| فرم اطلاعات سخنرانان کلیدی | |
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| **عنوان سخنرانی** | Water Scarcity, Climate Change and Food Systems in Middle East and Iran; Opportunities and Challenges. |
| **رئوس مطالب سخنرانی** | |
| **چکیده فارسی: ۲۵۰ تا ۳۰۰ کلمه** | The Middle East region considered as dry land area which faces considerable environmental issues and uncertainties on both the supply and the demand side of food production systems therefore is one of the largest global net food importing regions of the world. The region covers very diverse environmental settings from deserts to highest altitude drylands of Iran. Although the region is predominantly dry, it is very rich in agricultural and rural life. Climate change and climate variability have put the countries in the region, where scarce natural resources are already under considerable pressure, and significant risk. The region as one of the driest parts of the world, is vulnerable to extreme climatic events such as droughts, floods, storms of dust and sand. Iran, as part of Middle East, is now seriously threatened with drastic instability in climatic conditions and water scarcity which is the most serious challenge twisted with the erosion of basic natural resources including soil, water and diverse unique genetic resources all of which diminish environment and agricultural productivity. Dryland ecosystems support some of the poorest of the world's communities, particularly the vulnerable resource poor family farmers, which tend to be the most dependent on biological resources for food, shelter, fuel, and reduce their vulnerability to natural hazards.<br>To address these critical issues, we need first to improve our, understanding about the complex mechanism of the influential factors and finally challenges ahead in local, national, regional and global level. A key challenge for Iran and other Middle East |

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| countries is finding ways to promote agricultural productivity and saving essential resources including water, soil and biodiversity that helps poverty alleviation through enhancement of productivity and more sustainable food systems. Author in this paper try to reflect the regional image of the issue and presents the latest attempts and approaches developed by Food and Agricultural Organization (FAO) of UN. This paper argues that biodiversity underpins sustainable food systems, human welfare and economic development and that many sectors of national and local economies depend on biological diversity, natural ecosystems, productive landscapes and the environmental services they provide. The author, who played major role in FAO headquarter for alternative solutions through innovative approaches during 2018-2020, try to demonstrate how we could harmonize the need for food with that of protecting agriculture through the development of an integrated approach based on multilateral collaboration among different agencies. The notion of “Protected agriculture” or “Sheltered Agriculture” is the key factor to save environment, water resources and enhance agricultural productivity. To implement sheltered agriculture for ordinary farmers in Middle East and Iran, wide range of attempts need to be considered by academia, policy makers and private sector. This paper tries to describe the wide range of alternatives and opportunities and associated challenges to establish sheltered agriculture in Iran and Middle East. | |
| | **درباره من** |
| | **آیا تمایل به ارائه به زبان انگلیسی دارید؟** بله ☒X خیر ☐ |

- **توضیحات: مدت زمان کل سخنرانی کلیدی و پرسش و پاسخ آن ۳۰ دقیقه می‌باشد. لذا مطالب باید به نحوی تنظیم شوند که در یک بازه زمانی ۲۰ تا ۲۵ دقیقه‌ای ارائه شوند.**
- **زمان سخنرانی (روز و ساعت) با توجه به طرح اجرایی کنگره تعیین و اطلاع‌رسانی خواهد شد.**
- **اطلاعات فوق جهت اطلاع‌رسانی به مخاطبان در سایت کنگره (cropsc18.um.ac.ir) بارگزاری خواهد شد.**