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| **استمارة التسجيل في المؤتمر الثالث للبحوث الطلابية**  **«البحوثالطلابية.. وتحديات التنمية»**  **5مايو 2019** | | | | | | | | | | |
| **▪اســــــم المتقــدم:** | | **هدير محمد نورالدين , أميره محمد ابراهيم** | | | | | | | | |
| **▪ الـرقـم الجـامعـي:** | | ………………………….…………………. | | | | | | | | |
| **▪البرنامج العـلمي:** | | **الزراعه عام** | | | | **▪القسم التابع لــه:** | | | | **البساتين** |
| **▪ الـكلـــــــــــــــــية:** | | **الزراعه** | | | | **▪ المستوى/الفرقة:** | | | | **الرابعه** |
| **▪الـعـام الدراســي:** | | **2018/2019** | | | | **▪رقــــــــم التليفون:** | | | | …………………. |
| **▪البريد الإلكتروني:** | | …………………………….………………. | | | | | | | | |
| **▪عنوان البحث باللغة الـعـربيـة:** | | | | | |  | | | |  |
| **دراسه مقارنه بين نباتات الفجل ثنائيه ورباعيه المجموعه الكرموسوميه فى مقاومه الاجهاد الملحى** | | | | | | | | | | |
| **▪عنوان البحث باللغة الانجليزية:** | | | | | |  | | | |  |
| Comparative study between diploid and induced tetraploid radish plants in toleranceof salinity stress | | | | | | | | | | |
| **▪اسماء المشرفين على الموضوع/المشروعالبحثى:** | | | | | |  | | | |  |
| **1-** | **ا.د مجمد وصفى علوان** | | | | | **▪جهة العمل:** | | | **قسم البساتين-كليه الزراعه** | |
| **2-** | **د. التهامى على احمد يوسف** | | | | | **▪ جهة العمل:** | | | **قسم البساتين-كليه الزراعه** | |
| **3-** | ………………………….…………………. | | | | | **▪ جهة العمل:** | | | ………….. | |
|  | | | | | | | | | | |
| **▪اوجه الاستفادة من البحث، الجهات المستفيدة:** | | | | | |  | | | |  |
| ………………………….………………….………………………….………………….………………………….…………………. | | | | | | | | | | |
|  | | | | | | | | | | |
| **▪طريقة العرض المفضلة\*** | | | **☐** | **ملصق Poster** | | **☐X** | | **عرض تقديمي شفهيOral** | | |
| **\* ستقوم اللجنة المنظمة بالتواصل مع مقدمي الأبحاث لتأكيد طريقة العرض او تعديلها.** | | | | | | | | | | |
| **▪توقيع المتقدم :** | | | | |  | | | | |  |
| ……………………………………. | | | | | **▪توقيع احد المشرفين:** | | ……………………………………. | | | |

**ملخص البحث ( لا يزيد عن 250 كلمة)**

**COMPARATIVE STUDY BETWEEN DIPLOID AND INDUCED TETRAPLOID RADISH PLANTS IN RESPONSE OF SALINITY STRESS**

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Arable land represents only 3.5% of total area of Egypt; therefore, policy makers are trying to expand arable land into newly reclaimed areas. However, these regions are subjected to several kinds of a biotic stresses such as salinity stress, which causes severe problems to plants, leading to significant decrease in the agricultural production. Therefore, the current study was performed out with aim of studying the role of genome duplication in alleviation harmful effect of salinity in radish plants subjected to salinity stress. To achieve this goal, diploid and induced tetraploid radish plants were subjected to three levels of salinity (0, 100 and 200 mM of Na cl) in a pots experiment. The results of the current study clearly indicated that tetraploid plants were more tolerant than their ancestral diploid pants in terms of salinity tolerance and achieved the maximum values of leaves and roots fresh weight, leaves and roots dry weight as well as highest dry matter of leaves and roots.

**Keywords: Radish, Genome duplication, Diploid, Tetraploid, Salinity**