

Ali Zamanmirabadi

R&D manager

Plant Pathologist & seed production Researcher

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Education:

- | | |
|----------------------------|--|
| <i>Sep 2016 – 2022</i> | University of Zanjan
PhD student, Plant Pathology and Mycology
Zanjan, Zanjan, Iran |
| <i>Sep 2018 – Mar 2019</i> | School of Plant Biology, University of Western Australia, Australia
Visiting Researcher
-Perform next-generation sequencing
-Undertake genome-wide association studies
-Undertake training in statistical and data analysis software
Reference: http://www.batlelab.net/index.php/Ali_Zamanmirabadi
Reference: page 18 on table 1
http://www.ioa.uwa.edu.au/data/assets/pdf_file/0003/3400167/UWA0059-Institute-of-Agriculture-News-Apr19_W.pdf |
| <i>Sep 2006 – Aug 2008</i> | Gorgan University of Agricultural Sciences and Natural Resources
MS, Plant Pathology
Gorgān, Golestān, Iran |
| <i>Sep 1999 – Aug 2003</i> | Buali Sina University
BSc, Plant protection
Hamadan, Iran |

Experience:

Feb 2020-Present

R&D manager Oilseeds Research& Development Company (ORDC), Iran

- Management of oilseed Research designs in the country
- Identifying and research assessing requirements
- Applying new strategies for releasing new varieties
- Supervision Over Proper Execution of the seed production

Reference: <http://takato.ir/index.php/company/2020-02-04-06-59-55>

Reference: <https://www.ordc.ir/Page/TeamManager>

Director of ARSPC (Applied Research &Seed Production Center), Oilseeds Research& Development Company (ORDC), Iran

Jun 2007 – Feb2020

- Determining and implementing research activity and development strategies, policies and plans in centre
- Management of research staff and perform research designs (Fifteen employee and more than 15 research designs in each year)
- Executive of producing of oilseed new varieties
- Managing oilseeds seed production (Canola, Soybean, Flax)

June 2014-2019

Chief of Guild association of plant protection clinics Mazandaran province, Iran

- Establishment and management of Guild
- Developing communication with the different organizations and company for supporting clinics
- Organizing and arranging the related training
- Supervising educational workshop for experts

March 2017- Present

**Director of Culture Collection of ORDC
Registered in WDCM (World Data centre for Microorganisms)**

Management culture collection of Trichoderma spp include 530 isolates

Reference: http://www.wfcc.info/ccinfo/index.php/collection/by_id/1157/

Plant Protection Researcher (ORDC), Iran

Oct 2004 – Jun 2007

- Plan, schedule, execute, evaluate, analyze, interpret and report results of product trials and experiments
- An executive and primary co-worker of more than 60 research designs in the different regions of Iran (Travel to 20 provinces) on seed production of oilseeds.

Skills & memberships:

Skills Managing seed production, Pest, Diseases and weeds in oilseed crops (Canola, Soybean, Flax, sunflower and safflower), Performing of experimental designs, Extraction DNA, PCR, Electrophoresis, Statistical analysis, MS office programs,

Languages: Persian, English

Scientific Memberships

1. Member of Iranian plant pathology society
2. Member of Iranian Agricultural and Natural Resources Engineering
3. Iranian mycological society
4. Editorial board of Iranian oilseeds journal
5. Director in charge of Iranian monthly bulletin of oilseeds, ORDC

Honors/ ACHIEVEMENT / AWARD/ FELLOWSHIP:

National

Honoured by the ministry of agriculture

- 1- Production and Introduce **New Soybean variety** for Iran named **Aryan, 2015**
- 2- Production and Introduce **New Canola variety** for Iran named **Zaman, 2016**
- 3- Production and Introduce **New Canola variety** for Iran named **Mahtab, 2016**
- 4- Production and Introduce **First Flax variety** for Iran named **Takapoo, 2018**
- 5- Production and Introduce **Second Flax variety** for Iran named **Golchine, 2018**

References: <https://www.iribnews.ir/fa/news/2505523/%D9%85%D8%B9%D8%B1%D9%81%DB%8C-%D8%AF%D9%88-%D8%B1%D9%82%D9%85-%DA%A9%D8%AA%D8%A7%D9%86-%D8%AF%D8%B1-%D9%85%D8%A7%D8%B2%D9%86%D8%AF%D8%B1%D8%A7%D9%86>

International

Registration 438 of Fungal DNA sequences in NCBI (The National Centre For Biotechnology Information) United State, **Accession numbers include** MT316108, MT316109, MT316110, MT316111, MT316179, MT316180, MT316181, MT316182.

Available In: <HTTPS://WWW.NCBI.NLM.NIH.GOV/SEARCH/ALL/?TERM=ZAMANMIRABADI>

TEACHING EXPERIENCES

2015-2016 Sana Institute of higher education

2 semesters

Course Title	Course Type	Level
Crop Diseases	Technical	Associate's
Main Horticultural plants diseases	Technical	Associate's
Diseases & Pests management	Technical	Bachelor's
Horticultural plants Diseases	Technical	Bachelor's
Mycology	Technical	Bachelor's
Main crops & Horticultural Plants Diseases	Technical	Bachelor's

2014-2015 Sana Institute of higher education

Course Title	Course Type	Level
Protection & Support	Main	Associate's
Diseases & Pests management	Main	Bachelor's

2013-2014 Sana Institute of higher education

Course Title	Course Type	Level
Common Pharmaceutical Plants Diseases	Main	Bachelor's
Horticultural plants Diseases	Technical	Bachelor's

Journal Publications

1. Zamanmirabadi, A., Hemmati, R., Dolatabadian, A. and Batley, J., 2022. Genetic structure and phylogenetic relationships of *Leptosphaeria maculans* and *L. biglobosa* in Northern regions of Iran. Archives of Phytopathology and Plant Protection, 55(9), pp.1062-1081. <https://doi.org/10.1080/03235408.2022.2081653>
2. Zamanmirabadi, A., Hemmati, R., Dolatabadian, A. and Batley, J., 2021. Status of SSR, cSSR, iSSR and VNTR motifs in *Leptosphaeria maculans* based on high throughput sequencing data. Mycologia Iranica, 8(2), pp.95-107. <https://doi.org/10.22043/MI.2022.359536.1225>

3. Zamanmirabadi, A., Hemmati, R., Dolatabadian, A. and Batley, J., 2022. Current progress in studying blackleg disease (*Leptosphaeria maculans* and *L. biglobosa*) of canola in Iran: Where do we stand now?. *Plant Pathology*, 71(2), pp.239-250. <https://doi.org/10.1111/ppa.13501>
4. Najafian, L., Zamanmirabadi, A. and Khaleghi, F. 2020. An Overview of Challenges in Producing and Consuming Transgenic Products. *J Mazandaran Univ Med Sci.* 30(185): 154-172. <http://jmums.mazums.ac.ir/article-1-14671-en.html>
5. Zamanmirabadi, A., Rahnama, K., Sadravi, M. and Salati, M. 2020 Identification of *Leptosphaeria maculans* and *Leptosphaeria biglobosa* using some of the morphological characteristics in vitro. *Research in Plant Pathology*. 6(1)(In press).
6. Samadi G., Zamanmirabadi, A. Forozan, K. and Haghpanah, M. 2018. Assessment of Genetic Diversity among Peanut (*Arachis hypogea* L.) Germplasm Using Morphological Traits. *Plant Genetic Researches*, Vol. 5, No. 2, 85-94. <https://journals.lu.ac.ir/pgr/article-1-133-en.html>
7. Haghpanah, R., Hasanzadeh, Zamanmirabadi, A., M., Foroozan, K. and Talaei, S. 2018. Evaluation of the relationship between yield and yield components by sequential path analysis in peanut (*Arachis hypogaea* L.) genotypes. *Iranian Journal of Crop Sciences*. 19(2): 168-179. <http://agrobreedjournal.ir/article-1-922-en.html>
8. Zamanmirabadi, A., Haghpanah, M., Foroozan, K. and Talaei, S. 2018. Evaluating Multivariate Analysis Some of the Quantitative Traits in Imported Safflower (*Carthamus tinctorius* L.) Genotypes in Sari Location. *Journal of Crop Breeding* (in Press)
9. Mehdi Alamdarlou, R., Hasanzadeh, I., Zamanmirabadi, A., and Foroozan K. 2017 Evaluation of the efficacy of *Trichoderma* isolates in the biological control of soybean charcoal rot disease in the laboratory and greenhouse conditions. *Biocontrol in Plant Protection*. Vol. 5 (1). 71-80. DOI: 10.22092/BCPP.2017.116072
10. Zamanmirabadi, A., Rahnama, K., Sadravi, M. and Salati, M. 2015. Survey of some of the ascospore characteristics of rapeseed blackleg disease for differentiating *Leptosphaeria maculans* and *L. biglobosa* in some areas of Mazandaran and Golestan provinces. *Research in Plant Pathology*. 3(4): 27-44. http://rpp.miau.ac.ir/article_1966_en.html
11. Keypoor, A., Zarini, H. N. and Zamanmirabadi, A., 2015. Evaluation of Resistance to *Leptosphaeria maculans* in Some Varieties and Species of the Brassica Genus. *Journal of Crop Breeding*. 7(16). 27-33. <https://www.sid.ir/en/Journal/ViewPaper.aspx?ID=544799>
12. Samadi, M., Zamanmirabadi, A., Rammeah, V., Hasanpour, M. and Esmailifar, A. 2015. Evaluation of Agronomic Traits of Mutants Induced by Gamma Irradiation in PF and RGS003 Varieties of Rapeseed (*Brassica napus* L.). *Journal of Crop Breeding*. 7(15). 135-44. <https://www.sid.ir/en/journal/ViewPaper.aspx?id=544840>
13. Fazeli, F., Zarini, H. N., Arefrad, M. and Zamanmirabadi, A., 2015. Assessment of Relation of Morphological Traits with Seed Yield and Their Diversity in M4 Generation of Soybean Mutant Lines [*Glycine max* (L.) Merrill] Through Factor Analysis. *Journal of Crop Breeding*. 7(15). 47-56. http://jcb.sanru.ac.ir/browse.php?a_id=423&sid=1&slc_lang=en
14. Samadi, M. and Zamanmirabadi, A., 2014. Effects of gamma irradiation on yield and yield components of rapeseed. *J. Plant Prod. Res.* Vol. 21 (4), 193-201. http://jopp.gau.ac.ir/article_2189_en.html
15. Zamanmirabadi, A., Rahnama, K., Sadravi, M. and Salati, M. 2010 Identification, distribution, symptomology and population structure of the causal agents of rapeseed blackleg (*Leptosphaeria maculans* and *Leptosphaeria biglobosa*) in Mazandaran and Golestan provinces and determination of three common

cultivars susceptibility reaction of rapeseed. **Iranian Plant Disease**.45 (4) 285-267.
<https://www.sid.ir/fa/journal/ViewPaper.aspx?ID=117889>

16. Zamanmirabadi, A., K. Rahnama and A. Esmaeilifar, 2009. First report of pathogenicity group 2 of *Leptosphaeria maculans* causing blackleg of oilseed rape in Iran. **Plant Pathology**. 58. 1175.
<https://bsppjournals.onlinelibrary.wiley.com/doi/full/10.1111/j.1365-3059.2009.02132.x>

17. Zamanmirabadi, A., Pourmahdi Alamdarlou R., Esmaeilifar A. 2009. Report of *Coniothyrium minitans* on *Sclerotinia sclerotiorum* from Iran. **Journal Rostaniha**, 10(34):73-74.
<https://www.sid.ir/en/journal/ViewPaper.aspx?id=158106>

18. Zamanmirabadi, A., K. Rahnama, M. Sadravi and R. M. Alamdarlou, 2008. First report of *Leptosphaeria maculans* teleomorph on Canola stem in the north of Iran. **Journal Rostaniha**, 9(1) 128-130.
<https://www.sid.ir/en/journal/ViewPaper.aspx?ID=122787>

International Conference

1. Afshin Esmaeilifar. Zamanmirabadi, A., Rezapour Mehdi Alamdarlou, 2008. Evaluation efficacy of two herbicides from the imidazolinone group on rapeseed weeds control from Cruciferae family in Mazandaran province, Iran. **5th international weed science congress. Vancouver. Canada**

2. Zamanmirabadi, A., K. Rahnama, R.M. Alamdalou and A. Esmaeilifar, 2009. First report of rapeseed blackleg caused by pathogenicity group T (PGT) of *Leptosphaeria maculans* in Mazandaran province of Iran. **The 17th Australasian Plant Pathology Society. Australia**

3. Afshin Esmaeilifar, Mohammad Nezamabadi and Zamanmirabadi, A., 2009. Control of broomrape in Iran. **International symposium broomrape in turkey. Turkey**

4. R. Mehdi Alamdarlou, Zamanmirabadi, A., A. Esmaeilifar and K. Foroozan, 2009. Study on the effect of the number of spraying with fungicides on rapeseed *sclerotinia* stem rot control. **The 17th Australasian Plant Pathology Society Conference. Australia**

5. Zamanmirabadi, A., K. Rahnama, R. Mehdi Alamdarlou and A. Esmaeilifar, 2009. In vitro study on the effect of NanoSilver (Nanosid) on *Sclerotinia sclerotiorum* fungi the causal agent of rapeseed white stem rot. **The 17th Australasian Plant Pathology Society. Australia**

6. Zamanmirabadi, A., A. Esmaeilifar, A. Alian and R. M. Alamdarlou, 2009. First report of *Macrophominia phaseolina* on rapeseed stem in some provinces of Iran. **The 17th Australasian Plant Pathology Society. Australia**

7. M. samadi, Zamanmirabadi, A., M. Hasanpoor, A. Esmaeilifar, S.I. Janani, 2011. Production haploid and doubled haploid plants using microspore culture in Brassica species. **13th international rapeseed congress. Czech Republic**

8. Zamanmirabadi, A., Alamdarlou, R.M., Esmaeilifar, A., and Hasanzadeh, I. 2011. Sclerotinia stem rot disease of rapeseed in the north of Iran. **13th international rapeseed congress. Czech Republic**

9. Zamanmirabadi, A., Alamdarlou, R.M., Esmaeilifar, A., Janani, S.I. and Hasanzadeh, I. 2011. An evaluation of the effects of sowing date, variety and number of spraying on rapeseed pollen beetle control in Iran. **13th international rapeseed congress. The Czech Republic.**

National Conference

1. R. Mehdi Alamdarlou, Zamanmirabadi, A., and Fakharian, S. 2006. Antagonistic effect of *Coniothyrium minitans* on the sclerotia of *Sclerotinia sclerotiorum* in Mazandaran province. **17th plant protection Congress, Tehran, Iran, 469.**
2. Zamanmirabadi, A., Mehdi Alamdarlou, R., Esmailifar, A. and Fathi, H. 2010. Distribution of *Leptosphaeria maculans* in Iran. **19th plant protection Congress, Tehran, Iran. 332.**
3. Zamanmirabadi, A., Mehdi Alamdarlou, R. and Esmailifar, A. 2010. Evaluation Nano-silver on *Phoma lingam* in vitro. **19th plant protection Congress, Tehran, Iran. 849.**
4. Alian, S. A., Khosravi, V., Zamanmirabadi, A., and Safari Arbil, Z. 2010. *Macrophomina phaseolina* caused crown rot and plant death of strawberry in Mazandaran. **19th plant protection Congress, Tehran, Iran. 124.**
5. Alian, S. A., Khosravi, V., Zamanmirabadi, A., Amanzadeh, M. and Safari Arbil, Z. 2010. Sclerotinia crown rot of strawberry in Iran. **19th plant protection Congress, Tehran, Iran. 293.**
6. M. Samadi, Zamanmirabadi, A., A. Esmailifar and M. Hasanpoor, 2010. Production haploid and double haploid plants using microspore culture in Brassica species. **3rd international seminar on oilseeds& edible oils. 262.**
7. M. Hasanpour, Zamanmirabadi, A., A. Esmailifar and M. Samadi, 2010. Effect of genotype and culture on soybean anther callus Production. **3rd international seminar on oilseeds& edible oils. 250.**
8. R. Mehdi alamdarlou, M. A. Aghajani, S. a. Mahdian, Zamanmirabadi, A., and A. Esmailifar, 2010. Biology rapeseeds fungal diseases in the north of Iran and methods for controlling them. **3rd international seminar on oilseeds& edible oils. 314.**
9. R. Mehdi alamdarlou, M. A. Aghajani, S. a. Mahdian, Zamanmirabadi, A., and A. Esmailifar, 2010. Review of biologic control *Sclerotinia sclerotiorum* causal agent of rapeseed stem white. **3rd international seminar on oilseeds& edible oils. 318.**
10. Ragabi, M., Najafi, M.S., Deljo, A., fayazi, J. Daneshvar, M.H. and Zamanmirabadi, A. 2011. Genetic diversity and relationship of *Hirsutum* and *Herbaceum* cotton (*Gossypium* spp.) cultivated in Iran using microsatellite markers. **11 the Agronomy Congress. 29.**
11. Panjoo, M, Firouzabadi, F.N., Ismaili, A. and Zamanmirabadi, A. 2011. Semi-random markers(ISJ) have a better application on the evaluation of genetic diversity soybean genotypes. **7th national biotechnology congress of I.R. Iran.**
12. Hasanpoor, M., Zamanmirabadi, A., Esmailifar, A. and Samadi, M. 2011. Survey effect of growth regulators on callus induction by anther culture in Soybean (*Glycine max*) different varieties. **7th national biotechnology congress of I.R. Iran.**
13. Zamanmirabadi, A., Valiulahpor, R., Salehian, H. and Chitband, A.A., 2012. Damage assessment of wild mustard (*Sinapis arvensis* L.), Canada thistle (*Cirsium arvense* (L.) Scop.) and their combination on yield and yield components of canola in Neka. **4th Iranian weed science congress. 55-58.**

14. Zamanmirabadi, A., Valiulahpor, R., Khakzad, R., Salehian, H. and Chitband, A.A., 2012. Wild mustard (*Sinapis arvensis*) and sow thistle (*Cirsium arvensis*) removal time effect on yield and yield component of canola in Neka. **4th Iranian weed science congress.**
15. Samadi, M., Zamanmirabadi, A. and Foroozan, K., 2013. The critical collection, maintenance and conservation of seed germplasm resources of oilseed crops. **National conference of passive defence in agriculture.6265-6269.**
16. Abdolmanaf, S. S., Asghari, J., Moradi, P. and Zamanmirabadi, A. 2015. Study of yield and yield components of some imported cultivars of Soybean (*Glycine max* L.) as the second crop after rice. **The First National Conference on New Ideas in Sustainable Agriculture**
17. Zamanmirabadi, A. Roghayeh, H. and Batley, J. 2018. Management of blackleg disease of canola, *Leptosphaeria maculans*. **23rd Iranian Plant protection congress.126-27p.**
18. Mirabai, A.Z, Roghayeh, H. and Batley, J. 2018. A study of canola blackleg, *Leptosphaeria maculans* in Iran and the world. 23rd Iranian Plant protection congress.
19. Ghasemi, M., Sadravi, M. and Zamanmirabadi, A. 2018. Identification causal agent of canola blackleg from North of Iran and investigation of Trichoderma inhibitory effect on *Leptosphaeria maculans*. **23rd Iranian Plant protection congress.97-98p.**

Books

Rajabi, M., and Zamanmirabadi, A., 2013. Biological control of rice diseases. Daneshjo Pub. 105 Pp.

Thesis Advisor

1. Reisian, H., Najafi, H., Mousavi, S. A. A., Zamanmirabadi, A., Assessment of morphological characteristics yield and yield components of some **flax genotypes (*Linum usitatissimum*)** in spring cultivation in Mazandaran province. M.Sc. dissertation. Islamic Azad University Branch of Chalous. 2012.
2. Firozjaei, H.Y., Zarini, H.N. and Zamanmirabadi, A., Assessment of quality and quantity of mutants induced by Gamma Irradiation in soybean varieties. Sari Agricultural Sciences and Natural Resources University.2012.
3. Key Poor, A., Najafi, H., and Zamanmirabadi, A., Evaluation of Resistance to *Leptosphaeria maculans* in some varieties and Species of the Brassica Genus and progenies of Intera species Crosses of the Rapeseed, Sari Agricultural Sciences and Natural Resources University. 2012
4. Mohammadjani M., Najafi, H. Hashemi, S. H. R., and Zamanmirabadi, A. Assessment of genetic diversity in different **genotypes of Brassica spp.** Using NBS-LRR markers. Sari Agricultural Sciences and Natural Resources University. 2013.
5. Ghasemi, M., Sadravi, M., and Zamanmirabadi, A., Possibility of biocontrol of blackleg disease of colza with *Trichoderma* isolates. Yasoj University, 2013.
6. Dehghanzadeh, Rahnama, K., S., Maafi, Z. T., Heydari, R., and Zamanmirabadi, A., Evaluation of some **soybean** lines and cultivars susceptibility and resistance to soybean cyst nematode) *Heterodera glycines* (Ichinohe), Gorgan University, 2014.

7. Fazeli, F., Zarini, H. N., Arefrad, M. and Zamanmirabadi, A., Assessment of Gamma Irradiation different doses in M4 Generation of three different varieties of Soybean. Sari Agricultural Sciences and Natural Resources University.2014.

Research projects 2003-2015

No	Design name	Year	Responsibility	Code
1	Investigation of the rate of damage and control of Canola powdery mildew	2004-05	Main co-worker	Non-Code
2	Survey of Effect of Folicur and Alert fungicides on Canola <i>sclerotinia</i> disease	2004-06	Main co-worker	Non-Code
3	Biological control of stem white rot of <i>Sclerotinia</i> in canola field with Contans	2003-07	Main co-worker	Non-Code
4	Effect of Spraying Times on Control of Canola <i>Sclerotinia</i> Disease	2005-07	Main co-worker	8333 85332228p
5	Study of the effect of two new herbicides from Imidazolinone group on weed control of canola fields	2005-06	Main co-worker	84193
6	Identification and evaluation of biology, distribution and control of Canola blackleg disease in Golestan and Mazandaran provinces	2005-06	Main co-worker	84191
7	Comparative study of the efficacy of Folicur and Alert poisons in control of canola <i>Sclerotinia</i> disease	2005-06	Main co-worker	Non-Code
8	Isolation, Diagnosis and Study of Nematode Population and Pathogens groups in Soybean Fields, Mazandaran Province	2005-07	Main co-worker	843115
9	Isolation, diagnosis and study of fungal population and pathogen groups in soybean farms of Mazandaran province	2005-07	Executive	833216
10	Integrated management of canola pollen beetles using changing of planting date, cultivar type and spraying frequency in mountainous regions of Mazandaran province	2005-07	Executive	Non-Code
11	Investigation of compatibility of tolerant cultivars of <i>phoma</i> (spring rapeseed) in Gonbad and Gorgan research stations	2005-06	Main co-worker	Non-Code
12	Evaluation of yield and yield components as well as the survey of tolerance Different Canola for Blackleg	2005-06	Main co-worker	85332229p
13	Isolation and identification of <i>Phoma lingam</i> , Canola stem canker and determination of its pathogenic types in Iran	2007-08	Executive	Non-Code
14	Revival and assessment of different soybean varieties (90 genotypes)	2008	Main co-worker	Non-Code
15	Investigate the possibility of producing an asexual form of <i>Leptosphaeria maculans</i> Isolates obtained from Golestan and Mazandaran provinces under laboratory conditions	2008	Executive	Non-Code
16	Evaluation of genetic reserves of 29 Brassica species in Mazandaran province	2009-10	Executive	Non-Code
17	Isolation and identification of pathogenic fungi <i>Leptosphaeria maculans</i> The cause of stem canker disease in Iran and the	2009-11	Executive	Non-Code

	possibility of producing sexual form from isolates obtained from Golestan and Mazandaran provinces under laboratory conditions			
18	Investigation of induced mutants of gamma Irradiation to achieve optimal mutant lines in rapeseed	2009-10	Main co-worker	Non-Code
19	Evaluation of the 226 internal and external canola genotypes (America, Canada, Sweden and Germany).	2009-10	Executive	Non-Code
20	Evaluation of 263 soybean varieties	2009	Main co-worker	Non-Code
21	Production of double haploid through anther culture in the-Different Soybeans genotypes(<i>Glycine max</i>)	2010	Main co-worker	Non-Code
22	Assessment of 80 Safflower varieties (<i>Carthamus tinctorius</i>)	2010-11	Executive	Non-Code
23	Investigation of induced genetic variation of gamma irradiation to achieve optimal mutant lines in rapeseed	2010-11	Main co-worker	Non-Code
24	Use of Microspore for the production of rapeseed haploid lines for use in the production of hybrid cultivars	2010-11	Other executive	Non-Code
25	Evaluation of Genetic Reserves of 268 <i>Brassica</i> Species in Mazandaran Province	2010-11	Executive	Non-Code
26	Epidemiology of Sclerotinia stem rot of canola in Mazandaran province	1010-11	Main co-worker	Non-Code
27	Evaluation of 263 soybean cultivars	2011	Executive	Non-Code
28	Investigation of the sensitivity of different soybean cultivars (90 genotypes) to charcoal rot	2011	Executive	Non-Code
29	Assessment of 70 varieties of Flax Collection (<i>Linum usitatissimum</i>)	2011	Executive	Non-Code
30	Recovery and evaluation of different safflower genotypes	2011-12	Main co-worker	901118o1
31	Recovery and evaluation of different flax genotypes	2011-12	Main co-worker	901118o3
32	Survey of F1 population of The result of interspecies and intraspecific crosses of <i>Brassica</i>	2011-12	Main co-worker	905118o4
33	Collection and evaluation of germplasm of different varieties and species of Brassica	2011-12	Main co-worker	90118o5
34	Evaluation of agronomic traits of mutant lines	2011-12	Main co-worker	906418o2
35	Comparison and comparison of the yield of some canola autumn cultivars in the cold temperate region of Mazandaran	2012	Other executive	Non-Code
36	Investigation of Laboratory Efficiency of Different <i>Trichoderma</i> Species in Control of Soybean Coagulase Cartilage with Agent <i>Macrophomina phaseolina</i>	2012	Main co-worker	913118o8
37	Recovery and evaluation of different flax genotypes	2012-13	Main co-worker	91n218o17
38	Comparison of yield and yield components of new sunflower cultivars with common cultivars	2012-13	Main co-worker	922218o18
39	Study of some peanut genotypes in Mazandaran province	2012	Main co-worker	911118o6
40	Recovering and evaluating various soybean varieties	2012	Main co-worker	91n118o7
41	Comparison of the Effect of Natural Fertilizer Produced from Seaweeds and Consumption Times on Yield and Yield Components of Hyola 401	2012-14	Executive	912118o16 922218o24
42	Recovery and evaluation of different safflower genotypes	2012-13	Main co-worker	91n118o13
43	Collection and evaluation of germplasm of different varieties and species of <i>Brassica</i> (598)	2012-13	Main co-worker	91n118o12
44	Comparison and comparison of the performance of mutant lines and autumn cultivars obtained from correctional programs along with common cultivars of autumn in Khalkhil region	2012-13	Main co-worker	912118o11
45	Investigation of compatibility and comparison of the yield of	2012-13	Main co-worker	912118o10

	some mutant lines and cultivars obtained from breeding programs along with common spring cultivars			
46	Evaluation and selection in populations F2 resulted in the cross between different varieties of rapeseed	2012-13	Main co-worker	915118o15
47	Use of cytoplasmic sterility (CMS) B and restorer lines in the production of rapeseed hybrid	2012-15	Main co-worker	915118o14 925118o25 936318o37
48	Study of some peanut genotypes (100) in Mazandaran province	2013	Executive	92n118o21
49	Recovery and evaluation of 1847 different soybean genotypes	2013	Main co-worker	92n118o20
50	Evaluation of greenhouse effect of different isolates of <i>Trichoderma</i> in control of charcoal rot caused by <i>Macrophomina phaseolina</i>	2013-14	Main co-worker	923218o19
51	Recovery and evaluation of different safflower genotypes	2013-14	Executive	91n218o30
52	Assessment of the best varieties of spring rapeseed	2013-14	Executive	921118o27
53	Recovery and evaluation 598 Germplasm of different varieties and species of <i>Brassica</i>	2013-14	Main co-worker	91n318o28
54	Evaluation and selection in F3 populations resulted in the cross between different varieties of rapeseed	2013-15	Main co-worker	925118o23
55	Recovery and evaluation of Different genotype Flax	2013-14	Main co-worker	91n218o29
56	Recovering and evaluating more than 1,500 different soybean genotypes	2014	Main co-worker	Non-Code
57	Examining some of genotypes Peanuts in Mazandaran province	2014	Main co-worker	Non-Code
58	Recovery and evaluation of different safflower genotypes	2014-15	Executive	93n118o40
59	Regeneration and evaluation of different germplasm (598) of Brassica species	2014-15	Main co-worker	93n118o35
60	Evaluation of greenhouse efficiency of different isolates of <i>Trichoderma</i> in controlling of <i>Sclerotinia</i> rot of canola caused by <i>Sclerotinia sclerotiorum</i>	2014-15	Main co-worker	931118o38
61	Creating a fertility restorer line (Restorer) For using in rapeseed hybrid production program	2013-15	Main co-worker	925118o26 934118o36
62	Production and reproduction of 3 new rapeseed lines: Zaman, Mahtab and Mouje	2104-15	Main co-worker	Non-Code
63	Study of some peanut genotypes (85) in Mazandaran province	2014	Main co-worker	93118o33
64	Hybridization between different cultivars of canola, sunflower and peanut to achieve new lines	2014	Main co-worker	93118o32
65	Evaluating 1182 different soybean genotypes	2014	Main co-worker	93118o34
66	Genetic improving some of the canola cultivars through backcross method	2014	Main co-worker	935118042
67	Utilization of cytoplasmic male sterility in the canola hybrid production	2014	Main co-worker	936318037
68	Producing the canola restore lines through some genetic resources	2014	Main co-worker	934118036
69	Revival and assessment of 1043 soybean varieties	2015	Main co-worker	94118034
70	Hybridization of different soybean and peanut varieties to achieve F1 seeds	2014-15	Main co-worker	94n118o45
71	Revival and assessment of different soybean varieties	2016	Main co-worker	94118o34
72	Revival and assessment of 1597 soybean varieties	2016	Main co-worker	95118o34
73	Assessment of <i>Trichoderma</i> formulations for biological control of <i>Macrophomina phaseolina</i> , the causal agent of Soybean charcoal rot disease.	2016	Main co-worker	951118o56
74	Regenerating and surveying of some different genotypes of flax	2016-17	Main co-worker	95n118o56

	<i>(Linum usitatissimum)</i>			
75	Germplasm collection and evaluation of cultivars and different species of Brassica	2016-17	Main co-worker	95n118o57
76	Hybridization of different soybean and peanut varieties to achieve F1 seeds	2016	Main co-worker	951118o54
77	Molecular assessment of fertility restorer gene in the hybrid seed production program of rapeseed	2016	Main co-worker	951n18o52
78	Hybridization and selfing different varieties of flax, sesame and sunflower to achieve F1 and self1 seeds	2016	Main co-worker	951118O53
79	Germplasm collection and evaluation of different varieties and lines of sesame	2016	Main co-worker	951n18o54
80	Hybridization between different varieties of Soybean, peanut and sunflower to achieve F1 seed	2017	Main co-worker	961118o57
81	Assessment and selection in F2 and F3 population of crossing between different varieties of Soybean	2017	Main co-worker	963118o58
82	Genetic improvement of quantitative and qualitative traits of backcrossed results of canola	2017-18	Main co-worker	Non- code
83	Using cytoplasmic male sterility(cms) by creating mail sterile and maintainer lines in production of canola hybrid seeds	2017-18	Main co-worker	961118069
84	Assessment and selection in F3 population of crossing between different varieties of canola	2017-18	Main co-worker	969118068
85	Assessment and selection in F4 population of crossing between different varieties of canola	2017-18	Main co-worker	965118071
86	Evaluation F1 population of hybridization between different varieties of flax	2017-18	Main co-worker	Non- code
87	Crossing different canola varieties to crating new lines	2017-18	Main co-worker	969118070
88	Creating a fertility restorer line to use in the production of hybrid seeds	2017-18	Main co-worker	961118067
89	Molecular identification of 100 Trichoderma isolates	2018	Main co-worker	971OC9TA
90	Studying the segregated generations (F1, F2, F3, F4) of Soybean	2018	Main co-worker	9711418O81
91	Generating genetic diversity through the cross and studying the segregated generation (F2) peanuts	2018	Main co-worker	9717218O80
92	Causing genetic diversity through the cross and studying the generation (F1) sesame	2018	Main co-worker	9715218O81
93	Using cytoplasmic male sterility(cms) by creating mail sterile and maintainer lines in production of canola hybrid seeds	2018-19	Main co-worker	976C9TA
94	Assessment and selection in F4 population of crossing between different varieties of canola	2018-19	Main co-worker	974C9TA
95	Assessment and selection in F4 population of crossing between different varieties of canola	2018-19	Main co-worker	975C9TA
96	Creating fertility restorer line to use in the production of hybrid seeds program	2018-19	Main co-worker	973C9TA
97	Reproduction and assessment of 12 peanut varieties in Ardebil and Golestan provinces	2019	Main co-worker	981P10TA
98	Studying the segregating generations of F2, F3, F4 and F5 in Soybean	2019	Main co-worker	981Br9TA
99	Studying the segregating generations of F1 and F3 peanut	2019	Main co-worker	981P9TA
100	Evaluation of sunflower collection of Takato	2019	Main co-worker	981Su9TA
101	Revival and assessment of soybean lines and varieties	2019	Main co-worker	981S9TA
102	Reproduction and assessment of seed bank peanut varieties	2019	Main co-worker	981P9TA

Joint projects

No	Design name	Year	Partner organization	Responsibility
1	Determination of the threshold of broadleaf weed damage in Mazandaran rapeseed fields	2008-09	Mazandaran Agricultural and Natural Resources Research Center	Executive
2	Broader weed management of canola fields in wheat alternation in Mazandaran	2008-09	Mazandaran Agricultural and Natural Resources Research Center	Executive
3	Investigation of the sensitivity of some soybean cultivars to cyst nematode	2012	University of Tehran	Main co-worker

INTERNATIONAL RESEARCH PROJECTS:

1. Evaluations of spring rapeseed varieties and hybrids (**tolerance to blackleg**) in the Caspian Sea and warm southern regions. 2006 International design: IR2008000482

WORKSHOPS ORGANIZED:

1. A theoretical and practical seminar on the *Leptosphaeria maculans*, 7 March 2010; 28 November 2010, ORDC.
2. A theoretical and practical workshop on "Breeding soybean" 26 February – 2 March 2005, ORDC.

WORKSHOPS ATTENDED

1. Next-generation sequencing: miRNA-Seq data analysis, 2018. Pasteur Institute of Iran
 2. Workshop on Molecular Cloning & Bacterial Transformation, April 2011. The Biological Engineering laboratories (BEL)
 3. Workshop on Application of Genomics and Metagenomics in Microbial Biotechnology 23 to 26 October 2010, ABRII
 4. Workshop on Olive Pests and Diseases. 4 to 8 November 2008 ARNR (Agriculture Research & Natural Resources Mazandaran)
 5. Workshop management oilseeds (Breeding, Pathology, Agronomy and Economic production) 22 May to 30 January 2007 SPII (Seed and Plant Improve Institute)
 6. Workshop Phoma. 26 February 2006, Agricultural Research, Education and Extension Organization (AREEO)
 7. Workshop Soybean Cyst Nematode. 4 December 2005. Agricultural Research, Education and Extension Organization (AREEO)
 8. Workshop on Sclerotinia disease management in canola Dr Dilantha Fernando April 2005. The Ministry of Jihad-e-Agriculture.
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