

## REFERENCES

Abd El-Hady, I.N.(1973).

"Studies on the effect of processing on the vitamin contents of some legumes".

M.Sc. Thesis, High Institute of Home Economics, Cairo, Egypt.

Abu Salem, M.M.F. (1973).

"Studies on soybean protein as a protein supplement".

Ph.D. Thesis, Faculty of Agriculture, Ain Shams University, Cairo, Egypt.

Angelo, A.J.St. and Ory, R.L. (1975).

"Effects of lipoperoxides on proteins in raw and processed peanuts".

J.Agr. Food Chem., 23(2), 141-146.

A.O.A.C. (1975).

"Official Methods of Analysis of the Association of Official Analytical Chemists".

Published by the Association of Official Analytical Chemists, Washington, DC20044.

Basha, S.M.M. and Cherry, J.P. (1976).

"Composition, solubility, and gel electrophoretic properties of proteins isolates from Florunner(Arachis hypogaea L.)peanut seeds".

Journal of Agricultural and Food Chemistry  
24 (2) 359-365.

- Basha, S.M.M.; Cherry, J.P. and Young, C.T. (1976).  
"Changes in free amino acids, carbohydrates  
and Proteins of maturing seeds from various  
peanut".  
Cereal Chemistry 53(4) 586-597.
- Bau, H.M.; Poullain, B.; Sere, Y. and Debry, G. (1978).  
"Study of trypsin activity and physico-  
chemical properties of several soybean pro-  
tein fractions".  
Canadian Institute of Food Science and Tech-  
nology Journal 11(1) 7-11.  
C.F. FSTA Vol. 10 (1978) No. 7-7G418.
- Bau, H.M.; Caudy, P.; Gay, M. and Debry, G. (1979).  
"Influence of technological treatments on  
horse bean products".  
Canadian Institute of Food Science and Tech-  
nology Journal 12(4) 194-199.  
C.F. FSTA Vol. 12(1980) No. 5-5J792.
- Bellamy, L.J. (1964).  
"The infrared spectra of complex molecules".  
London: Methuen & Co. Ltd., N.Y. John Willey  
and Sons, Inc.
- Bhatty, R.S. (1979).  
"Trypsin inhibitors of fababeans. Partial  
purification and some properties".  
Canadian Institute of Food Science and Tech-  
nology Journal 12(3) 135-139.  
C.F. FSTA Vol. 12(1980) No. 2-2J166.

Blackburn, S. (1968).

"Amino acid determination, methods and techniques".

Wood Industries Research Association, Leeds, England. Marcel Dekker, New York, N.Y.USA.

Cherry, J.P.; McWatters, K.H. and Holmes, M.R.(1975).

"Effect of moist heat on solubility and structural components of peanut proteins".

Journal of Food Science 40(6) 1199-1204.

Darwish, N.M.; El-Nahry, F. and Tharwat, S. (1976).

"Effect of preparation and cooking on the nutritive value of broad beans".

Qualitas Plantarum. Plant Foods for Human Nutrition 25(3/4) 331-341.

C.F. FSTA Vol. 9(1977) No. 3-3 J 479.

Davis, B.J. (1964).

"Disc electrophoresis. II Method and application to human serum proteins Am. N.Y. Acad. Sci., 121 404-427.

Delente, J. and Ladenburg, K. (1972).

"Quantitative determination of the oligosaccharides in defatted soybean meal by Gas-Liquid Chromatography".

Journal of food science, 37, 372-375.

Dubois, M.; Gilles, K.A.; Hamilton, J.K.; Rebers, P.A.  
and Smith, F. (1956).

"Colorimetric method for determination of  
sugars and related substances".

Analytical Chemistry, Vol. 28(3) 350-356.

Egyptian Ministry of Agriculture, (1981).

Crop Records all over Egypt Through the Periods  
(1970-1981). Agric. Research Centre, Inst.  
of Agric. Economy, Statistical Dept.

Ellenriðder, G.; Geranazzo, H. and Bojarski, A.B.de  
(1980).

"Thermal inactivation of trypsin inhibitors  
in aqueous extracts of soybeans, peanuts,  
and kidney beans: presence of substances  
that accelerate inactivation".

Cereal Chemistry 57 (1) 25-27.

El Malky, W.A. (1974).

"Studies on processing of some baby foods".

M.Sc. Thesis, Faculty of Agriculture, Ain  
Shams University, Cairo, Egypt.

El-Sanafiry, Y.A. N. (1983).

"Manufacturing of balanced protein as animal  
protein supplement".

Ph.D. Thesis Faculty of Agriculture, Ain  
Shams University, Cairo, Egypt.

El-Srogy, S.T.M. (1981).

"A study of the nutritive value of some legume proteins and their use in poultry diets".

M.Sc. Thesis, Faculty of Agriculture, Animal Science, Dept., Minia University, Egypt.

FAO, (1957).

"Protein requirements".

FAO Nutr. Stud. No. 16, Food and Agriculture organization of the united Nations, Rome, Italy.

FAO, (1965).

"Protein requirements".

World Health Organ. Tech. Rept. Ser. 301.  
Food and Agriculture Organization/World Health Organization Expert Group of the United Nations, Geneva, Switzerland.

FAO, (1970).

"Amino acid contents of food and biological data on proteins".

FAO, Nutrition Studies, No. 24.

FAO, (1973).

"Energy and Protein requirements".

Report of a joint FAO/WHO adhoc expert committee, Rome, 22, March-2 April 1971, FAO, Rome, Italy.

- Fletcher, D.L. and Ahmed, E.M. (1977).  
"Spinning of peanut protein fibres".  
Peanut Science 4(1) 17-21.  
C.F. FSTA Vol. 10(1978) No. 2-2G93.
- Hoffpauir, C.L. (1953).  
"Peanut composition: Relation to processing  
and utilization".  
J. Agric. Food Chem. 1, 668-671.
- Hussein, M.A. and Youssef, K.E. (1976).  
"Effect of thermal treatment on the essen-  
tial amino acids of Vicia faba, L. Acta".  
Alimentaria 5(2) 135-138.  
C.F. FSTA Vol. 9(1977) No. 8-8 J 1106.
- Jacorzynski, B. and Mielniczuk, Z. (1977).  
"Determination of free amino acids in soy-  
bean protein".  
Roczniki Panstwoego Zaklaodu Higieny 28(4)  
339-344.  
C.F. Food Science and Technology Abstracts  
Vol. 10(1978) No. 3-3 G 174.
- Kaldy, M.S. and Kasting, R. (1974).  
"Amino acids composition and protein qua-  
lity of eight faba bean cultivars".  
Canadian Journal of Plant Science 54(4)  
869-871.  
C.F. FSTA Vol. 8(1976), No. 3-3 J 391.

Kapoor, A.C. and Gupta, Y.P. (1977).

"Chemical evaluation and electrophoretic pattern of soy proteins".

Journal of Food Science 42(6) 1558-1561.

Knipfel, J.E.; Ilken, J.R.A.; Hill, D.C.; McDonald, B.E. and Owen, B.D. (1971).

"Amino acid composition of food proteins: Inter-and intralaboratory variation".

J. Assoc. Offic. Agr. Chem. 54:777.

Konno, S. (1979).

"Changes in chemical composition of soy-bean seeds during ripening".

JARQ (Japan Agricultural Research Quarterly) 13(3) 186-194.

C.F. Food Science and Technology Abstracts Vol. 12 (1980) No. 9-9 J 1261.

Kozłowska, H.; Borowski, J. and ElKowicz, K. (1976).

"Correlation between trypsin-inhibitor activity and protein content of soy products".

Zeszyty Naukowe Akademii Rolniczo-Technicznej w Olsztynie No. 164. (Technologia Żywności 10) 47-52.

C.F. Food Science and Technology Abstracts, Vol. 10 (1978) No. 3-3 J 379.

Kozłowska, H.; Rutkowski, A.; Borowski, J. and Elkowicz, K. (1977).

"The activity of soybean trypsin inhibitors during isolation and concentration of proteins". Acta Alimentaria Polonica 3(2) 9-106.

C.F. FSTA 9(12) 12-12 G 917.

Kramer, A., and Twigg, B.A. (1974).

"Fundamentals of quality control for the food industry". The Avi publishing company, Inc., Westport, Connecticut.

Krober, O.A. and Gibbons, S.J. (1962).

"Nonprotein nitrogen in soybeans". Agricultural and Food Chemistry, 10 (1), 57-59.

Leiner, I.E. (1977).

"Nutritional aspects of soy protein products". J. Am. Oil Chemists Society, Vol. 54, 454A - 472A.

Marquardt, R.C.; McKirdy, J.A.; Ward, T. and Campbell, L.D. (1975).

"Amino acid, hemagglutinin and trypsin inhibitor levels, and proximate analyses of faba beans (Vicia faba) and faba bean fractions".

Canadian Journal of Animal Science 55(3) 421-429.

C.F.FSTA Vol. 8(1976) No. 5-5 J 766.

Marquard, R.; Schuster, W. and Hornarnejad, R.J.  
(1980).

"Productivity and quality of oil and protein of six soybean varieties in cultivation studies at two German locations".

Fette Seifen Anstrichmittel 82(3) 89-93.

C.F.Food Science and Technology Abstracts  
Vol. 12 (1980) No. 10-10 N 454.

Metwalli, S.M.; Zoueil, M.E.; Mohamed, M.S. and El-Zalaki, E.M. (1975-a).

"Preparation of high quality roasted and fried peanuts. II. Chemical composition and amino acids content of raw, roasted and fried peanuts".

Alexandria Journal of Agricultural Research, 23(1) 139-144.

Metwalli, S.M.; Zoueil, M.B., El-Zalaki, E.M. and Safwat, M.M. (1975-b).

"Preparation of high quality roasted and fried peanuts. III. Changes in the moisture peroxide value, and free fatty acids content of roasted peanuts".

Alexandria Journal of Agricultural Research 23(3) 475-482.

- Moore, S.; Spachman, D.H. and Stein, W. (1958).  
"Chromatography of Amino Acid on sulpho-  
nated polystyrene resins".  
Anal. Chem. 30, 1185-1190.
- Mustakas, G.C., Albrecht, W.J. Bookwalter, G.N., McGhee, J.E., Kwolek, W.F., and Griffin, E.L.JR. (1970).  
Extruder-processing to improve nutritional quality flavour, and keeping quality of full-fat soy flour, Food Technology 24: 1290-1296.
- Naivikul, O. and Dappolonia, B.L. (1979).  
"Carbohydrates of legume flours compared with wheat flour. III. Nonstarchy polysaccharides".  
Cereal chemistry, 56 (2), 45-49.
- Needleman, S.B. (1970).  
"Protein sequence determination".  
Springervelage, New York, N.Y., USA.
- Nishiuchi, T. and Takahashi, T. (1966).  
"Dialdehyde Starch; II- Internal structure of the particle of dialdehyde starch".  
Kogyo Kagaku Zasshi, 69(5) 1050-3.  
Japan.  
C.F., C.A. Vol. 65, 12396 h.

Oser, B.L. (1959).

"An integrated essential amino acid index for predicting the biological value of proteins". In "Protein and Amino Acid Nutrition". Ed. Albancese, A.A.; P.281. Academic Press, New York, USA.

Pak, N. and Barja, I. (1975).

"Quality and protein value of broad bean (Vicia faba L.) cultivated in Chile".  
Agricultura Tecnica 35(2) 122-124.  
C.F. FSTA Vol. 9(1977) No. 8-8 J 1271.

Pellett, P.L. and Young, V.R. (1980).

"Nutritional evaluation of protein foods".  
The united and Nations University.

Pellet P.L. and Shadarevian S. (1970).

Food Composition Tables for Use in the Middle East. 2nd Edition American University of Beirut. Beirut, Lebanon.

Pomeranz, Y. and Meloan, C. (1971).

"Food Analysis". Theory and Practice".  
The Avi publishing company, INC.,  
Westport, Connecticut.

- Rackis, J.J.; Anderson, R.L.; Sasame, H.A.; Smith, A.K. and Vanetten, C.H. (1961).  
"Amino acids in soybean hulls and oil meal fractions".  
Journal of Agricultural and food chemistry, Vol. 9(5), 409-412.
- Rackis, J.J.; Honig, D.H.; Sessa, D.J. and Cavins, J.F. (1971).  
"Soybean whey proteins-recovery and amino acid analysis".  
Journal of food science, Vol. 36, 10-13.
- Rinne, R.W.; Gibbons, S.; Brodley, J.; Seif, R. and Brim, C.A. (1975).  
"Soybean Protein and oil precentages determined by infrared analysis".  
Agricultural Research Service, USDA ARS-NC 26, 4 pp.  
C.F. FSTA 8(7)-7 J 1201.
- Rizvi, S.S.H.; Josephson, R.V.; Blaisdell, J.L., and Harper, W.J. (1980).  
"Separation of a soy-spun fibre, egg albumen, and wheat gluten blend by sodium dodecyl sulfate gel electrophoresis".  
Journal of Food Science, 45(4) 958-961.

Roy, D.N. and Bhat, R.V. (1974).

"Trypsin inhibitor content in some varieties of soybean (Glycine max L.) and sunflower seeds (Helianthus annuus L.)".

Journal Science Food Agriculture vol.25,  
P. 765-769.

Sekhon, K.S.; Singh, T.P. and Auja, K.L. (1975).

"Fatty acid composition and their association in soybean".

Indian Journal of Nutrition and Dietetics  
12(1) 21-24.

C.F. FSTA 8(7) 7 J 1069.

Setty, K.J. and Rao, M.S.N. (1973).

"Studies on groundnut proteins. I. Effect of sodium dodecyl sulphate on the physicochemical properties".

Indian Journal of Biochemistry and Biophysics 10(3) 149-154.

C.F. FSTA Vol.8(1976) No. 2-2 J 258.

Seucere, N.J.; and Conkerton, E.J. (1978).

"Some Physicochemical properties of peanut protein isolates".

Journal of Agricultural and Food Chemistry  
26(3) 683-686.

Sikka, K.C.; Gupta, A.K.; Singh, R. and Gupta, D.P.  
(1978).

"Comparative nutritive value, amino acid content, chemical composition, and digestibility in vitro of vegetable and grain-type soybeans".

Journal of Agricultural and Food Chemistry  
26(2) 312-316.

Simard, C. and Boulet, M. (1978).

"Fractionation of proteins of soya, faba bean, and lucerne leaves by 'fractional dissolution".

Canadian Institute of Food Science and  
Technology Journal 11(1) 16-27.

C.F. FSTA Vol. 10(1978) No. 8-8 G 502.

Simunek, Z. and Rottova, J. (1975).

"Chemical and physical properties of soy proteins".

Prumysl Potravin 26(8) 466-468.

C.F. FSTA 8(5)- 5 G 294.

Smith, A.K. and Circle, S.J. (1978).

"Soybean chemistry and Technology".

Volume 1, proteins.

AVI publishing company, INC., Westport,  
connecticut.

- Sundar, R.S.; Hariharan, K. and Rao, D.R. (1976).  
"Major acidic peptides of *Arachis hypogaea* (peanut)". *Lebensmittel-Wissenschaft und-Technologie* 9(3) 180-182.  
C.F. FSTA 8(11)-11 J 1732.
- Szyrmer, J. (1977).  
"Selected results of research on soybeans".  
*Hodowla Roslin, Aklimatyzacjai Nasiennictwo* 21(2) 165-170.  
C.F. Food Science and Technology Abstracts  
Vol. 10 (1978) No. 11-11 J 1634.
- Tharanathan, R.N.; Wankhede, D.B. and Rao, M.R.R. (1975).  
"Carbohydrate composition of groundnuts (*Arachis hypogaea*)".  
*Journal of the Science of Food and Agriculture* 26(6) 749-754.
- Tharanathan, R.N.; Wankhede, D.B. and Rao, M.R.R. (1976).  
"Mono- and oligosaccharide composition of groundnut (*Arachis hypogaea*)".  
*Journal of Food Science* 41(3) 715-716.
- Utsumi, S.; Yokoyama, Z. and Mori, T. (1980).  
"Comparative studies of subunit compositions of legumins from various cultivars of *Vicia faba* L. seeds".  
*Agricultural and Biological Chemistry* 44(3) 595-601.

Wilson, L.A.; Birmingham, V.A.; Moon, D.P. and Snyder,  
H.E. (1978).

"Isolation and characterization of starch  
from mature soybeans".

Cereal Chem. 55(5): 661-670.

Wolf, W.J. (1977).

"Legumes: seed composition and structure pro-  
cessing into protein products and protein  
properties".

A chapter in: Food proteins. PP. 291-314.

J.R. Whitaker and S.R.T. annenbaum, Editors.

AVI Publishing Company Inc., Westport, Conn-  
eticut, USA, 602 Pages.

Young, C.T. (1980).

"Amino acid composition of three commercial  
peanut varieties".

Journal of Food Science 45(4), 1086-1087.

Young, C.T. and Waller, G.R. (1973).

"Variations in total amino acid content of  
peanut meal".

Journal of the American oil chemists, Society  
Vol. 50, 521-523.