian Sea, J Mazandaran University of Medical Science, ۲۲(۱): ۱۸۴-۱۹۴.
۶. Rajaei, Q., Hajrezaei, F., Maheini S., **Pourkhabbaz, A.R.**, ۲۰۱۲, An Analysis of Physical-Chemical Properties and Quality of Underground Agriculture and Drinking Water in Southern Khorasan Province, Environmental researches, ۵ : ۱۳-۲۴
۷. Rajaei, Q. **Pourkhabbaz, A.R.**, Hesari Motlag Samaneh, ۲۰۱۲. Measuring Heavy Metals in Groundwater of Ali Abad Katoul Plian: Health Risk Assessment, North Khorasan University of Medical Sciences, ۴(۲): ۱۵۵-۱۶۲.
۸. Ebrahiem Hoshiari, **Alireza Pourkhabbaz**, ۲۰۱۲, A study of heavy metals (Pb, Zn, Cd) accumulation in different tissues of Sebrija gull (*Larus heuglini*) from Hara Bisophere Environmental Sciences , ۹ (۲): ۸۹-۱۰۰.
۹. Mahdi Hassanpour, **Alireza Pourkhabbaz**, Ghasem Rajae. ۲۰۱۲, Determination lead, Chromium and Iron contamination in edible tissue of Common coot in Ghomishan international Wetland, Journal of Livestock Reaserch, ۱(۱): ۲۵-۳۳.
۱۰. Sayad Narges Aghajairi, Mahdi Hassanpour, Rasul Ghorbani and **Alireza Pourkhabbaz**, ۲۰۱۲, Measurement of Lead and Iron concentrations in water, sediment and Gammarus in the Gomishan International Wetland, Journal of Wetland Ecobiology, ۱۳: ۱۹-۲۶
۱۱. Khazaei T, **Pourkhabbaz AR**, ۲۰۱۲, The study of metals concentration in fine surface sediments from Anzali Wetland, Journal of Wetland Ecobiology, ۱۱: ۴۷-۵۶



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۱۲. Khazaei T, **Pourkhabbaz AR**, ۲۰۱۲, Determination of pollution intensity of heavy metals in the sediments from Anzali Wetland, Environmental Sciences, ۱۰:۵۳-۶۴
۱۳. Rajaei, Q., **Pourkhabbaz, A.R.**, Naemi, A., Pourkhabbaz, ۲۰۱۲ H.A, Evaluation and Determination of underground water Quality (Case study: Ali Bad katoul), Environmental researches, ۶: ۱۷-۲۶
۱۴. Sahar Mohammad Nabizadeh, **Alireza Pourkhabbaz**, ۲۰۱۳, Bioaccumulation of elements (Cd, Cr, Pb, Ni) in the tissues of the *Sillago sihama* and *Platy Cephalus indicus* from Hara Biosphere, Veterinary Journal of Iran, ۹: ۶۴-۷۰
۱۵. **Pourkhabbaz Alireza**, Yalda Mohseni, ۲۰۱۳, The study of Bioaccumulation and Elimination of Copper in Blackfish (*Capoeta fusca*) Organs from the East Qantas of Iran, Veterinary Journal (Pajouhesh & Sazandegi) ۹۷: ۲۹-۳۷
۱۶. Khadijeh Pashmi, **Alireza Pourkhabbaz**, ۲۰۱۳, Study of copper and zinc metals in deciduous teeth' children from Birjand City, Journal of Mashhad Dental School; ۳۶ (۴) : ۲۷۱-۲۷۸
۱۷. Ensiye Fadaei, **Alireza Pourkhabbaz**, Gholamreza Nabibidhendi, Mohammad Javad Amiri, Ahmad Jamshidi, Hadi Valehi, ۲۰۱۳, Removal of dissolved Chromium (VI) by adsorption onto *Elaeagnus angustifolia* fruit charcoal, Jujube fruit charcoal and comparison with Granular Activated Carbon (GAC), Journal of Environmental Studies, ۳۹:۱۳-۲۲
۱۸. Behravesht Samira, **Pourkhabbaz Alireza**, ۲۰۱۳, graining effect on the accumulation of heavy metals in surface sediments of the South West Anzali, Journal of Wetland Ecobiology. ۵:۷۰-۸۲
۱۹. Mohammad Hosein Sinka Karimi, **Ali Reza Pourkhabbaz**, Mehdi Hassanpour, Mahmoud Ghasempouri, ۲۰۱۳, Determination of metals in tissues of mallard (*Anas platyrhynchos*) and risk assessment of food consumption in the southeastern Caspian Sea. Journal of Wetland Ecobiology, ۵: ۷۹-۹۰
۲۰. Marzie Khosravi, **Ali Reza Pourkhabbaz**, Mehdi Hassanpour, ?, The use fish *Clupeonella cultiventris caspia* and *Alosa caspia* as a biological indicator of metal pollution in the southern Caspian Sea, Journal of Wetland Ecobiology, (In press)
۲۱. Esmaeilpour A, Pashmi K, **Pourkhabbaz A.R.**, ۲۰۱۴, Determination of copper, zinc and chromium levels in tissues from sheep and goats slaughtered in Birjand, Iran, Veterinary Journal (Pajouhesh & Sazandegi), ۱۰۵:۲-۹





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۲۲. Pourkhabbaz Alireza, Pourkhabbaz Hamidreza, Javanmardi Saiedeh, Amiri Mohamad Javad, ۲۰۱۴, Multi-criteria decision making for urban development can be predicted using fuzzy logic model, J. Environmental Science, ۱۱: ۸۹-۹۸
۲۳. Zeynab Karimi Iraj, Ali Reza Pourkhabbaz, Mehdi Hassanpour, Mohammad Hosein Sinka Karimi, ۲۰۱۴, Bioaccumulation of Heavy Metals in Tissues of *Clupeonella Cultiventris Caspia* and *Alosa Caspia* and their Consumption Risk Assessment in the Southern Coast of Caspian Sea, J Mazandaran Univ Med Sci ۲۴(۱۱۸): ۹۹-۱۱۰
۲۴. Sahar Mohammad Nabizadeh, Alireza Pourkhabbaz, ۲۰۱۴, The study of heavy metals (Cd and Ni) bioaccumulation in tissues of *Platycephalus indicus* on wetland of Hara, The Science and Engineering of Environment, ۱: ۳۹-۴۴
۲۵. Pourkhabbaz Alireza, Zohre Shirvani, Mohamad G Ghaderi, ۲۰۱۵, Biomonitoring of air pollution in city regions using trees *Platanus orientalis* and *Fraxinus excelsior* (Case study: Shiraz), Journal of Environmental Studies, ۴۱(۲): ۳۵۱-۳۶۰
۲۶. Mohammad Hosein Sinka Karimi, Alireza Pourkhabbaz, Mehdi Hassanpour, ۲۰۱۵, Studying the use of water and waterfowl organs for evaluation of metal pollution (case study: Miankaleh and Gomishan international wetlands), Journal of Wetland Ecobiology, ۲۳: ۱۵-۲۸
۲۷. Bent-olhoda Sangak Sani, Majid Jami Al-Ahmadi, Alireza Pourkhabbaz, ?, Pollution of heavy metals (cadmium, nickel & lead) in some farms Torbat Jam, Journal of Soil Researches, (In press)
۲۸. R. Baramaki, M Rezaei, M Ebrahimpour, H Babaei and Alireza Pourkhabbaz, ۲۰۱۵, Compersion of bioaccumulation factor of heavy metals in two fish species (*Esox lucius* and *Carassius gibelio*) from Anzali Wetland. Journal of Wetland Ecobiology, ۲۴: ۷۹-۹۰
۲۹. Mohamad Nabizadeh Sahar, Alireza Pourkhabbaz, Reza Afshari, ۲۰۱۵, The study of heavy metal (Zn and Cu) on fish tissues (*Pampus argenteus*, *Liza klunzingeri*), Sanandaj University of Medical Sciences, ۲: ۴۰-۴۸
۳۰. S. Sadeghi Bajgiran, Alireza Pourkhabbaz, M.Hasanpour, M.H. Sinka Karimi, ۲۰۱۶, A study on Zinc, Nickel, and Vanadium in fish muscle of *Alosa caspia* and *Sander lucioperca* and food risk assessment of its consumption in the southeast of the Caspian Sea, Iran. J. Health & Environ., ۲۰۱۶, Vol. ۸, No. ۴



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۳۱. **Pourkhabbaz Alireza**, Khosravi Marzieh, Hasanpour Mehdi, ۲۰۱۶, Using *Clupeonella cultiventris caspia* and *Alosa caspia* as bioindicator of metal pollution in Khazar sea, J Wetland Ecobiology, ۲۶:۵-۱۴
۳۲. **Pourkhabbaz Alireza**, Nazeri Marzieh, The study concentration of some heavy metal in Khalij Fars biosphere reserve, ۲۰۱۶, Journal of Oceanography, ۲۶:۲۳-۳۲
۳۳. Sanaz Khamar, **Alireza Pourkhabbaz**, Reza Dahmardeh Behrooz, ۲۰۱۶, Detrmination of Mercury in Breast-Milk, Hair Case study: Zahedan city, Natural Environment Journal. (in press)
۳۴. Mohsen Ahmadpour, **Alireza Pourkhabbaz**, **Mahmod Ghasempouri**, ۲۰۱۶, Determination of Hg level in tissues of Birds (Changar and Khotga) at Feridounkenal wetland, Journal of Environmental Study, ۳:۵۰۵-۵۱۶



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## ۱۰- Papers in English

1. **Pourkhabbaz A.R.**, Polle A., Rastin N., Langenfeld-Heyser R., ۲۰۱۰, Influence of Environmental Pollution on Leaf Properties of Urban Plane Trees, *Platanus orientalis* L., Bulletin of Environmental Contamination and toxicology, ۸۵:۲۵۱-۲۵۵.
2. **Alireza Pourkhabbaz**, Tahereh Khazaei, Samira Behraves, Mohammad Ebrahimpour, and Hamidreza Pourkhabbaz, ۲۰۱۱, Effect of Water Hardness on the Toxicity of Cobalt and Nickel to a Freshwater Fish, *Capoeta fusca*, Biomed Environ Sci, ۲۴(۶):۶۵۶-۶۶۰. doi:۱۰.۳۹۶۷/۰۸۹۵-۳۹۸۸,۲۰۱۱,۰۰,۰۰۰
3. Borhan Mansouri, **Alireza Pourkhabbaz**, Hadi Babaei, Homayoon Farhangfar, ۲۰۱۱, Experimental Studies on Concentration and Depuration of Cobalt in the Selected Organs of Fresh Water Fish *Capoeta fusca*, World Journal Of Fish and Marine Sciences ۳(۵):۳۸۷-۳۹۲.
4. **A.R Pourkhabbaz**, HR Pourkhabbaz, T Khazaei , S Behraves and M Ebrahimpour, ۲۰۱۱. Assessment of heavy metal accumulation in Anzali wetland, Iran, using a submerged aquatic plant, *Ceratophyllum demersum*, African Journal of Aquatic Science ۳۶(۳): ۲۰۱-۲۰۵.
5. Mohammad Ebrahimpour, **Alireza Pourkhabbaz**, Rahimeh Baramaki, Hadi Babaei, Mohammadreza Rezaei ۲۰۱۱, Bioaccumulation of Heavy Metals in Freshwater Fish Species, Anzali, Iran , Bulletin Environmental Contamination and Toxicology ۸۷:۳۸۶-۳۹۲.
6. **Alireza Pourkhabbaz**, Mohammad EbrahimPour Kasmani, Vahid Kiyani and Mohammad Hasan Hosynzadeh, ۲۰۱۱, Effects of water hardness and Cu and Zn on LC<sub>50</sub> in *Gambusia holbrooki*, Chemical Speciation and Bioavailability ۲۳(۴), ۲۲۴-۲۲۸.
7. Ebrahim Hoshiari, **Alireza Pourkhabbaz**, Borhan Mansouri, ۲۰۱۲, Contaminations of metals in tissues of Siberian Gull *larus heuglini*: Gender, age and Tissue Differences, Bulletin Environmental Contamination and Toxicology. DOI: ۱۰.۱۰۰۷/s۰۰۱۲۸-۰۱۲-۰۶۵۵-۲
8. Mansouri B, Hoshiari E, **Pourkhabbaz AR**, Babaei H ,۲۰۱۲, Assessment of Nickel Levels in Feathers of Two Bird Species from Southern Iran, Bird Conservation Society of Iran (Podoces) ۷: ۶۶ – ۷۱
9. **Alireza Pourkhabbaz**, Hamidreza Pourkhabbaz, ۲۰۱۲, Investigation of Toxic Metals in the Tobacco of Different Iranian Cigarette Brands and Related Health Issues, Iranian Journal of Basic Medical Sciences ۱۵(۱): ۱-۹
10. Mohammad Nabizadeh S, **Pourkhabbaz AR**, Afshari R, Norowzi M, ۲۰۱۲, Concentrations of Cd, Ni, Pb and Cr in the Two Edible Fish Species *Liza klunzingeri* and *Sillago sihama* Collected From Hara, Toxicology and Environmental Chemistry, ۲۰۴ (۶):۱۱۴۴-۱۱۵۱.



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