

List of Publication: Prof. Dr. Ali Abdel- Moneim Elbana

- 1- El- Bana, A. A. Galal., El-Kholy. M and Abdel- Ghany. M. 2010. possible management of sugarcane root rot and wilt diseases using fungicides alternatives. *Minia 2nd Conf. Agric. Environ. Sci*:305-311
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- 1-Galal, A. A.; Abdou, El-S.; Abd Alla, H. M. and Hassan-hanaa, M. M. (2006). Impact of some micronutrients and calcium chloride on cucumber angular leaf spot caused by bacterium *Pseudomonas syringae* pv. *lachrymans* Minia J. of Agric. Res.& DevelOp., 26: 63-84.
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List of Publication: Prof. Dr. Taha Ibrahim AbdElgawad

- 1-Ouf, M. F.; Z. A. Shihata; T. I. Abdel-Gawad; A. A. Galal, and Y. E. Ibrahim (2000). Factors affecting growth of wheat root rot fungi under laboratory conditions. The 9th Cong. of The Egypt. Phytopathol. Soc., 8-10 May, 2000-Giza, Egypt. pp 342-356.
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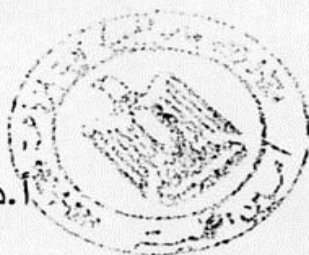


بيان بالانتاج العلمي المقدم من الدكتور / ممدوح عويس اسماعيل أحمد المدرس
بقسم أمراض النبات كلية الزراعة جامعة المنيا و المتقدم للحصول علي درجة
أستاذ مساعد أمراض النبات

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رئيس مجلس القسم

أ.د. صادق احمد محمد الصادق



أمين مجلس القسم

أ.د. زكري عطيّة شحاتة

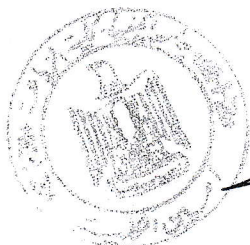
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قسم أمراض النبات

جامعة المنيا

كلية الزراعة

بيان بالأبحاث المنشورة والتي أجريت بعد الحصول على درجة أستاذ مساعد والمقدمة من
الدكتور حربى مطايريد عبد الله للترقيه لدرجة أستاذ أمراض نبات

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FACULTY OF AGRICULTURE

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CONTROL OF SUNFLOWER POWDERY MILDEW USING RESISTANCE INDUCERS

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ABSTRACT

Values of area under powdery mildew progress curve values (AUPMPC) were significantly affected with response of sunflower cultivars. Giza.1 cv. was the most susceptible given a value of 897 AUPMPC followed by cv. Miak 697 AUPMPC value and cv.Giza.161 was the least 498 value AUPMPC. Thus, sunflower cv. Giza.1 was used throughout this study to induce resistance.

Powdery mildew was significantly affected by the type, concentration and application methods of resistance inducers used. Seed soaking and foliar spraying of resistance inducers resulted in resistant sunflower plants against powdery mildew. Efficiency of seed soaking and foliar spraying with benzothiadiazole (BTH) was most effective than other inducers. Since increasing concentration enhanced resistance of sunflower plants. The highest protection in sunflower plants obtained with benzothiadiazole at 200ppm concentration (94% and 90.8% protection by seed soaking and foliar spraying respectively). Resistance inducers gave various resistance levels according to application methods.

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List of Publication: Prof. Dr. Harby Matreed Abd Alla

- 1- Abdalla, H. M.; Ismail, M. E.; Heidi-Abo-Elnaga, I. G. and Galal, A. A. (2006). Occurrence of bacterial leaf blight of geranium (*Pelargonium odoratissimum* Ait). Minia J. of Agric. Res. & DevelOp., 26: 587-607.
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