

CURRICULUM VITA



NAME: Sherif Fathy El Sharabasy
CONTACT ADDRESS: 9 Gamma St. – Giza – 12619, Egypt

MOBILE TELEPHONE: +2 01113933377 - +2 01001106654
EMAIL ADDRESS: sharabasydates@yahoo.com

DATE OF BIRTH: March 3, 1962
NATIONALITY: Egyptian
MARITAL STATUS: Married
PLACE OF BIRTH: Egypt
CHILDREN: 2 Female

ACADEMIC QUALIFICATIONS

EDUCATION

| FROM | TO | INSTITUTION | DEGREE | SUBJECT |
|------|------|--|---------|----------------|
| 1980 | 1984 | Faculty of Agriculture, Ain Shams University | B.Sc. | Horticulture |
| 1987 | 1989 | Faculty of Agriculture, Al Azhar University | Diploma | Horticulture |
| 1992 | 1995 | Faculty of Agriculture, Al Azhar University | Master | Horticulture |
| 1996 | 2000 | Faculty of Agriculture, Al Azhar University | Ph.D. | Horticulture |
| 1999 | 2001 | Faculty of Commerce, Ain Shams University | Diploma | Administration |

EMPLOYMENT HISTORY

| FROM | TO | ORGANIZATION / INSTITUTION | POSITION HELD |
|------|------|---|--|
| 2022 | | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | (part time professor (Retired professor)) |
| 2011 | 2017 | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | Director |
| 2010 | 2022 | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | Chief Researcher (Professor) |
| 2005 | 2010 | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | Associate Professor |
| 2002 | 2011 | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | Director of -echnical Office |
| 2000 | 2005 | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | Researcher |
| 1997 | 2000 | The Central Laboratory of Date Palm Research & Development, Agricultural Research Centre. | Associate Researcher |
| 1992 | 1997 | Horticulture Research Institute, Agricultural Research Centre. | Agricultural Engineer |
| 1992 | 1997 | Tissue Culture Laboratory, Agricultural Development Systems Project, Ministry of Agriculture. | Agricultural Engineer |

SCIENTIFIC PAPERS

| No. | Research papers | Scientific supervision | Date palm Researches | beneficiaries | dates |
|-----|-----------------|------------------------|---|--|-----------|
| 1 | > 90 | > 15 | <ul style="list-style-type: none"> - Biotechnology - Agricultural and horticultural operations - Nanotechnology applications - Diseases - insects - Industries - AGgri-machining | <ul style="list-style-type: none"> - Readers: more than 23 thousand. - 296 citations | 2001-2022 |

SCIENTIFIC activities

| No. | Scientific conferences | Workshops | symposium Scientific | Scientific seminars | Date |
|-----|------------------------|-----------|----------------------|---------------------|-----------|
| | 43 | 66 | 51 | 68 | 2001-2022 |

PROJECTS PARTICIPATION

| FROM | TO | ITEMS | ORGANIZATION/ INSTITUTION | PARTICIPATION |
|------|------|---|---|----------------------|
| 2000 | 2002 | MICROPROPAGATION OF DATE PALM USING PROTOPLASM | Faculty of Agriculture, Zagazek University | Member |
| 2006 | 2008 | CROP INTENSIFICATION PROJECT | FAO | National expert |
| 2014 | 2014 | Training mission of cultivation and maintenance of date palm in Kenia and Somalia | FAO | International expert |
| 2016 | 2019 | Date Palm Value Chain Development in Egypt | FAO | National expert |
| 2019 | 2019 | Digital Agriculture Extension in Egypt | FAO | National expert |
| 2019 | Now | The national project to controlling the red palm weevil in the economic areas in Egypt | Agriculture Research Center (ARC) | Member |
| 2019 | 2022 | Optimizing in vitro cryopreservation methods for long-term storage of Egyptian date palm cultivars. | (National Strategy for Genetic Engineering and Biotechnology - ASRT). | Expert |
| 2021 | 2021 | Development of Date Palm Products and By-products Value Chains in Sudan (TCP/SUD/3703 | FAO | International expert |

| Scientific Missions | | | |
|---------------------|------|---|---------------|
| FROM | TO | ORGANIZATION/ INSTITUTION | POSITION HELD |
| 2009 | 2020 | Biotechnology Qualification Committee, Faculty of biotechnology | Supervisor |
| 2005 | 2012 | Tissue Culture Laboratory, Agricultural Development Systems Project, Ministry of Agriculture. | Head activity |
| 2004 | 2011 | Technology Management and Communitisation Office, ARC | Member |
| 2003 | 2011 | Horticulture crops producers and exporters union, Ministry of Agriculture. | Member |
| 2003 | 2011 | National Gene Bank | Member |

CONFERENCES & WORKSHOP

- Participation and attend up to 45 (forty five) conference and 40 (forty) workshops related to date palm and Horticulture.
- Participate as instuctor for about 14 (fourteen) scientific seminars(Symposia) specific for date palm technical.
- Participation and attend up to 48 (forty eight) Seminars (Discussions) related to date palm and Horticulture .

EXTENSIONS PROGRAM

a) Extensions Events

- Up to 45 (forty five) extensions meeting with farmers, agricultural guides and farmer supervisors all over Egypt and Trainees from some Arab countries.
- Up to 44 (forty three) Training courses with farmers, agricultural guides and farmer supervisors in Siwa,Wahat Baharia, Aswan, Biahera , Kafr El Sheekh , Giza, Asyut and New Valley.
- Up to 47 (forty seven) Field days with farmers, agricultural guides and farmer supervisors in Siwa,Wahat Baharia, Aswan, Biahera , Kafr El Sheekh , Giza and New Valley.
- The themes are dealing with Tissue Culture and Horticulture of date palm as well as intensifications.

b) Extension materials published

| Book Title / Paper/ Chapter | material | Single | With others | edited | As reviewer | Date | Publisher |
|---|----------|--------|-------------|--------|-------------|------|--|
| Propagation and cultivation of date palm | Bulletin | + | | | | 2000 | MALR |
| Horticulture application for date palm crown. | Bulletin | + | | | | 2002 | MALR |
| Date palm of the New valley | Leaflet | + | | + | | 2007 | FAO |
| Date palm and Intensification | Leaflet | + | | + | | 2007 | FAO |
| Suitable environmental conditions and methods of cultivation and horticultural practices for Olive, mango & date palm. | Leaflet | + | | + | | 2007 | FAO |
| Economic & strategic values of date palm in Egypt. | Book | + | | | | 2009 | El-Balagh Prints & publishers |
| Date Palm Status and Perspective in Egypt Date palm Genetic Resources and Utilization. Volume 1: Africa and the Americas. | Chapter | | + | | | 2015 | Springer, the Netherlands. Pp.75-123. |
| Bioreactor Steroid Production and Analysis of Date Palm Embryogenic Callus. Volume I: Date Palm Biotechnology Protocols | Chapter | | + | | | 2017 | Springer, the Netherlands pp.309-318. |
| Map of cultivating date palms in Egypt | Brochure | + | | | | 2016 | Personal |
| Service head of date palm:1- Pruning | Brochure | + | | | | 2018 | FAO |
| Service head of date palm:2- pollination | Brochure | + | | | | 2018 | FAO |
| Service head of date palm:3- Curving | Brochure | + | | | | 2018 | FAO |
| Service head of date palm:4- Thinning | Brochure | + | | | | 2018 | FAO |
| Service head of date palm:5- Bagging | Brochure | + | | | | 2018 | FAO |
| Service head of date palm:6- Harvesting | Brochure | + | | | | 2018 | FAO |
| The Illustrated Guide to Cultivate and Serving Date Palm | Book | + | | | | 2018 | FAO |
| Atlas of date palm cultivated in Egypt | Book | | + | | | 2019 | FAO |

| | | | | | | | |
|---|--------------------|-----|---|-----|--|------|--|
| Mobile application in the name Almufid in agriculture | Mobile application | | + | | | 2020 | FAO |
| Service head of date palm:1- Pruning | Video | + | | | | 2020 | FAO (you tube) |
| Service head of date palm:2- pollination | Video | + | | | | 2020 | FAO (you tube) |
| Service head of date palm:3- Curving | Video | + | | | | 2020 | FAO (you tube) |
| Service head of date palm:4- Thinning | Video | + | | | | 2020 | FAO (you tube) |
| Service head of date palm:5- Bagging | Video | + | | | | 2020 | FAO (you tube) |
| Separation of date palm Offshoots | Video | + | | | | 2020 | FAO (you tube) |
| Cultivation of date palm | Video | + | | | | 2020 | FAO (you tube) |
| Genome Conformity of In Vitro Cultures of Date Palm. In The Date Palm Genome. | Chapter | | + | | | 2021 | Vol. 1 (pp. 77-100). Springer, Cham. |
| Date Palm Genetic Identification and Improvement Utilizing Molecular Markers and DNA Barcoding. | Chapter | --- | + | --- | | 2021 | Vol. 1 (pp. 101-134). Springer, Cham. |
| Good Agricultural Practices for Date Palms (Phoenix dactylifera L.). | Chapter | | + | | | 2022 | Handbook of Research on Principles and Practices for Orchards Management. Book Chapter. DOI: 10.4018/978-1-6684-2423-0., ISBN13: 9781668424230 . |
| In Vitro Production of Steroids | Chapter | | + | | | 2022 | Voi.11(pp.254-285) Springer Nature Singapore Pte Ltd. 2022 |

| | | | | | | | |
|---|-----------------------------|--|---|--|---|------|---|
| In Vitro Production of Quinones | Chapter | | + | | | 2022 | Voi.14(pp.254-285) Springer Nature Singapore Pte Ltd. 2022 |
| By-products of date palm | Handouts series In Sudan | | | | + | 2022 | FAO |
| Date palm propagation in Sudan | Handouts series In Sudan | | | | + | 2022 | FAO |
| Fertilization of date palm orchards | Handouts series In Sudan | | | | + | 2022 | FAO |
| Irrigation of date palm orchards | Handouts series In Sudan | | | | + | 2022 | FAO |
| Date Palm pruning and cleaning operations | Handouts series In Sudan | | | | + | 2022 | FAO |
| Abnormal physiological phenomena in date palm orchards in Sudan | Handouts series In Sudan | | | | + | 2022 | FAO |
| Thinning of date palm | Handouts series In Sudan | | | | + | 2022 | FAO |
| Food industries and products of date palm | Handouts series In Sudan | | | | + | 2022 | FAO |
| Date harvest | Handouts series In Sudan | | | | + | 2022 | FAO |
| Pollination and choose the stallions | Handouts series In Sudan | | | | + | 2022 | FAO |
| Cultivars of Sudanese dates | Handouts series In Sudan | | | | + | 2022 | FAO |
| Establishment of date palm orchards | Handouts series In Sudan | | | | + | 2022 | FAO |
| Mejhoul variety the Jewel of Date | Article in a book (English) | | + | | | 2022 | Khalifa International Award for Date Palm and Agricultural Innovation |

| | | | | | | | |
|-----------------------------------|----------------------------|--|---|--|--|------|---|
| Mejhoul variety the Jewel of Date | Article in a book (Arabic) | | + | | | 2022 | Khalifa International Award for Date Palm and Agricultural Innovation |
|-----------------------------------|----------------------------|--|---|--|--|------|---|

C. Extension Issues

- Up to 22 (twenty-two) extension issues published in the official agricultural magazine of the Ministry of Agriculture and Land Reclamation (MALR) and other related journals. The themes covers in the field of date palm production, post-harvest, tissue culture, IPM of date palm diseases and agricultural practice fore date palm.

Awards

| ر | Name | scope | Dates |
|---|--|------------------------------|-------|
| 1 | The best research of The Central Laboratory of Date Palm Research & Development. | Biotechnology | 2012 |
| 2 | The best research of The Central Laboratory of Date Palm Research & Development. | Horticulture | 2012 |
| 3 | The best research of The Central Laboratory of Date Palm Research & Development. | Food processing of date palm | 2012 |
| 4 | The best research of The Central Laboratory of Date Palm Research & Development. | Date Palm diseases | 2013 |
| 5 | The best research of international journal of science and agricultural research. | Biotechnology | 2014 |

Mission

| DATE | MISSION |
|-----------|---|
| 2015 | Participate in the development of agricultural strategy for sustainable development of the Agricultural Research Centre for 2015. |
| 2016-2017 | Representative of ministry of Agriculture and Land Reclamation at Egyptian DatePalm Development Committee. |
| 2016 | Participating in the preparation of strategy of date palm development in Egypt Cooperation between Ministry Of Agriculture, Ministry of Industry, Khalifa Award and FAO |
| 2017- | Committee member for establishment of a project farm to cultivate twenty million date palm - Fund by live Egypt and the company Jinan UAE. |
| 2017-2018 | Member of Scientific committee of Siwa's Festival date palm - Khalifa Award UAE. |
| 2017-2018 | Member (reviewer) competition committee of Siwa's Festival date palm - Khalifa Award UAE. |

A- Biotechnology of Date Palm

- 1- Mohamed, S.M., H.A.Bosila, **S.F.El-Shrabasy**, I.A.Ibrahim and Refay, K.A. **(2001)** Phytochemical screening of some *in vivo* and *in vitro* date palm tissues. Proceeding of The Second International Conference on Date Palms. AL-Ain, United Arab Emirates, March 25-27.
- 2- Mohamed, S.M., **S.F.El-sharabasy**, H.A.Bosila, I.A.Ibrahim and Refay, K.A. **(2001)** Micropropagation studies on Zaghleul and Sewi cultivars of date palm (*Phoenix dactylifera L*) 1- Callus initiation and formation Proceeding of The Second International Conference on Date Palms . AL-Ain, United Arab Emirates, March 29-27.
- 3- **EL-sharabasy,S.F**, H.A.Bosila, S.M.Mohamed, K.A.Refay and Ibrahim,I.A. **(2001)** Micropropagation studies on Zaghloul and Sewi cultivars of date palm (*Phoenix dactylifera L.*) 2- Shoot and root formation. Proceeding of The Second International Conference on Date Palms. AL-Ain, United Arab Emirates, March 25-27.
- 4- **EL-sharabasy, S.F.**, H.A.Bosila, I.A.Ibrahim, K.A.Refay and Mohamed, S.M. **(2001)** Micropropagation studies on Zaghloul and Sewi cultivars of date palm (*Phoenix dactylifera L.*) -3 Plantlet Acclimatization. Proceeding of The Second International Conference on Date Palms .AL-Ain, United Arab Emirates, March 25-27.
- 5- Bosila, H.A., **S.F. EL-Sharabasy**, S.M.Mohamed, I.A.Ibrahim and Refay, K.A. **(2001)** Production of some secondary products from Date Palm tissue cultures (Sewi cultivar) using some precursors.1- Callus stage. Proceeding of The Second International conference on Date Palms. AL-Ain, United Arab Emirates, March 25-27.
- 6- Bosila, H.A., S.M.Mohamed, **S.F. EL-Sharabasy**, I.A.Ibrahim and Refay, K.A. **(2001)** Production of some secondary products from Date Palm tissue cultures (Sewi cultivar) using some precursors. -2 Embryogenesis stage. Proceeding of The Second International Conference on Date Palms. AL-Ain, United Arab Emirates, March 25-2
- 7- Bosila, H.A and **El-sharabasy, S.F. (2003)** Effect of some precursors on the embryonic callus growth of date palm (*Phoenix dactylifera L.*) Sewi cv. And Biosynthes is in its secondary metabolites throughout tissue culture technique. International conference on Date Palm, King Saud University, College of Agric.. 16-19/9/2003.
- 8- **EL-Sharabasy, S.F. (2004)** Effects of some precursors on development of secondary products in tissues and media of embryogenic callus of date palm Sewi cv. .Arab J. Biotech., Vol., NO (1) 83- 90.
- 9- **EL-Sharabasy, S.F. (2004)** Effects of different precursors on characters and products tissues during embryogenesis stage from date palm (*Phoenix dactylifera L.*) Sewi cv. – Arab J .Biotech., Vol., NO (1) : 91 : 98 .

- 10-EL-Shiaty, O.H, **S.F. El-Sharabasy** and Abd El-Kareim, A.H. (2004) Effect of some amino acids and biotin on callus and proliferation of date palm (*Phoenix dactylifera L.*) Sewi cultivar. Arab J. Biotech, Vol., No (2) : 265- 272.
- 11-**EL-Sharabasy, S.F**; O.H. EL-Shiaty and Zaied, N.S.(2004) *In Vitro* callus initiation, formation and evaluation of some Date Palm (*Phoenix dacylifera L.*) cultivars. J.Agric. Sei. Mansoura Univ., 29(10): 5801 – 5812
- 12-**EL-Sharabasy, S.F. (2003)** The use of pollen grains as natural organic materials in micropropagation media of date palm (*Phoenix dactylifera L.*) Sewi cv. J-Agric. Sci. Mansoura Univ., 27(11): 7707- 7712.
- 13-**El sharabasy, S.F**; H.A.Bosila and O.Elsheaty (2005) Effect of some environmental factors on *in vitro* acclimatization of date palm (*Phoenix dactylifera L.*) Zaghloul cv. Egypt.J.Biotechnol. Vol. (105-113).
- 14-Bosila, H.A, **S.F.El-sharabasy** and O.El-Sheaty (2006) Effect of some osmotic substances on germplasm conservation embryonic callus of date palm (*Phoenix dactylifera L.*) Zaghloul cv. Egypt. J.Biotedchnol. Vol.23.(5062) .
- 15-Abd-elkareim, A, H; M.F. Rashed and **S.E. Elsharabasy (2006)** Impact of using some fungicides and antibiotics on controlling microbial contamination during all stages of date palm tissue culture protocol. JAgric.Sci. Mansoura Univ., 31(5): 2805-2814.
- 16-**El-Sharabasy, S.F**; W.H.Wanas and A.Y. Al-Kerdany (2008) Date palm cultivars *in vitro* Screening to drought tolerance using isozymes. Arab.J.Biotiech.Vol..No (2)263-272.
- 17-**El-Sharabasy, S.F**; W.H. Wanas and A.Y. Al-Kerdany (2008) Effect of salinity stress on some date palm cultivars during proliferation stage *in vitro*. Arab-J. Biotech. Vol. No (273-280).
- 18-Wanas, W.H; **S.F.El-sharabasy** and A.Y. Al-Kerdany. (2008) Effect of PEG concentrations on embryo formation and plantlet growth for some date palm *in vitro*. 1- Lower PEG concentration. Egypt.J.Biotechnol. Vol., 14-26.
- 19-Wanas,W.H; **S.F.El-sharabasy** and A.Y. Al-Kerdany (2008) Effect of PEG concentrations on embryo formation and plantlet growth for some date palm *in vitro*, 2-Higher PEG concentrations. Egypt.J.Biotechnol. Vol. 28, 41-57.
- 20-Wanas, W.H.; **El-sharabasy, S.F.** and A.Y.Al-Kerdany (2008) Evaluation of some date palm cultivars for drought tolerance using tissue culture technique.J. Environ-Sci. Vol 11. No 2. 131-145.
- 21-**El-sharabasy; S.F,** D.M. Swelim and A.A. Ragab (2009) Effect of phytohormones produced by PGPF (Rhizobium) strains on *in vitro* propagation of date palm (*Phoenix dactylifera L.*)Zaghloul cultivar. Egypt. J.Agric. Res. 87(1), 267-276.

- 22-Bosila, H.A and **S.F El-sharabasy (2009)** Effect of Auxins and growing stages on *in vitro* acclimatization of date palm (*Phoenix dactylifera L.*)Zaghloul cv. Egypt. J. Agric. Res, 87(1) 259-266.
- 23-Wanas, W.H.; **El-sharabasy, S.F.** and A.Y.AI-Kerdany **(2009)** Evaluation of some date palm cultivars for drought tolerance using tissue culture technique. J.Environ-Sci. Vol. No 13, 131 - 145.
- 24- Mansour, B.M, H.A. Bosila, A.A. ELBanna , **S.F. El-Sharabasy** and Abdel-Aal.W.B **(2011)** Using some amino acids as a precursor of secondary metabolites production of date palm callus. J.Bio.chem Environ Sci,6(3):18-27.
- 25-El Dawayati, M.M; Z.E .Zaid and **S.F El sharabasy (2012)** Effect of conservation on steroids contents of callus explants of date palm cv. Sakkoti. Australian Jornal of Basic and Applied sciences, 6(s): 302-310.
- 26-**EL-Sharabasy, S.F;** M.A. Farag, G.A. E. EL-Emery, G. Safwat and A. Diab **(2012)** Effect of amino acids on the growth and production of steroids in date palm using tissue culture technique. Resercher,4(1):75-84.
- 27-Maged Hammad , , **El- sharabasy, S.F** , Gehan Safwat , Osama Hassan. **(2013)** Uaing Some Microelements to improve shoot and root induction of date palm (*Phoenix dactylifera L.*) CV.sukarri. J-Biol chem..Emvirom.sci.8(3).
- 28-**El- sharabasy, S.F,**Abd El-Moneam El-Banna , Saleh Khede Zardah and Nashwa Hamido **(2014)**The effect of natural antioxidant(s) on date palm (*Phoenix dactylifera L.*) *in vitro*. African Journal of BiotechnologyDecember 2014.
- 29-Edriss, M.H; Elghayaty, S.H.; Abdrabboh, G.A.; **Elsharabasy, S.F.** and G. E. Abd-kareiam. **(2016)** Protocol for direct shoot regeneration from shoot tips cultures of date palm (*Phoenix dactylifera L.*) cv. Hayani. World Rural Observ2016;8(2):19-24]. ISSN: 1944-6543 (Print); ISSN: 1944-6551 (Online).
- 30-Shereen M. Hosny, Gehan Hammad, **El Sharbasy, Sherif.F** and Zeinab Zayed **(2016)**:Effect of Coconut Milk, Casein HydrolysateandYeast Extract on the Proliferation of *in vitro* Barhi Date Palm (*Phoenix dactylifera L.*).Journal of Horticultural Science & Ornamental Plants 8 (1): 46-54.
- 31-**El sharabasy, Sherif F.** ; Waleed B. Abdel-Aal ; Hussein A .Bosila; Abdel-Monem A. Bana; and Bayome M. Mansour (**2016**) “Effect of Murashige and Skoog salts strength medium (MS) on embryogenic callus induction, total indoles and total phenols content of date palm (Sakkoty and Bartamuda cultivar) *in vitro*” . The First Egyptian Conference of Plant Biotechnology ,National Research Center (NRC) during 26-27 December 2016, Cairo, Egypt.
- 32-Hussein A .Bosila, **Sherif F. El sharabasy**, Abdel-Aal W. B., Bayome M. Mansour and Abdel-Monem A. Bana **(2016)**. “Effect of Murashige and Skoogsalts strength medium (MS)on steroids production and total amino acids content of date palm embryonic callus (Sakkoty and Bartamuda cultivar) *in vitro*”. The First Egyptian

Conference of Plant Biotechnology ,National Research Center (NRC) during 26-27 December 2016, Cairo, Egypt.

- 33-Sherif F. El sharabasy** Abdel-Aal W. B., Hussein A .Bosila; Abdel-Monem A. Bana and Bayome M. Mansour **(2016)**. "Effect of microelements on embryogenic callus of some date palm cultivars (Sakkoty and Bartamuda) *in vitro*". The First Egyptian Conference of Plant Biotechnology ,National Research Center (NRC) during 26-27 December 2016, Cairo, Egypt.
- 34-Abdel-Aal W. B., Sherif F. El sharabasy**; Hussein A .Bosila; Bayome M. Mansour and Abdel-Monem A. Bana **(2016)**. "Effect of some micro-elements on steroids production in embryogenic callus of *in vitro* date palm (Sakkoty and Bartamuda cultivar)". The First Egyptian Conference of Plant Biotechnology ,National Research Center (NRC) during 26-27 December 2016, Cairo, Egypt.
- 35-Sherif F. El-Sharabasy** and Zeinab E. Zayed (**2016**) Silver Nanoparticles (SN), antibiotics and fungicide to control microbial activity during establishment of date palm explants *in vitro*. Sci. Agri. 21 (2): 65-63. DOI 10. 15192 PSCP.AS.2018.21.2.7563.
- 36-El-Sharabasy. S.F.**, H.S. Ghazzawy and M. Munir **(2017)** *In vitro* application of silver nanoparticles as explant disinfectant for date palm cultivar Barhee. Journal of Applied Horticulture, 19(2): 106-112.
- 37-Abdelaal.W.B.M.R.A.Nesiem, S.F. Elsharabasy** and E.M.Abdelmoaty **(2018)** Induction of Direct Somatic Embryos by Using Combination of Auxins,Cytokinins and ABA From Shoot Tip Explants In Date Palm Siwy Cultivar.J.Biol.Chem.Envirn.Sci.,Vol.13 (14):203-213.
- 38-Abdelaal.W.B.M.R.A.Nesiem, S.F. Elsharabasy** and E.M.Abdelmoaty **(2018)** Induction of Somatic Embryogenesis by Using Immature Inflorescence of Date Palm cv.Zaghloul. J.Biol.Chem.Envirn.Sci. Vol.13 (4):2015-225.
- 39-El sharabasy Sherif F.**, Abdel-Aal W. B., Hussein A. Bosila, Bayome M. Mansour and Abdel-Monem A. Bana **(2019)**: Effect of some Micro-Elements on Steroids Production from Embryogenic Callus of *in vitro* Date Palm Sakkoty and Bartamuda Cultivars, Materials Research Proceedings 11 (2019) 213-218.
- 40-H.S. Ghazzawy, S.F. El-Sharabasy (2019)**: Effect of Natural Additives as Coconut Milk on the Shooting and Rooting Media of *in vitro* Barhi Date Palm (*Phoenix dactylifera* L.), Materials Research Proceedings 11 (2019) 186-192.
- 41-El sharabasy Sherif. F**, Abdel-Aal W. B., Hussein A. Bosila, Bayome M. Mansour and Abdel-Monem A. Bana **(2019)**: Steroids Production of Embryogenic Callus Cultures of Date Palm under the Effect of Vitamins (Pyridoxine Hydrochloride, Nicotinic acid) Thiamine Hydrochloride and Myo- Insitol, Materials Research Proceedings 11 (2019) 219-228.
- 42-Hussein A.Bosila, Sherif F. El sharabasy**, Abdel-Aal W. B., Bayome M. Mansour and 1Abdel-Monem A. Bana **(2019)**: Effect of Murashige and Skoog Salts Strength

Medium (MS) on Steroids Production and Total Amino Acids Content of Date Palm Embryonic Callus (Sakkoty and Bartamuda cultivar), Materials Research Proceedings 11 (2019) 229-234.

- 43-El sharabasy Sherif. F.** , Abdel-Aal W. B., Hussein A.Bosila, Abdel-Monem A. Bana and Bayome M. Mansour **(2019)**: The Effect of Some Micro-Elements on Free Amino Acids, Indols and total Phenols Production from Embryogenic Callus of Tow Date Palm Cultivars (Sakkoty and Bartamuda), Materials Research Proceedings 11 (2019) 235-243.
- 44-El sharabasy Sherif. F.**, Hussein A. Bosila, Abdel-Aal W. B., Bayome M. Mansour and Abdel-Monem A. Bana **(2019)**: Effect of Vitamins (pyridoxine and nicotinic acid), Thiamine-Hcl and Myo-Inositol at Different Concentrations on Free Amino Acids and Indoles Content of Embryogenic Callus of *in vitro* Date Palm (Sakkoty and Bartamuda Cultivar), Materials Research Proceedings 11 (2019) 244-252.
- 45--Zayed, Z.E., El Dawayati, M.M. and El Sharabasy, S.F., (2019).** Total steroids production from date palm callus under heavy metals stress. Biosci Res, 16(2), pp.1448-1457.
- 46--El-Dawayati, M.M., El-Sharabasy, S.F and Gantait, S., (2020)** Light Intensity-Induced Morphogenetic Response and Enhanced b-Sitosterol Accumulation in Date Palm (*Phoenix dactylifera* L. cv. Hayani) Callus Culture. Sugar Tech 22(6):1122–1129.
- 47-El-Dawayati ,M.M., Zayed, Z.E.,Hesham S. Ghazzawy,S.H., El-Sharabasy,F.S.,(2022)** Date Palm Industrial Benefits and Secondary Metabolites Production by Biotechnology Approach. Key Engineering Materials Submitted: 2022-01-07 ISSN: 1662-9795, Vol. 925, pp 17-35,doi:10.4028/p-3b2q4s.© 2022 Trans Tech Publications Ltd, Switzerland.

B- Tissue Culture of different plants

- 48- Irini, B., S.F. El-Sharabasy, S.Gehan and A. Diab (2012)**Effect of natural materials in the development of shoot and root of Banana (*musa spp.*) using tissue culture technology. New York science Journal, s (1):122-138.
- 49-El sharabasy, S.F;** M.E. El-sharnouby and A.A.Zahran **(2012)** Effect of potassium and sucrose concentrations on the production of potato microtubers through tissue culture. The Egyptian society of nuclear sciences and Applications.
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