Curriculum Vitae

Hany A. El-Shemy, Ph.D.
Prof.
Biochemistry and Molecular Biology
Biochemistry Department
Faculty of Agriculture
Cairo University
12613 Giza
Egypt
Tel:+20-2-774-2600
Fax:+20-2-571-7355
Mobile: +20-12-404-1171
E-Mail: helshemy@hotmail.com

NAME: Hany A. El-Shemy.

DATE OF BIRTH: April 16, 1966**.**

Sex : Male

Marital Status: Married (two daughters, 9y and 11y).

Knowledge Of Languages: (Arabic, mother tongue), (English, fluency spoken and written) and (Japanese, good).

CAREER OBJECTIVE

To acquire a challenging position in research and / or teaching leader in research and teaching programs.

EXPERIENCE

6/2006- 2/2007: Visiting Scientist, Plant Biotechnology and Genome Core-Facility, Southern Illinois University, Carbondale, IL 62901-4415, USA.

Duties and Research Interest: Functional Genomics of R genes and Metabolomics Techniques.
Prepare reports, manuscripts and presentation.

2005- 3/2006: Researcher, National Agriculture Research Center for Westerin Region (WeNARC), Plant Biotechnology Labaratory, Nishifukatsu 6-12-1Fukuyama
Hiroshima 721-8514, JAPAN

Duties and Research Interest : Use of molecular biology and proteomics techniques to improve the protein quality of wheat and barley as well as

genomics function of chilens (Bio-informatics). Prepare reports, manuscripts and presentation.

2001-2003: Researcher, National Agriculture Research Center for Westerin Region (WeNARC), Plant Biotechnology Labaratory, Nishifukatsu 6-12-1Fukuyama
Hiroshima 721-8514, JAPAN
Duties and Research Interest : Use of molecular biology techniques to improve the protein quality especialy sulphur amino acids such as methionine as well as essential amino acids tryptophan and lysine of legumes (soybeans, azuki bean). Prepare reports, manuscripts and presentation.

1999-2001: Researcher, Plant Physiology and Molecular Biology Department,
Faculty of Applied Biological Science, Hiroshima University,
I-4-4 Kagamiyama, Higashiroshima, 739-8528 JAPAN.
Duties and Research Interest : Use of molecular biology techniques to improve the protein quality of legumes. Isolation and identification of plant proteins from grain and leaves of some crops.

1998. Researcher, Lab of Young Living Essential Oils, 250 S. Main St., Payson, UT 84651 USA.
Duties: Isolation and identification the essential oils.

2002-present: **Associate Prof**. Biochemistry Department, Cairo Univ., Faculty of Agriculture, 12613 Giza, EGYPT.
Duties and Research Interest : Use of molecular biology techniques to improve the nutritional quality of faba bean , wheat and barley. Teaching of Biochemistry and Molecular Biology for junior and senior Agriculture Biotechnology majors; grading exams and quizzes. Prepare reports, manuscripts and presentation.

1996-2002 Lecturer, Biochemistry Department, Cairo Univ., Faculty of Agriculture, 12613 Giza, EGYPT.
Duties and Research Interest : Use of molecular biology techniques to improve the nutritional quality of faba bean. Teaching of Biochemistry for junior and senior agriculture Biochemistry majors; grading exams and quizzes. Prepare reports, manuscripts and presentation.

1992-1996. Graduate Teaching Assistant, Biochemistry Department, Cairo Univ., Faculty of Agriculture, 12613 Giza, EGYPT.
Duties: (1) Conducted experiments on nutritional quality of plant foods; isolation, identification and quantitative analysis

of the anti-nutritional factors phytic acid, tannin and trypsin inhibitors in legumes. **(2)** Design maintenance, analysis, and data interpretation of field and laboratory experiments. **(3)** Prepare reports, manuscripts and presentation. **(4)** Assisted in teaching of Biochemistry classes; maintained laboratory supplies and reagents.

1988-1992. Graduate Research Assistant, Biochemistry Department, Cairo Univ., Faculty of Agriculture, 12613 Giza, EGYPT.
Duties: (1) Conducted experiments on the potential of *S. Safsaf* Leaves extracts as antileukemic and anticarcinogenic agents. **(2)** Main tained laboratory supplies and reagents; dealt with vendors and safety personal. **(3)** Assisted in teaching of Biochemistry for agriculture biochemistry majors; trained student workers and technicians.

EDUCATION

*__Ph.D__. (**Agriculture, Genetic Engineering**), March **2006-** Hiroshima Univ., **JAPAN**
Thesis title: "Studies on analysis of factors controlling protein production in terms of plant nutritional physiology and plant molecular biology"

***Ph.D.** (**Biochemistry**) September **1996**- University of Cairo, **EGYPT**
Thesis title: " Biochemical Studies on Some Antinutritional Factors"

*__M.Sc__ (**Biochemistry**) September **1992**- University of Cairo, **EGYPT**
Thesis title: " Biochemical Studies on The Leaves of *Salix Safsaf*"

*__B.Sc__. (**Biochemistry**) with Honor, June **1988**- University of Cairo, **EGYPT**

AWARDS AND HONORS

* ABDUL HAMEED SHOMAN PRIZE FOR THE YOUNG ARAB RESERACHERS IN AGRICULTURAL SCIENCE 2004, **JORDAN**.

* State Prize (EGYPT), 2004, Agriculture Biotechnology, Academy of Science and Technology, **EGYPT.**

*Visiting Scholar, Plant Biotechnology and Genome Core-Facility, Southern Illinois University, Carbondale, IL 62901- 4415, USA.

*JSPS invitation Fellowship June, 2005- March 2006, **JAPAN.**

* Biovision Nxt. Fellowship for BioVision 2005, Lyon 9-15, **FRANCE**.

*Full Travel Bursary from The International Genetics Federation to attend the XIX International Congress of Genetics to be held in Melbourne, **Australia** from 6-11 July 2003, and present a contribution entitled NUTRITIONAL IMPROVEMENT OF PROTEIN CONTENT IN SOYBEAN SEEDS VIA MOLECULAR BIOLOGICAL APPROACHES.

*Postdoctoral Fellowship (STA) Japan International Science & Technology Agancy , March 2001- 2003.**JAPAN**

*Postdoctoral Fellowship (JSPS) Japan Society for The Promotion of Science, April 1999- 2001.**JAPAN**

*Researcher Fellowship (Young Living Essential Oils) July 1998- Utah, **USA**.

*Scholarship for training " Analysis in Food," C.M.U. (UNESCO), Food Sci. Dept., I.N.N., 1992**. ITALY**.

PRACTICAL TRAINING AND SKILIS

*Training course on Pollution Prevention Concepts & Application. Conducted by ECEP/EP3 26-27 March, 1997.

*4th Alexander Hollander training course in genetic toxicology, Sept. 15-18, 1997, Egypt.

*Workshop in Electrophoresis techniques for Protein Separation, January 11-12, 1994, Cairo University.

*Analysis in Foods, November 10-14, 1992 Food Science Department, I.N.N., Rome, Italy.

*Microanalysis in Biology, Sept. Oct 1, 1990, Faculty of Science, University of Ain-Shams.

*Skills in GC/MS, HPLC, LPLC, TLC, I.R., Atomic Absorption Techniques, Protein Transfer, SDS-PAGE, 2-D gel (proteomics), Amino Acids Sequences, Plant Molecular Biology (gene transfer), and Tissue Culture Techniques.

Cairo Univ., Egypt. Hiroshima Univ., Japan. WeNARC., Japan. INN.. Italy and USA Labs.

*Introduction to Bioinformatics, Cairo Univ. & Fulbright&USDA, Feb. 2005.

*Familiar with IBM/ Compatiable computer systems; basic softwares and ability to perform statistics.

INTERNATIONAL CONFERENCES

* Plant & Animal Genome XV Conference, Jan. 13-17 /2007, San-Diego , CA, **USA**.
* Desert Technology-VIII, Nov. 27- Dec.2, 2005, Nasu, **JAPAN.**
* BioVision 2005, Lyon 9-15 April, 2005, **FRANCE**.
* XIX International Congress of Genetics, Melbourne, from 6-11 July

2003, **Australia**

*INTERNATIONAL WORKSHOP ON APPLICATION OF THE MOLECULA MARKERS IN STUDIES ON PLANTS. WARSAWA 25-29 SEP., 2002**, POLAND**

* The Pittsburg Conference for Applied Spectroscopy and Analytical Chemistry (PITTCON 2001) The voyage of discovery on March 4-9, 2001 in NEWORLEANS, LA, **USA**.

*International Maize Genetices and Breeding Symposium, 71-78.,Changchun, Sept. 15-17, 2000, **China**

*X th International Colloquium for the Optimization of Plant Nutrition (IAOPN), 8-13 April, 2000, Cairo, **Arab Republic of Egypt**.

* The Pittsburg Conference for Applied Spectroscopy and Analytical Chemistry (PITTCON 2000) Science for the 21st Century on March 12-17, 2000 in NEWORLEANS, LA, **USA**.

* The Pittsburg Conference for Applied Spectroscopy and Analytical Chemistry (PITTCON 99) on March 7-12, 1999 in ORLANDO, FL, **USA**.

*First International Conferences on Date Palm , on March 8-10, 1998, Al-Ain, **United Arab Emirates**.

*Second International Conferences for Biotechnology, on Oct.18-20, 1998, Cairo, **Egypt**.

SESSION CHAIRS

* Desert Technology-VIII, Nov. 27- Dec.2, 2005, Nasu, **JAPAN** (Bioprospecting session).

* The Pittsburg Conference for Applied Spectroscopy and Analytical Chemistry (PITTCON 2001) The voyage of discovery on March 4-9, 2001 in NEWORLEANS, LA, **USA**. (Chromatography session).

*International Maize Genetices and Breeding Symposium, 71-78.,Changchun, Sept. 15-17, 2000, **China**. (Biotechnology session)

COMMITTEE MEMBERS

*International Maize Genetices and Breeding Symposium, 71-78.,Changchun, Sept. 15-17, 2000, **China**.

* Desert Technology-VIII, Nov. 27- Dec.2, 2005, Nasu, **JAPAN**.

ACADEMIC EDITOR:

- PLoSONE (http://www.plosone.org)

INTERNATIONAL JOURNAL REVIEWER

- *Journal of Food Composition and Analysis,* FAO, UN, **ITALY**.
- *Biotechnology Progress,* ACS, **USA**.
- *Research Journal of Biological Sciences,* **USA**.
- *Journal of Food Agric. And Environment.* **Finland** (Associate Editor)
- *Cancer Detection and Prevention Journal,* **USA**.

PROFESSIONAL AFFILIATION

1) American Association for the Advancement of Science.
2) American Chemical Society (ACS).
3) Agriculture Association of Egypt.

4) Egyptian Society of Biochemistry.
5) Japanese Society of Soil Science and Plant Nutrition.
6) Japanese Society of Breeding.
7) Japanese Society for Plant Cell and Molecular Biology
8) New-York Academy of Science.

REFERENCES

1- Prof. David A. Lightfoot
Professor for Biotechnology and Genomics, Department of Plant and Soil Science
Southern Illinois University, Carbondale, Illinois 62901
Telephone (618) 453-1797 Fax (618) 453-7457, E-mail: ga4082@siu.edu
2- Dr. E.Carnovale, Professor and Director of the Unit of Food Chemistry, I.N.N., via-Ardeatina 546, 00179 Rome, Italy. Phon: +39-6-5032412, Fax: +39-6-5031592. E-mail: carnovale@inn.ingrm.it
3- Dr. K. Fujita, Professor and Director of Department of Environmental Dynamics and Management , Graduate School of Biosphere Science, Hiroshima University, I-4-4 Kagamiyama, Higashi-Hiroshima City, 739-8528 Japan, Tel: +81-0824-24-7963, Fax: +81-0824-24-0791. E-mail: fujiko@hiroshima-u.ac.jp
4- Dr. A. Fakhoury, Assistant Prof., Department of Plant and Soil Science
Southern Illinois University, Carbondale, Illinois 62901
Telephone (618) 453-1782, Fax (618) 453-7457, E-mail: amfakhou@siu.edu
5- Dr. F. Ahmed, Chairman and Professor, Department of Biochemistry, Faculty of Agriculture, Cairo University, 12613 Giza, EGYPT. Phone +202-572-4107, Fax: +202-571-7355.
6- Dr. A. Aboul-Enein, Professor, Department of Biochemistry, Faculty of Agriculture, Cairo University, 12613 Giza, EGYPT. Phone +202-572-4107, Fax: +202-571-7355.
E-mail: aboul_enein@yahoo.com.

List of Publications

HANY A. EL-SHEMY, PH.D.

International Peer-reviewed Journals

1) Abdel-Rahim, E. A., Abdel-Fatah, O. M., Kobasse, M. I., **El-Shemy, H. A**. and Abdel-Saemei, M. B. 1998: Growth of date palm callus affected by growth regulators, sugars as carbon source and amino acids as nitrogen source. *Arab J. Biotechnology*, 1, 99-106.

2) **El-Shemy, H. A.** and Fujita, K. 2000: Protein subunits composition in seeds. *Recent Res. Devel. Agriculture& Food Chem.,* 4,27-29.

3) **El-Shemy, H. A.**, Abdel-Rahim, E. A., Shaban, O., Ragab, A., Carnovale, E. and Fujita, K. 2000: Determination of chemical analysis and antinutritional factors in some legumes. *Recent Res. Devel. Agriculture& Food Chem.*, 4,31-39.

4) **El-Shemy, H. A.**, Abdel-Rahim, E. A., Shaban, O., Ragab, A.and Fujita, K. 2000: Effect of antinutritional factors on some body constituents and enzymes activity of male albino rats. *Recent Res. Devel. Agriculture& Food Chem.*, 4,41-58.

5) **El-Shemy, H. A.**, Abdel-Rahim, E. A., Shaban, O., Ragab, A., Carnovale, E. and Fujita, K. 2000:Comparison of nutritional and antinutritional factors in soybean and fababean seeds with or without cortex. *Soil Sci. Plant Nutr*. 46, 515-524.

6) **El-Shemy, H. A.,** Yamana, H., Saneoka, H. and Fujita, K. 2000: Phylogenetic comparative analysis of storage proteins structure in some legume seeds. *American Biotechnology Laboratory* 18, 60-62.

7) **El-Shemy, H. A.,** Ryu, S. and Fujita, K. 2001: Subunits composition of storage protein in soybean seeds as affected by N application and pod removal.. *American Biotechnology Laboratory* 19, 30-33.

8) **El-Shemy, H. A.,** Ahmed, S. H., Saneoka, H. and Fujita, K. 2001: Differences in composition of glycinin and beta-conglycinin globulins in some legume cultivars. *America Biotechnology Laboratory* 19, 46-48.

9) **El-Shemy, H. A.,** Nishimura, T. and Fujita, K. 2001: Direct sequencing of peptides transferred onto PVDF membrane from SDS-PAGE by electroblotting. *Analytica Chimica Acta*, 442, 113-119.

10) **El-Shemy, H. A.,** Nishimura, T. and Fujita, K. 2001: Characterization and

localization of a novel protein (HFN40) in some maize genotypes without husk leaf blades. *Biologia Plantarum*, 44, 623-625.

11) **El-Shemy, H. A.,** Nishizawa, K., Utsumi, S. and Ishimoto, M. 2001: Introduction of a modified glycinin gene in soybean by particle bombardment. *Breeding Research*, 3, 105.

12) **El-Shemy, H. A.,** Khalafalla, M. M., Nishizawa, K., Utsumi, S. and Ishimoto, M. 2002: Improvement of soybean seed proteins by genetic engineering. *Breeding Research*, 4,165.

13) **El-Shemy, H. A.,** Khalafalla, M. M., Wakasa K. and Ishimoto, M. 2002: Reproducible transformation in two grain legumes, soybean and azuki bean by using different systems. *Cellular & Molecular Biology Lett.* 7, 709-719.

14) Fujikawa, Y**,** Sakurai, N., Sendo, S. Oka, T., Yamana, H., Ofosu-Budu, K. G., **El-Shemy, H. A.** and Fujita, K **:** 2002: Leaf area expansion and sugar composition in husk leaf flint corn (Zea mays L.) genotypes differing in husk leaf size. *J. of Agric. Sci*. 139: 37-45.

15) Khalafalla, M. M., **El-Shemy, H. A.,** Mizanur, R. S., and Ishimoto, M. 2003: Analysis of particle bombardment conditions to optimize transgene expression in soybean. *Breeding Research*, 5, 296.

16) Mizanur, R. S., Khalafalla, M. M., **El-Shemy, H. A.,** Nakamoto, Y., Kuroda, M., Wakasa, K., and Ishimoto, M. 2003: Production of transgenic soybean and azuki bean plants by particle bombardment and *Agrobactrium* respectively. *Breeding Research*, 5, 304.

17) **El-Shemy, H. A**., Ahmed M. Aboul-Enein, Mostafa I. Aboul-Enein and K. Fujita (2003) The effect of willow leaf extract on human leukemic cells, *in-vitro*. *J. Biochem. Mol. Biol.* **36**, 387-389.

18) **El-Shemy, H. A.,** Teraishi , M., Khalafalla, M. M., Katsube-Tanaka, T., Utsumi, S. and Ishimoto, M.2004: Isolation of soybean plants with stable transgene expression by visual selection based on green fluorescent protein. *Molecular Breeding*. 14:227-238.

19) Kounosuke Fujita, Yoshito Kai, Miki Takayanagi, **Hany El-Shemy**, Joseph J. Adu-Gyamfi and Pravat K. Mohapatra 2004: Genotypic variability of pigeonpea in distribution of photosynthetic carbon at low phosphorus level. *Plant Science*, 166, 641- 649.

20) Mutasim M Khalafalla, **Hany A El-Shemy**, Rahman S Mizanur, Masayoshi Teraishi and Masao Ishimoto 2005: Recovery of herbicide-resistant Azuki bean [*Vigna angularis* (Wild.), Ohwi & Ohashi] plants via *Agrobacterium*-mediated transformation. *African Journal Biotechnology*, 4 , 61-67.

21) M. M. Khalafalla, **H. A. El-Shemy**, R. S. Mizanur, Y. Nakamoto, K. Wakasa, M. Ishimoto 2005: Optimization of particle bombardment conditions by monitoring transient sGFP(S65T) expression in transformed soybean. *Breeding Science* **55,** 257-263.

22) **El-Shemy, H. A,** Khalafalla, M. M., Fujita, K. and Ishimoto, M.2006: Molecular control of gene co-suppression of transgenic soybean. *J. Biochemistry and Molecular Biology*, **39,** 61-67.

23) **El-Shemy, H. A**. 2006: Mechanism of salicin as antileukemic agent. *J. Arid Land Studies*, **15,** 407-410.

24) **El-Shemy, H. A**., Nguyen, N. T., Ahmed, S.H. and Fujita K. 2006: Effects of sulfur fertilizer on the expression of 11S and 7S seed storage proteins of soybean. *J. of Plant Biotechnology*, **8,** 1-8.

25) Moemen S. Hanafy, Rahman S Mizanur, Mutasim M Khalafalla, **Hany A El-Shemy**, Yumi Nakamoto, Masao Ishimoto and Kyo Wakasa 2006: Accumulation of free tryptophan in azuki bean (*Vigna angularis)* induced by expression of a gene *(OASID)* for modified alpha-subunit of rice anthranilate synthase. Plant Science , **171,** 670-676**.**

26) Mutasim M Khalafalla, **Hany A El-Shemy**, Rahman S Mizanur, Kyo Wakasa and Masao Ishimoto 2007: Improvement of Tryptophan Content in a Grain Legume, Azuki Bean (*Vigna angularis* Ohwi & Ohashi) by Expressing a Modified Rice Anthranilate Synthase (*OASA1D*) Gene. *African Journal of Biotechnology*, **In press.**

27) Mutasim M Khalafalla, **Hany A El-Shemy**, Rahman S Mizanur, Masayoshi Teraishi, Hisakazu Hasegawa. Teruhiko Terakawa and Masao Ishimoto 2006: Efficient production of transgenic soybean (*Glycine max* [L] Merrill) plants mediated via whisker-supersonic (WSS) method. *African Journal of Biotechnology* , 18, 1594-1599

28) **El-Shemy, H. A.** Khalafalla, M. M., Fujita, K and Ishimoto, M.2007: Improvement of protein quality in transgenic soybean plants. *Biologia Plantarum*, **51,** 277-284.

29) Afzal, AJ, **El-Shemy, H. A**., Bokhari, S.A and Siddiqui, KS. 2007. A kinetic and thermodynamic study of chemically modified xylanases from *Scopulariopsis sp*. revealed the existence of an essential amino group. *Applied Biochemistry and Biotechnology*, **In press.**

30) **El-Shemy, H. A**., Ahmed M. Aboul-Enein, Khalid M. I. Aboul-Enein and K. Fujita

2007. Willow leaves extracts contains anti-tumor agents effective against three cells types. *PLoS ONE* . **2 (1),** e178**.**.

PATENT:

1) **El-Shemy, H. A**. and K. Fujita. 2006. Title of the Invention: Composition for Treating Solid Tumors, and Use Thereof. JP patent # (Patent number is: 2006-223498, pending).

Referred Proceeding

1) Fujita, K **, El-Shemy, H. A.**, Sakurai, N. and Sendo, S. 2001: Sugar metabolism in expanding husk leaf of flint corn (*Zea mays* L.) genotypes differing in husk leaf size. Food security and sustainability of agro-ecosystems. W.J. Horst et al. ed., Kluwer Academic Publishers pp. 278-279.

2) Fujita, K., Chaudhary, M.I., Fujita, A., Kai. Y., Takayanagi, M., **El-Shemy, H. A.** and Adu-Gyamfi, J. J. 2002: Photosynthesized carbon translocation and distribution of crops at low-nutrient environments. *Food security in nurtient-stressed environments: exploiting plants, genetic capabilities*: J. J. Adu-Gyamfi (Ed.), 91-101.

3) **El-Shemy, H. A.,** M.M. Khalafalla, H. Hasegawa, T. Terakawa, K. Wakasa, Ishimoto, M. 2004: Increased the lysine content in azuki bean via *Agrobacterium*-mediated transformation system. *Fischer, T. et al*., *New directions for a diverse planet*: Proceedings for the 4th International Crop Science Congress, Brisbane, Australia, 26 September – 1 October 2004.

Conferences Presentation and Abstracts

1) Abdel-Rahim, E. A., Abdel-Fatah, O. M., **El-Shemy, H. A**. and Abdel-Saemei, M. B. 1998: Growth of date palm callus affected by amino acids as nitrogen source. First International Conference On Date Palm, Al-Ain, United Arab Emarates, March 8-10.

2) **El-Shemy, H. A**., Abdel-Rahim, E. A., Abdel-Galal, M. M. and Shalaby, A. R. 1999: Effect of biogenic amines on metabolic changes of energy metabolites and myokinase activity of male albino rats. The Pittsburgh Conference of Applied Spectroscopy and Analytical Chemistry " Pittcon 99", Orange County Convention Center, March 7-12, Orlando, Florida, USA.

3) Afify, A. M. R., Mohamed, M. A. and **El-Shemy, H. A**. 1999: Application of X-ray fluorescence electron microscope in agriculture field. *Proceedings of Recent Technologies in Agriculture*, pp. 574-580. Cairo Univ., Egypt.

4) **El-Shemy, H. A.,** Saneoka, H. and Fujita, K. 2000: Protein subunits composition in seeds of several legume varieties. The Pittsburgh Conference of Applied Spectroscopy and Analytical Chemistry " Pittcon 2000", March 12-17,

New Orleans,LA, USA.

5) **El-Shemy, H. A.,** Tomomi , O., Kai, Y.,Saneoka, H. and Fujita, K. 2000: Effect of nitrogen nutrition on ^{13}C partitioning into cell wall component on culm leaf of sweet Corn. The Pittsburgh Conference of Applied Spectroscopy and Analytical Chemistry " Pittcon 2000", March 12-17, New Orleans,LA, USA.

6) **El-Shemy, H. A.,** Ryu, S. and Fujita, K. 2000: Storage protein subunits composition in soybean seeds as affected by N application and pod removal. X th International Colloquium for the Optimization of Plant Nutrition (IAOPN), 8-13 April, Cairo, Arab Republic of Egypt.

7) Fujita, K **,** Yoneyama, T., Fujiwara, S., **El-Shemy, H. A.,** Sendo, S., Yamana, H., and. Oka, T. 2000: Photosynthesis of maize husk leaves determined by natural abundance of stable isotopes, ^{13}C. *International Maize Genetices and Breeding Symposium*, pp 66-71. Changchun, Sept. 15-17,China

8) **El-Shemy, H. A.,** Nishimura, T., Yamana, H., Saneoka, H. and Fujita, K. 2000: Characterization of maize proteins in some genotypes with or without husk leaves. *International Maize Genetices and Breeding Symposium*, pp 71-78.,Changchun, Sept. 15-17, China.

9) Fujita, K **,** Fujikawa, Y., Sakurai, Oka, T., Yamana, H. and **El-Shemy, H. A.** 2001: Carbohydrate metabolism in expanding husk leaf of flint corn genotypes. The Pittsburgh Conference of Applied Spectroscopy and Analytical Chemistry " Pittcon 2001", March 4-9, New-orleans, LA, USA.

10) **El-Shemy, H. A.,** Ahmed, S. H., Saneoka, H. and Fujita, K. 2001: Differences in composition of glycinin and beta-conglycinin globulins in some legume cultivars . The Pittsburgh Conference of Applied Spectroscopy and Analytical Chemistry " Pittcon 2001", March 4-9, New-orleans, LA, USA.

11) Ishimoto, M., **El-Shemy, H. A.,** Nishizawa, K. and Utsumi, S. 2001: Improvement of seed quality of soybean by genetic engineering. Joint workshop on soybean improvement, production and utilization in South America EMBRAPA, Brazil., JICA and JIRCAS, Japan. Nov. 13-14, Londrina, Parana, Brazil.

12) **El-Shemy, H. A.,** M.M. Khalafalla, H. Hasegawa, T. Terakawa, K. Wakasa, M.Ishimoto: Nutritional Improvement of Lysine Content for Two Grain Legumes,Soybean And Azuki bean by Particle Bombardment and *Agrobacterium*-mediated Transformation Systems**.** Plant Biotechnology Meeting, July 29-30, 2002. Nara,Japan, pp 131.

13) M.M. Khalafalla, **H.A. El-Shemy**, M. Ishimoto, K. Wakasa: Manipulation of Tryptophan Synthesis in a Grain Legume, Azuki Bean by a Modified Rice Anthranilate Synthase Gene. Plant Biotechnology Meeting, July 29-30, 2002. Nara,

Japan, pp 130.

14) Ishimoto, M., **El-Shemy, H. A.,** Nishizawa, K. and Utsumi, S**.** Improvement of soybean globulin by genetic engineering. Plant Biotechnology Meeting, July 29-30, 2002. Nara, Japan, pp 132.

15) **El-Shemy, H. A.,** Khalafalla, M. M., Mizanur, R. S., Wakasa K. and Ishimoto, M. 2003: Transformation system towards stable transgene expression in soybean by particle bombardment. Plant & Animal Genome XI, Jan. 11-15, San Diego, CA, USA.

16) Ishimoto, M., Teraishi, M., Khalafalla, M. M., **El-Shemy, H. A**., Mizanur, R. S., Takahashi, M., Komatsu, K. and Matsunaga, R. 2003: Integration of mutations affecting the accumulation of glycinin and beta-conglycinin in soybean and genetic engineering of the integrated mutant line. 7th International Congress of Plant Molecular Biology, Barcelona, June 23-28, Espain.

17) **El-Shemy, H. A.** and Ishimoto, M. 2003: Nutritional improvement of protein content in soybean seeds via molecular biological approaches. XIX International Congress of Genetics, 6-11 July, 6-11 July, Melbourne, Australia.

18) Ahmed J. Afzal, **Hany A. El-Shemy**, M. Javed Iqbal and David A. Lightfoot (2007) Proteome Analysis Of Disease Resistance In Soybean. Identification Of Differentially Abundant Proteins In Near Isogenic Lines (NILs) Polymorphic At The Rhg1 Locus Challenged With The Soybean Cyst Nematode (SCN). Plant & Animal Genome XV Conference, Jan. 13-17 /2007, San-Diego , CA, USA.

19) Ahmed J. Afzal, **Hany A. El-Shemy**, M. Javed Iqbal, Sheeja Vasudevan and David A. Lightfoot (2007) Proteomic Analysis Of The Interactome During The Resistance Response Of Soybean To Cyst Nematode. Plant & Animal Genome XV Conference, Jan. 13-17 /2007, San-Diego , CA, USA.

Local Reviewed Journals

1) Aboul-Enein, M. I., Aboul-Enein, A. M., Issa, S. I., Moean, N. A. and **El-Shemy, H. A.** 1991: The antilenkemic effect of willow plant extracts an in-vitro study. *The Egypt J. Haemat.*, 16, 225-234.

2) Abdel-Rahim, E. A., Abdel-Galal, M. M., **El-Shemy, H. A**. and Shalaby, A. R. 1998: Effect of biogenic amines on metabolic changes of energy metabolites and myokinase activity of male albino rats. *Egyptian J. of Nutrition*, 4, 62-75.

3) Saber, M. M., Heweidy, M. A. and **El-Shemy, H. A**. 1998: Characterization of endopolygalacturonase produced by Colletotrichum dematium F. sp. Truncata in culture and infected soybean seedlings. *Egypt J. Agric. Res.*, 76, 491-505.

4) Zahran, M. M., Aboul-Enein, K.M., **El-Shemy, H. A.**, Wahab, N. and El-Guibaly, H. F. 1998: Comparative analysis of the antitumor effect of certain plant extracts and natural colors in-vivo study. *Egypt J. Lab. Med.*, 9, 775-792.

5) **El-Shemy, H. A.,** Ahmed, S. and Fujita, K. 2001: Composition of proteins and isozymes of micropropagated and intact soybean plants (*Glycine max,* L.). *J Agric. Sci. (Mans Univ.)* 26: 2449-2455.

6) **El-Shemy, H. A.,** Kobeassy, M. I. and Ahmed, S. 2005: Molecular Characterization of soybean cultivars using microsatellite (SSR) and PARID markers. *J Agric. Sci. (Mans Univ.)*30, 2321-2330.