- **Dr. Yasser Gaber**
- **Associate Professor Microbiology and Immunology**
- **Department of / pharmaceutics and pharmaceutical technology**

Education

- May 2012 Doctor of philosophy (Ph.D.) Lund University, Sweden
- March 2007 M.Sc. Microbiology, Faculty of Pharmacy, Cairo University Egypt.
- May 1999 B.Sc. Pharmaceutical Sciences, *Excellent with Honour,* Cairo University.

Research Interests

- **Biotechnology, Protein engineering, structural bioinformatics, biocatalysis,**
- **Microbiology : probiotics, Lysins from phages , urease producing bacteria , geo-microbiology , vaccines**
- **Industrial and therapeutics enzymes: Aspraginase, celluluases, chitinases , lipase, esterase, phytase**

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Publications

Publications list:

1. AbouKhadra, A., Zidan, A. F., & **Gaber, Y.** (2018). Experimental evaluation of strength characteristics of different Egyptian soils using enzymatic stabilizers. *Cogent Engineering*, *5*(1), 1-11
2. **Gaber, Y**., and Ismail M., (**2017**) Cross-linked Enzyme Aggregates of Pig Liver Esterase Evaluated in Kinetic Resolution of Racemic Clopidogrel. Biotechnology, 16, 123-129
3. **Gaber, Y., (2016)** In-silico smart library design to engineer a xylose-tolerant hexokinase variant. African J. Biotechnol. 15(21), 910-916.
4. **Gaber, Y.**, Mekasha S., Vaaje-Kolstad G., Vincent GH Eijsink V.G.H., Fraaije M.W., (**2016**) Characterization of a Chitinase from the Cellulolytic Actinomycete *Thermobifida fusca*. Bioch. et Bioph. Acta (BBA)-Proteins and Proteomics 1864, 1253–1259 **(IF 3.016).**
5. Sayed, M., **Gaber, Y**., Bornadel, A., and Pyo S., (**2016**) Multi-steps

Green Process for Synthesis of Six-Membered Functional Cyclic Carbonate from Trimethylolpropane by Lipase Catalyzed Methacrylation and Carbonation, and Thermal Cyclization. Biotechnol. Prog. 32 , 83-88 **(IF 2.167).**

6. **Gaber, Y**., Ismail M., Bisagni S., Takwa M., and Hatti-Kaul R., (**2015**) Rational mutagenesis of pig liver esterase (PLE-1) to resolve racemic clopidogrel. J. Mol. Cata. B. Enzym. 122, 156-162. **(IF 2.189)**
7. Ferrari A., **Gaber, Y**., Fraaije, M.W., (**2014**). Fast, sensitive, and easy colorimetric assay for chitinase and cellulase activity detection. *Biotechnol. Biofuels* 7:37, **(IF, 6.444)**
8. **Gaber**, **Y**., Åkerman, C.O., M., Hatti-Kaul, R., (**2014**) Environmentally evaluated HPLC-ELSD method to monitor enzymatic synthesis of a non-ionic surfactant. *Chem. Cent. J.* 8:33 (IF**, 2.552)**
9. **Gaber, Y.,** Ali Amin, M., Hatti-Kaul, R., (**2014**) An investigation of enzymatic kinetic resolution of racemic clopidogrel. Asian J. Microbio., Biotechno. and Environmental Sci. 16(2), 247-251.
10. Åkerman, C.O., **Gaber, Y.**, Ghani, N.A., Lämsä, M., Hatti-Kaul, R., (**2011**) Clean synthesis of biolubricants for low temperature applications using heterogeneous catalysts. *J. Mol. Catal. B: Enzym.* 72, 263-269. **(IF, 2.189)**
11. **Gaber, Y.,** Törnvall, U., Kumar, M.A., Ali Amin, M., Hatti-Kaul, R., (**2011**) HPLC-EAT (Environmental Assessment Tool): A tool for profiling safety, health and environmental impacts of liquid chromatography methods. *Green Chem.* 13, 2021-2025.[1] **(IF, 8.506)**
12. Tran, T.T., Hashim, S.O., **Gaber, Y**., Mamo, G., Mattiasson, B., & Hatti-Kaul, R. (**2011**). Thermostable alkaline phytase from *Bacillus sp.* MD2: Effect of divalent metals on activity and stability. *J. Inorg. Biochem*. *105*(7), 1000-1007. **(IF, 3.205)**
13. Tran, T.T., Mamo, G., Buxo, L., Le, N.N., **Gaber, Y.**, Mattiasson, B., Hatti-Kaul, R., (**2011**) Site-directed mutagenesis of an alkaline phytase: Influencing specificity, activity and stability in acidic milieu. *Enzyme Microb. Technol.* 49, 177-182. **(IF, 2.624)**
14. **Gaber, Y**., Törnvall, U., Orellana-Coca, C., Amin, M.A., & Hatti-Kaul, R. (**2010**). Enzymatic synthesis of N-alkanoyl-N-methylglucamide surfactants: solvent-free production and environmental assessment. *Green Chem.*, *12*(10), 1817-1825. **(IF, 8.506**)

- **د. ياسر جابر**
- **أستاذ مشارك الميكروبيولوجي و المناعة**
- **قسم / الصيدلانيات و التقنية الصيدلانية – كلية الصيدلة**

الدراسة

الدكتوراه مايو ٢٠١٢ جامعه لوند السويد

الماجستير ابريل ٢٠٠٧ الميكروبيولوجي و المناعة جامعه القاهره مصر

بكالوريوس الصيدله مايو ١٩٩٩ العلوم الصيدليه الصيدله جامعه القاهره- فرع بني سويف مصر

مجالات الأبحاث

- **Biotechnology, Protein engineering, structural bioinformatics, biocatalysis,**
- **Microbiology : probiotics, Lysins from phages , urease producing bacteria , geo-microbiology , vaccines**
- **Industrial and therapeutics enzymes: Aspraginase, celluluases, chitinases , lipase, esterase, phytase**

تفاصيل الاتصال

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الأبحاث المنشورة

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