

References

- Abdel-Ati, Y. Y. and M.N.M. Hassan (1993):* Effect of sowing date and growth regulators on pea. Egypt.Journal Appl. Sci, 8: 658-663.
- Abd El-Halim, S. M.; Shalaby, M. A. F. and El-Greadly, N. H. (1995):* Comparative sensitivity of five cultivars of wheat to Indol acetic acid and Absciscic acid-Egypt J. Appl. Sci. 10: 812-820.
- Abd – Elgany (1992):* Studies on the physiological response of (Vicia faba) to uniconazole. Msc. Botany department, faculty of science, Cairo university.
- Abd El – Rahman, K. A.; M. A. El- Morshidy; M. A. Khalifa; E. A. Hassaballa and H. A. Abd El- Rahim. (1980):* Flowering, abscission, yield and Quality of broad bean as affected by sowing date and irrigation frequency. Res. Bull. 1253, Fac. Agric. Ain Shams Univ., 12 PP.
- Abd El-Salam, A. S. (1963):* Studies on spacing planting dates in cowpea. Msc. thesis, faculty of Agric. Cairo, Univ. PP. 171.
- Abou-Elleil, G. A. and El-Wazeri, S. M. (1978):* Significance of foliar application with certain growth substances for controlling shedding in field bean (Vicia faba . L.) Agric. Res. Review, 56 : 59 – 63 .

Adedipe, N. O.; Hunt, L. A. and Flecher, R. A. (1971): Effects of benzyl adenine on photosynthesis, growth and senescence of the bean plant. *Physiol. Plant.* 25: 151 – 153.

Al - AbdulKreem (1993): Physiological studies on the effect of uniconazole on wheat Ph.D Thesis coll of Sci for Girls. Dammam, Saudia. Arabia.

Ali, A. M. M. (1969): influence of seeding date and harvest time on yield and its components in bean (*Vicia faba*, L.) Msc. thesis, Fac. Agric.

Ali, A. O; A. M. Damarany; E. A. Woly and A. Abdel Aal (1994): Effect of planting date on the yield and Quality of Pea. *Assiut journal of Agricultural sciences*, vol. 25, No. 3 :53 - 61 1994.

Ali-Khan, S. T. (1977): Seed yield, seed weight, percent protein and protein yield of field peas as affected by seedling dates. (C. F. field crop, Abstr 30 (9). 5369).

Al-Muqauda , L. A. (1997): Physiological Responses of tomato plant to high temperature stress and hardening MSc. Thesis coll. Of Sci. for Girls Dammaam, Saudi Arabia.

Aloni, B. and Pashkar (1987): Antagonistic effects of paclobutrazole and gibberellic acid on growth and same biochemical characteristics of pepper (*capsicum annum* L.) transplants. *Sci. Hortic.* 33, (3,4): 167 – 177.

- Amos and Crowden, R. K. (1969):** Effects of vernalization, photoperiod, and the cotyledon on flower initiation in Greenfeast Peas. Aust J. Boil Sci. 22 : 1091.
- Asztalos, G. (1957):** Vernalization of vegetables. Kert. Knt. InT. Evk. 2, 281; (C. F. Hort. Abst. 29, 383, 1959.)
- Aziz, F. H.; K. S. Abdul and T. J. Salih. (1989):** The response of leaf less Pea to northern Iraqi conditions. 2. Effect of autumn and spring sowings. ZANCO, 2 :31-42. (c.f. Hort. Abst., 60: 5259) .
- Badr, A. M., N. A. Nour EL- Din and A. M. Abdel-Gawad. (1974):** Horse bean plant as affected by some agricultural practices Ann. Agric. Sci., Moshtohor 2: 15-24.
- Badr, S. A; G. C. Martin and H. T Harmann (1971):** A modified method for extraction and identification of abscisic acid, gibberellin – like substances from the olive (Olea European). Physiol. Plant 24: 191.
- Balzheva, N. and Angelov (1987):** Effect of synthetic inhibitor agrostemin on lucerne chemical composition. Rastenive “dni Nauki” 24 (18): 113 (C. F. Growth Regul. Abst. 14 (5) No. 900, 1988).
- Betts, G. R.; P.D. Hebblethwaite and A.D. Baylis (1991):** Effect of growth regulators J.F.10405 (Parlay C) on the development, yield components and yield of winter sown field bean (Vicia faba L.). Monograph British Soci. For plant growth Regul. 22, 33-51. (C.F. field crop Abst. 44 (9): No. 6581, 1991)

- Brown, J. D. and Lilleland, O. (1946):** Rapid determination of Potassium and sodium in plant material and soil extracts by flame photometry. Proc. Amer. SOC. Hort. Sci. 48: 314 – 346.
- Buchenaver, H.; B Kutzner and T. koths (1984):** Effect of various triazole fungicides on the growth of cereal seedlings and tomato plants, as well as on GA contents and lipid metabolism in barley seedlings. Pflanzenschutz 91 (5): 506-524 (C.F. Biol. Abst. 79 (11): No. 99001 (1985)
- Buttner, G. (1960):** The effect of different photoperiodic on the development and yield of sweet Peas. Arch Gartenb, 8: 311. (C. F. Hort. Abst., 31 : 1100) .
- Candido, V.; Miccolis, V.; Vannella, S. (1998):** Results of a two-year research study on pea for processing (Pisum sativum, L.) conducted in the of anto plain. Department di produzion vegetale; Sezione di ortofloricoltura, university of Basilicata, Potenza, Italy, Agriculture Mediterranea, 128 : 1,34 – 46 ; 6 ref.
- Cervato, A. and Marudelli, M. (1988):** The uptake and removal of nutrients by Peas for canning. Results of three years. (C. F. Horti. Abst. 58: (1), 273).
- Chen R.M. (1990):** *Effect of BA upon the amount of protochlorophyllide (P.chide) and NNR protein and the activity of NNR in Cucumber cotyledons. Acta Bot. Sin 32: 599-605.*
- Chouard, P. (1960):** Vernalization and its relation to dormancy. Ann. Rev. plant physiol. 11: 191.

Cole, d. F. and wheeler, J. E. (1974): Effect of pregermination treatment on germination and growth of cotton seeds at suboptimal temperature. Crop Sci. 14: 451

Cors – F and Falisse – A (1987): The effect of growth regulators on two spring legumes: protein Peas and field beans. Mededelingen – van – de – faculties – land bouwwetenschappen – Rijksuniversiteit – Gent 1987, 52 : 3b , 1266.

Cowling, S. A.; Sage, R. F. (1998): Interactive effects of low atmospheric CO₂ and elevated temperature on growth, photosynthesis and respiration in (Phaseolus Vulgaris). Plant – cell – and Environment 1998, 21: 4, 427 – 435.

Crosby, K. E.; Aung, L. H. and Buss. G. R (1981): Effect of cytokinin and other hormones on soybean (Glycine max L. Merr.) fruit and seed development. Proc of plant growth Reg. Soc. Of America. Aug. 3-6.

Davis, T. C. (1986): Influence of Triazole growth retardants on adventitious root formation in bean hypocotyl cuttings Proceeding of plant Growth Regul. Soci. of Amr. the Annual Meeting. Florida, August 217.

Dessonova, V.P.; Lyzhenka, I. I.; Michailov, O.F and Kulaeva, O. N. (1985): Effect of Kinetin on growth of pea seedlings and pigment content under conditions of zinc sulphate in the solution. Soviet plant Physiology. 32 :114.

- Dubois, M.; Gilles, K.A.; Hamilton, J.K.; Robers, P.A. and Smith, F. (1965):** Calorimetric method for determination of sugars and related substances *Anal. chem.* 28 : 350 .
- Dybing, C.D.; Westgate, M. E. (1996):** Genotypic variation in raceme – applied cytokinin effect on pod set and seed yield in soybean (Glycine max). *Quarterly*. 24 : 177 – 187..
- Eashi, Y. and Leopold, A. C. (1969):** Cotyledons expansion as a bioassay for cytokinins. *Plant physiol.* 44: 618.
- Eid, S. M. ; Farag, S. S. and Abed , T. A. (1988):** Effect of nitrogen and phosphorus fertilizers as well as vernalization on growth, chemical composition , yield and quality of Broad bean. *Annals. of Agric. Sci. Moshtohor*, 26 : 1988.
- El-Bassiony, A. M. (1998):** some cultural treatments effecting growth and productivity of Pea (*Pisum sativum*, L.) Msc. thesis Fac. Of Agric. Ain shams Univ.
- El-Beheidi, M. A.; El-Sawan , M. H. ; El-Ghamriny, E.A. and Afia , F. H. (1991):** Effect of foliar spray with kinetin , CCC, and GA3 on growth And yield of broad bean plants. *Zagazig J. Res.* 18 : (6) : 1935 – 1945.
- El-Fadaly, K. A; El-Hassan, E. A. A.; Agwah, E. M. R. (1990):** Studies on growth, yield, root quality and seed production of garden beet (Beta Vulgaris, L). *Faculty of Agric Univ. of Cairo* 41: 755-765.

El-Murabaa, A. I. (1965): A study of yield and quality in three cultivars of garden peas. Alexandria Jour. Agric. Res. B: 407 – 417.

El-Murabaa, A. I.; A. M. Butt, S. A. Abdel-Aal and K. B. Salem (1987):
Effect of cultivar and planting date on faba bean performance Assiut journal of Agric. Sci.. 18: 203 – 213 .

El Seifi. S. K.; Moursy, M.M. and El-Mighawry, A. (1991 -a): Effect of sowing date and number of plants per hill of snap bean for export. 1-on plant growth characters. Egypt . J. Appl- Sci., 6 :294 – 308.

Fletcher, R. A. and G. Hofstra (1985): Triadimefon: a plant multi-Protectant. Plant cell physiol. 26: 775–778.

Fletcher, R. A. and Arnold, V.(1986) :Stimulation of cytokinins and chlorophyll synthesis in cucumber cotyledons by triadimefon . Physiol. Plata 66 : 197 – 201.

Gill, I. A. and Ahmad, M. 1981: Effect of different sowing times on the growth and yield characteristics of same promising peas (Pisum sativum L.) varieties. Journal of Agriculture Research. Pakistan 19 :73 –75. (C. F. Hort. Abst. 54 (8): 5420).

Graman, J. (1969): Vernalization of broad bean seeds on the mother plants Rostl. Vyroba, 115 : 117 – 25 . (C. F. Hort. Abst. 40: 3828)

Griga, - M., Tejklova, - E; Novak, - FJ (1984): Growth regulator action on Pea: (Pisum sativum L.) shoot apices in invetro culture.

Slechtitelska stance, 75117 Horni Mostenice, Czechoslovakia.
Rostlinna-Vyroba. 30 : 523 – 523.

Grossmann, K.; J. Kwiatkowski; H. Siebecker and J. Jung (1987):
Regulation of plant morphology by growth retardants. Plant physiol.
84: 1018 – 1021 .

Gubbels, G. H. (1978): Quality of yield and weight per seed of green field
peas, as affected by sowing and harvest dates. (C. F. Abst. 48 (1)
3522).

Hale, M. G. and Orcutt D. M. (1987): The role of phytohormones in stressed
plants In: Physiology of plants under stress A wily Interscience
publication John wile esons. p. 145-169.

Hanafy, M. S. N., (1973): Evaluation of some snap bean varieties M. S. C.
thesis, Fac. Agric Cairo Univ. PP. 129.

Hassan, M. M. (1980): Agricultural studies on bean (Vicia faba). Msc.
Thesis, Fac. Agric. El-Minia Univ. 143 pp.

Hathout T. A. (1995): *Diverse effect of uniconazole and nicotinamide on
germination, growth, endogenous hormones and some enzymic
activities of pea.. Egypt J. physiol. Sci. 19: 77-59 .*

Higazy, A. T.; Youssef, E. and Khalil S. (1972): Biochemical and growth
patterns of bean plants as affected by kinetin. Cairo Sci. Bull. 45:
119.

- Higazy, M.A.; El-Habbasha, K. M., Kheir, N.F. and Bakry M.O.(1974a):**
Vegetative growth , flowering and yield of pea plant as affected by light intensity and seed vernalization. Die Gartenbauwissenschaft, Schriftleitung. 39, 555.
- Higazy, M. A.;El- Habbasha, K.M.; Kheir, N.F. and Bakry, M.O.(1976):**
Vernalization of pea seeds and its influence on the growth , flowering, chemical composition and yield of the plant. Egypt. J. Hort., 4 No. 2, PP. 163- 177 (1976) Botany Department, National Research center, Cairo, Egypt.
- Huberman, M., Riov, J., Aloni, B and Goren, R. (1997):** Role of ethylene biosynthesis and auxin content and transport in high temperature-Induced abscission of pepper reproductive organs. J. plant growth Reg. 16: 129-135.
- Hussain, A.; A. M. Malukera and M. Habib. (1976):** Effect of planting dates on the yield of different varieties of peas in the Punjab. Journal of Agric. Res., 14 : 92 – 93
- Hussain, A., Malukera, A. M. and Habib, M. (1978):** Effect of planting dates on the yield of different varieties of peas in the punjab. (C.F. Hort Abstr. 48 (1) 4598).
- Imam R.M. and M. A. Bekheta (1995):** Growth parameters, photosynthetic Pigments and mineral ions content of bean (Vicia faba CV. Giza 402) plants raised from per- sowing uniconazole soaked seeds. Egypt J. Physiol. Sci. 19 : 217 –228.

- Imam, R.M.; S. Abd El- halim and S. Adam. (1995):** Response of pea (Pisum sativum, L) to different treatments with uniconazole. Egypt J. Physiol. Sci. 19, No. 1-2 pp. 279 –292. .
- John, M. K. (1970):** Calorimetric determination of Phosphorus in soil and plant materials with ascorbic acid. Soil Sci. 109: 214-220.
- Khalil M. A. I. (1990):** Influence of planting date and nitrogen fertilizer on cowpea seed yield under the conditions of sandy soil. Annals of Agric. Sci. Moshtohor 28 (2).
- Khalil, S. and Al -AbdulKreem, S. S. (1999):** Physiological and biochemical responses of wheat to uniconazole J. Agric. Sci. Mansoura Univ. 24. 5545-5558.
- Khalil, S. and Mandurah, H. M. (1990):** Effect of water deficiency and kinetin on growth and nitrogen metabolism of cowpea plants. J. Agronomy and crop Sci.: 164: 93 –99 .
- Khan, A. H. and A. M. Zafar 1971.** Effect of dates of sowing on the yield of different pea varieties in Quetta valley. Journal of Agricultural Research, 9 : 145- 147. (C. F. field crop, 26 : 1262)
- Khoklova, V. V. and chuzhkour, G. P. (1976):** The content of endogenous auxins and growth inhibitors in winter wheat under light culture conditions. Izv. Sib. Oto. Akad. SSSR., Ser. Biol. Nauk 1 : 107.
- Klimova, E.V (1972):** Effectiveness of mineral fertilizers applied to peas in relation to sowing date and rate. Khimiyavsel skom khozyaistve,

10: 16-17 . (C. F. field crop, 26: 4182).

Kriesel, K.; Lamparska, K. and Michniewicz, M. (1983): Further studies concerning the role of gibberellins in seed vernalization. Bulletin – of the polish – Academy – of Sci, Biology . 31 : 1/12, 91 – 95.

Kuang, A.; Peterson, C. M.; Dute, R.R. (1991): Pedicel abscission and rachis morphology of soybean as influenced by benzyl amino purine and the presence of pods. J.. Plant – Growth – Regulation. 10 : 291-303.

Kushima, K., Katagiri, K. and Takahash, y. (1962): Studies on vernalization of peas, Proc. Crop. Sci. Japan. 31, 318; (C.F.fild crop Abst. 16, 768, 1963.

Law, D. M. and Hamilton, R. H. (1989): Reduction of free IAA levels in Alaska pea by the gibberellin biosynthetic inhibitor uniconazole. physiol. Plant. 76: 535-538.

Levitt, J. (1980): Responses of plants to Environmental stresses vol. I Chilling, freezing and high temperature stresses 2nd ed. Academic press New York.

Lynas, C. (1981): Cytokinins, photoperiod and flower bud development in (Phaseolus vulgaris). Cambridge CB2 3DX, UK. 184PP.

Macky, C. E.; Hall, J. C.; Hofstra, G. and flecher, R. A. (1990): Uniconazole induced changes in abscisic acid, total amino acid, and proline in (Phaseolus vulgaris). Pesticide Biochemistry and Physiology, 3: 74-82.

- Major, D. J.; Hanna, M.R. and Beasley, B.W. (1991):** Photoperiod response characteristics of alfalfa (*Medicago sativa*). Canadian – Journal – of plant – Sci. 1991, 71 : 87-93; 19 ref.
- Mandurah, H. M. (1984):** Effect of water deficiency and some growth substances on growth, metabolism and productivity of cowpea (*Vigna sinensis savi*). Msc. thesis college of science for Girls, Dammam, Saudi Arabia
- Mansour, F. A.; EL-Shahaby O. A; Mostafa, H. A; Gaber, A. M. and Rammadan A. A. (1994):** Effect of Benzyl adenine on Growth, Pigments and ductility of soybean. Egypt J. Physoil 18, No 2, PP. 345 –364.
- Martin R. J and Tabley, F. J. (1981):** Effect of irrigation, time of sowing, and cultivar on yield of vining Pea. (C. F. New Zealand of Experimental Agriculture, 1981, 9: 291 –297.
- Mauk, C. S.; Bausher, M. G. and Yelenosky, G. (1986):** Influence of growth regulator treatments on dry matter production fruit abseission and 14 C-assimilate partitioning in Citrus J. plant Growth Reg. 5: 111-120.
- Mey-Jam –Van-der; McDonnald, A.; Mey – GA- van – der; Van – der – Mey – Jam; Van – der – Mey – G.A. (1992):** The effect of vernalization on flowering, dry matter and macro element content in *Lupinus albus* cultivars. Department of Agric. – Development, - South – Africa. 1992, No. 232, 169-172; proceedings of the ninth south

African maize breeding symposium, pitermaritzburg , sourt Africa,
20 –22 March 1990; 5 ref .

Mohamed, L. K. (1972) Physiological response of the field bean plants to
planting dates and population density. Ph. D thesis, Fac. Agric. Ain
shams Univ., 303 PP.

Mohsen-AA; Kasam –EA; EL-Shaey-A (1994): Carbohydrate changes of Pea
seedlings as affected by growth regulators and humid cold stage of
Pea seeds. Botany Department, Faculty Sci, Tanta Univ. Egypt.
Egyptian – Journal – of Physiological- Sciences. 18: 87 –112.

Mohsin, M. and M. S. Smith (1972): The influence of some growth retardants
on the growth and mineral composition of plants. Pesticide Sci. 3,
(3): 333 – 344.

Moore, T. C. and Bonde, E. k. (1958): Interaction of gibberellic acid and
vernalization in the dwarf Telephone Pea. Physiol. Plant. 11: 752.

Moore, T. C. and Bonde, E. K. (1962): Physiology of flowering in Peas. Plant
physiol. 39, 149.

Murphy, J. and Riely, J. P. (1962): A modified single solution method for the
determination of phosphate in natural water . Anal. Chem. Acta. 27 :
31 – 37 – 36 .

Naito, K.; Tsuji, H. and Hatekeyama, I (1978): Effect of benzyl adenine on
DNA, RNA, Protein and chlorophyll contents in intact bean leaves:
differential responses to benzyl adenine according to leaf age.
Physiol. Plant. 43: 367 – 371.

- Nakamura, E.; Hattori, Y. and Otono, H. (1962):** Studies on branching in (*Pisum sativum*, L.0 I. Effect of photoperiod and seed vernalization on branching, J, Hap Soc. Hort. Sci. 31, 64; C.F. Hort Abst. 33, 3040 1963
- Narasimhareddy, S. B. and Swamy, P. H. (1979):** Absciscic acid like inhibitors and cytokinins during and after ripening of dormant peanut seeds. *Arachis hypogaea* Physiol. Plant 46: 919.
- Oshia, H.; Tanka, S. and Izamik (1990):** The development of uniconazole as a new growth retardant and studies on its mechanism of action and practical uses. Chemical Regal. Of plants 25: 8-18.
- Panysheva, M. D. (1980):** Effect of seed quality on field emergence of peas. Trudy N I I S -Kh. Sev. Zaural, ya, 32: 63 – 72. (C. F. seed Abst., 4 : 97).
- Powell, L. E. J. (1959):** Paper chromatography of the auxin. Bot. Rev. 25: 195.
- Pregl, E. (1945):** Quantitative organic microanalysis. 4th Ed. J. and A. chundril, London, 94-101.
- Raffat, A, and Herwig, K. (1975):** Accumulation of metabolites and retardation of leaf senescence by 6-benzyl amino Purine or disbudding treatment in intact bean plants. Boden Kuture. 26: 355-368.
- Reath, A.N. and Wittwer, S. H. (1952):** The effects of temperature and Photoperiod on the development of pea varieties. Proc. Amer. Soc. Hort. Sci. 60; 301-310.

- Reena, Tagade; Deotale, R.D.; Sunita, Sable; Chore, C. N.; Tagade, R. and Sable, S. (1998):** Effect of IAA and kinetin on biochemical aspects and yield of soybean. Deptt of Botany, College of Agriculture, Nagpur, India. Journal- of – Soils – and crops. 8: 172- 175.
- Restuccia, G. (1977):** Effect of dates of sowing and harvest on yield of (*Pisum sativum*, L) Sementi elete , 23 (2) : 33-43. (C.F. field crop, 31: 1885)
- Rylott, P. D. and smith, M. L. (1990):** Effect of applied plant growth substances on pod set in broad beans (*Vicia faba* var. major) J. of Agric. Sci. Cambridge 114: 41.
- Sabater, B. and Rodinguez, M. T. (1978):** Control of chlorophyll degradation in detached leaves of barley and oat through effect of kinitin on chlorophyll levels. *Physiol. Plant.* 34: 274-276.
- Saharia, P. (1986):** Relative performance of varieties to sowing dates India J. of Agronomy, 31 (4): 337-379. (C.F. Hort. Abst., 58: 2871).
- Salem, A. E. H. 1969:** Fruit setting and yield of bean plant as affected by agronomic factors. M. Sc. Thesis, Fac. Agric. Ain shams Univ., 105 PP.
- Salem, S.M. (1989):** Effect of some growth regulators and micronutrients on growth and productivity of soybean plants (*Glycine max* L.0: Bulletin, of – Faculty – of Agric., Univ. of Cairo. 40 : 213-223.

Sankhla, N.; Davis, T. D; Upadhyaya, A.; Sarikhla, D.; Walser, R. H and Smith, B. N. (1985): Growth and metabolism of soybean as affected by paclobutrazol Plant cell physiol. 26 : 913-921.

Schroeder, HE (1984): Effects of applied growth regulators on Pod growth and seed protein composition in (Pisum sativum L.) . Australia. J. of Experimental-Botany. 1984, 35: 155, 813-821; 24 ref.

Shafshak, N. S. 1987: Response of pea to vernalization of seeds Hort. Dept., Fac. of Agric. Moshtohor, Zagazig Univ. f. Annals. of Agric. Sci., Moshtohor, 25 : 1627 - 1640.

Shahine, A.H.; EL-Desouky, S.A.; Abd EL-Dayem, H.M. and Wanas-Ali (1992): Response of fenugreek (Trigonella foenum – graecum L.) and Pea (Pisum sativum L.) to foliar spray with some growth regulators .II- Flowering, dry with, seed production and its organic matter content. Annals of Agric. Sci . , Moshtohor . 30 : 2, 755 –775.

Shalaby, M. A. (1989): Studies on the role of some growth regulators on flower abscission and yield of lentil (Lens culinaris) Ph.D. thesis Fac. of Sci. Cairo Univ. U.A.R.

Shalaby, Y. Y. and L.K. Mohamed (1977): Field beans flowering characters as influenced by some environmental factors. Egypt. J. Agron. 2 (2): 169-177.

Shyen, Y. O; M. Z.. Sheng; H. F. Coa and J. H. Yin (1990): Effect of paclobutrazol (PP 333) on the growth and yield of rape. Acta Agric. Shanghai, 6 : 23 –31.

- Siffel, P. and Seastak, Z. (1991):** Season changes in the development of pigment apparatus of primary leaves of fresh bean. (C.F. Hort Abst. 61 (7) : 5894).
- Sredecor, G. W. and Cochran, W. G. (1980):** Statistical method 7th Ed. Iowa state Univ. Press, Ame. A. Iowa, U.S.A.
- Srivastava, B.K. and R. P. Singh. (1990):** Morpho physiological, response of garden Pea (Pisum sativum L.) cultivars to sowing dates, II. Growth and development pattern. Vegetable Sciences, 17 : 140-148. (C. F. Hort. Abst., 62 : 82630).
- Stino, K. R.; Abd El-Fattah, M. A. and Abd El Salam A. S. (1967^a):** Effect of spacing and planting date on some vegetative characters of cowpea. (Vigna sinensis, savi) BIIndia Journal of Agronomy, 31 4 : 337-379.
- Stino, K. R., Abd EL-Fattah, M. A. and Abd EL-Salam, A. S, (1967^b):** Effect of spacing and planting date on some pod characters of cowpea. (Vigna. sinensis) the 2nd. Arabic. Hort. Conf. Cairo PP. 248-250 (in Arabic).
- Tang, R.S.; Zhang, J.Y.; and W.U., G.G. (1992):** Effect of multiple effect Triazole (MET) on rape seedlings growth and its mechanism. Tiangsu J. of Agricultural Sciences 8:7-12.

Tayel, M. A.; Moursi, M. A.; Nour EL-Din, N. A. and Bakkry, A. (1967): *Effect of plant density and nitrogen fertilizer on the growth and yield of snap bean . 2nd Arab. Hort conf. Held in Cairo. March 1967 (in Arabic)*

Tsybul , K.o. Vs; Karpukhina- AM (1991): Activity of auxins and cytokinins in the leaves of plants in relation to winter habit and photoperiod response. Genetiki, Khar' Kov' Ukrainian SSR. Fiziologiya -i- Biokhimiya- kul' Turnykh-Rastenii. 23 : 333- 340.

Venkatorayappa, T. Fletcher, R.A.; Thompson, J.E. (1984): *Retardation and reversal of senescence in bean leaves by benzyl adenine on decapitation. Plant – and Cell – physiology. 25 : 407 – 418.*

Veselov, S.Y.; Kudoyarov, G.R.; Mustafin, A. R. and Valcke (1995): The pattern of cytokinin content in transgenic and wild type tobacco seedling as affected by heat shock. Russian J. of plant Physiol. 42: 617-620.

Wang, S. Y. Byun, J. K. and Steffens , G. L. (1985): Controlling plant growth via the gibberellin biosynthesis system – 11. Biochemical and physiological alterations in apple seedling. Physiol. Plant. 63: 169-175.

Wang, S. Y.; Steffens G. L. and Faust, M. (1986^a): Effect of paclobutrazol on accumulation of carbohydrates in apple wood. Hort. Sci. 21: 1419-1421.

- Wang, S. Y.; Steffens, G. L. and Faust, M. (1986^b):** Effect of paclobutazol on cell wall polysaccharide composition of the apple tree. *Phytochemistry*, 25: 2493 – 2496.
- Wareing, P. F. and Phillips, I. D. J. (1981):** Growth and differentiation in plants. 3rd ed. Pergamon pp. 64-66
- Wettstein, D. (1957):** Chlorophyll Lethal under submikro-stopiche formwechsel der plastiden. *EXOTL. Cell. Res.* 12: 427 – 433.
- Wilkins, M. B. (1969):** *The physiology of plant growth and development. Mcgraw Hill, London, 695 PP.*
- Yokoyama- M; Naito, - K; Suzuki-H (1983):** *Benzyl adenine – enhanced growth of attached young bean leaves. Studies with inhibitors of nucleic acid and protein synthesis. Japan. Plant and cell-physiology. 24 : 749 – 757.*
- Youssef. E.; S. Khalil and Kinawy (1970):** Anew coleoptile section test for natural growth substances. *U. A. R. J. Bot. B:* 203-209.
- Zaki, M. E. Helal, R. M. and Gabal, M. R. (1982):** Effect of vernalization of broad bean seeds on plants vegetative growth, flowering and yield ability. *Annals of Agric. Sci., Moshtohor.* 17: 217-225.
- Zarrin – Fatima, Asghari- Bono (1998):** Effect of seed treatment with growth hormones and rhizobium on the oil contents, nitrogen fixation and yield of soybean. *Pakistan. J. of Botany.* 30 : 83-86 .

Zerbe, R., and A. Wild, (1980): The effect of kinetin on Photosynthesis apparatus of sinapis alba. Photosynthesis Research 1, 53-64

Zholobak, - GM (1986): Effect of a complex treatment of pea plant with growth regulators on nitrogen fixation, nitrogen utilization and yield. Fiziologiya- Biokhimiya- kul, turnykh-rostenii. 1986, 18: 279-283.

Zieslin, N.; Mor, Y.; Khayat, E and leny, M. (1985): The use of Cytokinins for formation of flower production in roses Acta Hort. 167: 433-434.

Zimmermann, I. (1965): Vernalization and plasmolysis of Mako onion seeds. Novenytermeles, 14 : 149.(C. F. Hort. Abst. 36, 6731, 1966.