

CURRICULUM VITAE

Personal information:

Name : Nasser A. Al-Asgah

Present Academic Rank : Professor Of Ichthyology College Of Science, King Saud University, Riyadh, Saudi Arabia

Present address: Department of Zoology, College of Science , King Saud University , P.O.Box 2455.

Riyadh 11451,Saudi Arabia

Email: alasangah@Ksu.edu.sa

2\ Academic qualifications:

DATES	Degrees	Institution or Organization
1971	B.SC.	College of Science King Saud University
1977	PH.D.	St. Andrews University Scotland, U.K.

3\ Employment history:

Dates	Position title	Institution or Organization
1971-1977	Demonstrator	King Saud University
1977-1983	Assistant Prof	King Saud University
1983-1992	Assistant Prof	King Saud University
1992-Present	Professor	King Saud University

4\ Academic Experience:

-Formed and taught different courses covering off aspect of vertebrate to the students of B.Sc., M.Sc., Ph.D.

- Developed many courses and taught to students of B.Sc., M.Sc. and Ph.D. B.Sc.
- Supervision of Several Students Research Project and post graduate students in aspect of Ichthyology

5\ Courses I have thought and participation of several examination committee for M.SC. and Ph.D. students

A- B.Sc. courses

Course No.	Course name	College
101 Zoo	General zoology	Science
101 Bio	General Biology	Education
102 Zoo	General zoology	Agriculture
221 Zoo	Vertebrates	Science & Education
222 Zoo	Chordates	Science
321 Zoo	Comparative anatomy	Science
322 Zoo	Ichthyology	Science
343 ANPR	Fish production	Agriculture
463 Zoo	Lab. Tech	Science
366 zoo	Fisheries management	science
381 zoo	Aquaculture Economics	Science
425 Zoo	Economic fish and Crustaceans	science
499 Zoo	Research	Science

B- Higher degrees courses

Course No.	Course name	College
521 Zoo	Aquatic animals	Science
524 Zoo	Fish culture and management	Science
526 Zoo	Selected topics in Aquatic animals	Science
527 Zoo	Standard Environmental Specification of Aquatic Animals	Science
528 Zoo	Fishery Resources	Science
571 Zoo	Zoo animal ecology and pollution	Science
621 Zoo	Advanced aquatic fauna	Science
623 Zoo	Nutrients requirement and metabolism in fish	Science
673 Zoo	Terrestrial animal ecology	Science
600 Zoo	Research project	Science

6 \ supervision and examination of students research project:

I have supervised and examined research projects of students for award doctors masters of bachelors degrees some of them are listed below ..

- 1- Abdurrahman S.Al-Shaia M.Sc.(1421) Nutritional evaluation of some commercially important marine fishes in Saudi Arabia.
- 2- Abdulsalam A. Alkaldy M.Sc. (1426) Effect of feeding different levels of olive waste on the growth of Nile tilapia Oreochromis niloticus .
- 3- Amer A. Aldahi m.sc. (1420) Biological studies on hexagonal – spotted grouper fish Epinephelus aeroliths from the Arabian gulf.
- 4- Khalid A. Al- Ghanim M.Sc.(1421) Some Ecological studies and seasonal biological and biochemical change of Oreochromis niloticus in wadi Haneefah , stream , Riyadh , Saudi Arabia .
- 5- Khalid A. Al- Ghanim Ph.D. (1426) Ecology of Sail fin Molhy , Poecilia Latipinna stream , Riyadh, Saudi Arabia .
- 6- Abdullah E. Almoteri. MSc . (1436). Ecophysiological aspect and diversity of freshwater fishes in drainagae of Alhsa Saudi Arabia.
- 7- Refereed Several Research projects submitted to King Abdul Aziz City for Science and Technology for final reports of projects supported by king Abdul Aziz City for Science and technology .
- 8- Refereed Several Research Projects Submitted to King Abdul Aziz University for Adoption and Support.

Examination of Thesis:

- 1- Biological studies on grouper fish Zoology, College of Science, King Saud University, 1420 AH
- 2- Study of the chromosomal patterns of fish Freshwater Zoology, College of Science, King Saud University, 1420 AH
- 3- Environment of Sailfishes in the stream of Mabah Wadi Hanifa, Riyadh, Kingdom of Saudi Arabia. Zoology, College of Science, King Saud University, 1426 AH
- 4- Biodiversity of fish in the environment of coral reefs around the Arabian Gulf Island, Kingdom of Saudi Arabia. Zoology, College of Science, King Saud University 1430 AH
- 5- Biological study of freshwater fish Cyprinon Mahalensis in the Boa Valley - Taif, Saudi Arabia, Biodiversity Program, College of Science, King Saud University 1432 AH
- 6- The effect of crude oil on growth, brain, liver, muscle and blood indicators in Nile tilapia

College of Science, King Saud University 1434 AH

- 7- The effect of adding black seed seeds on tilapia feed, growth, performance and quality of its fats College of Agriculture and Food Sciences, King Faisal University, 1435 AH
- 8- Environmental, Physiological, and Freshwater Fish Diversity in Al-Ahsa Drains, Kingdom of Saudi Arabia, Biodiversity Program, College of Science, King Saud University, 1436 AH
- 9- Effect of dietary protein level and amino acid diversity on the growth of Nile tilapia. Zoology, College of Science, King Saud University, 1436 AH
- 10- Biological aspects and assessment of fish stocks of feeling fish in the Red Sea coast of Jeddah in the Kingdom of Saudi Arabia. Zoology, College of Science, King Saud University, 1438 AH

Conferences and Symposia attended

I have attended the following Conference and Symposia:

- 1- Second Symposium on The Biological Aspects of Saudi Arabia , held at the College of Science, King Abdulaziz, University , Jeddah, Jan. 4th-8th , 1978.
- 2- Third Symposium on the Biological Aspects of Saudi Arabia , held at the college of Agriculture and food Science , King Faisal University , Al- Hassa, Jan . 24th – 27th, 1979.
- 3- A Symposium on Marine Ecology and Fisheries Development held at Qatar University 1979.
- 4- 64th Annual Meeting, of the federation of American Societies for Experimental Biology , Anaheim, California, U.S.A. , April 13th – 18, 1980.
- 5- Fourth Symposium on the Biological Aspects of Saudi Arabia, held at the College of Science , KSU, Riyadh, March 10- 13th 1980.
- 6- Fifth Symposium in the biological Aspects of Saudi Arabia, held at the College of Education, KSU, Abha branch, April 13th-16th 1981.
- 7- The Second Arab Scientific Conference of Biological Science, held at the Faculty of Science, Fez, Kingdom of Morocco, March 17th-20th, 1982.
- 8- Sixth Symposium on the Biological Aspects Of Saudi Arabia, held at the College of Science, King Abdulaziz University, Jeddah, March 15th-17th, 1983.
- 9- Seventh Symposium on the Biological Aspects of Saudi Arabia, held at the College of Agriculture and Veterinary Medicine , KSU, Quassim Branch, March 20th-22nd , 1984.
- 10- Eighth Symposium on the Biological Aspects of Saudi Arabia, held at the College of Agriculture and Food Science, King Faisal University, Al- Hassa, March 12-14th, 1985.

- 11- First Symposium on the potential of Wildlife Conservation in Saudi Arabia Organized by the National Commission for Wildlife Conservation and Development (NCWCD) , Riyadh, February, 15th-18th, 1987.
- 12- Ninth Symposium on the Biological Aspects of Saudi Arabia, held at the Regional Agriculture & Water Research Center , Ministry of Agriculture and waters, Riyadh , March 24th-27th, 1986.
- 13- Fourteenth Symposium on the Biological Aspects of Saudi Arabia, held at the College of Sciences, King Abdul Aziz University, Jeddah, feb.16th-19th, 1993.
- 14- Sixteenth Symposium on the Biological of Saudi Arabia, held at the College of Science , King Saudi University,Riyadh,March 1995.
- 15- Twenty-first Symposium on the Biological Aspects of Saudi Arabia held at the College of Science, King Khalid University, Abha March,2003.
- 16- Twenty second Symposium on Biological King Saud University, Al-Gassim Dec., (2003).
- 17- 3rd Saudi Science Conference " New Horizons in Science and Their Applications "Held at the King Fahad Cultural Center-Riyadh organized by College of Science of King Saud University Riyadh. 10th-13th March,(2007).
- 18- International Conference on the Arabian Oryx in the Arabian Peninsula held at King Fahad Cultural- Riyadh 21st-23rd April, (2007)

Other Academic Experience:

During my academic carrier in King Saud University, I have been actively involved in scientific work like evaluation of many publication and contributed in organizing different publishing journals and Societien and worked in the following position .

- 1- Refereed Several Research Projects Submitted to King Abdul Aziz City for Science and Technology for Adoption and Support also Refereed Progress and Final Reports of Projects Supported by King Abdul Aziz City for Science and Technology.
- 2- Refereed Several Research projects Submitted to king Abdul Aziz University for Adoption and Support.
- 3- Refereed many Scientific papers in various zoological Aspects submitted for publication in international, foreign and local specialized Scientific journals.
- 4- Refereed several Scientific Publication for Universities Academic staff for promotion.

7\ Other Activation and membership of committees:

- 1- Chairman of the Department committee for Evaluation and Equity of curricula, 1948-present.
- 2- Chairman of Department safety committee 1983-2000.
- 3- Chairman of the Department committee for evaluation of applications of promotion of faculty members 1984-1994.
- 4- I have participated in several of the committees set up from time by the Department to look into and advise on Department, as well as university matters.
- 5- Member of the committee formed by college of science arranged for movement to the new university campus 1984.
- 6- Member of the college of science board 1980.
- 7- Academic Advisor for several zoology under-graduate students since 1977- present.
- 8- Member of committee of fish experts set up by the Saudi ministry of agriculture and water in 1980 to evaluate the reports compiled under commission for the ministry by the British white fish authority.
- 9- Designed model of fish farm for the silver jubilee celebration of king Saud university.1982.
- 10- I was selected as member of a commission of renewed scientists sit up by general presidency for girls education to layout the general plan and to formulate curricular leading for B.Sc. M.Sc. and Ph.D. in science and education for colleges of girls students, 1984.

Publications

- 1 - Al-Asgah, N.A. (1983): Studies on the head-kidney of the teleost. I. Distribution of adrenocortical chromaffin tissues in some fresh water fishes. Ind. J. Zool. 11(2).
- 2 - Bedawi, R.M. and **Al-Asgah, N.A.** (1983): Nutrient contents of offals from the marine fish *Scomberomorus commersoni*. Bull. Fac. Sci K.A.U., Jeddah 7: 61-69.
- 3 - Al-Khalifa, M.S.; Diab, F.M. and **Al-Asgah, N.A.** (1983). A check list of ticks (*Ixodoidea*) infesting local farm animals in Saudi Arabia. I. Al-Qassim Region. J. Coll Sci. Riyadh Univ. 14(2): 335-339.
- 4 - El-Taib, N.T.; **Al-Asgah, N.A.** and Jarrar, B.M. (1983): Morphology and histology of the alimentary canal of the Jerboa, *Jaculus jaculus* L. Ind. J. Zool. 11(2): 27-34.

- 5 - **Al-Asgah, N.A.** (1984): The effect of salinity on eggs and larvae of *Tilapia nilotica*. Arab Gulf J. Scient. Res. 2 (2): 673-681.
- 6 - **Al-Asgah, N.A.** and Bedawi, R.M. (1984): Preliminary investigations on the suitability of ground water for aquaculture in Saudi Arabia. Aquaculture 36: 387-390.
- 7- Al-Khalifa, M.S.; **Al-Asgah, N.A.** and Diab, F.M. (1984): Ticks (Acari: *Ixodoidea*) infesting common domestic animals in Al-Qassim Province, Saudi Arabia. J. Med. Entomol. 21(1): 114-115.
- 8 - **Al-Asgah, N.A.** (1984): The morphology and histology of alimentary tract of *Gara tibanica* Trewavas, (Teleostei: *Cyprinidae*). Arab Gulf J. Scient. Res. 2 (1):211-220.
- 9 - **Al-Asgah, N.A.** and Bedawi, R.M. (1984): Efficiency of two rations of feed for *Tilapia nilotica* fry used in Saudi Arabia. J. Biol Sci. Res. 15 (1) : 37-42.
- 10 - Hoogstraal, H.; Wassef, H. Y.; Diab, F.M.; **Al-Asgah, N.A.** and Al-Khalifa, M.S. (1984): Acarina of Saudi Arabia. *Ornithodoros (Alveonassus) laborensis* (Family *Argasidae*) in Saudi Arabia. Biological, Veterinary and Medical Implications. Fauna of Saudi Arabia 6: 165-169.
- 11- **Al-Asgah, N.A.** and Bedawi, R.M. (1984): Efficiency of local feeds for common carp (*Cyprinus carpio L.*) in Saudi Arabia. Aquaculture 40: 363-365.
- 12- **Al-Asgah, N.A.** (1985): Studies on the head-kidney of teleosts. II. Distribution of adrenocortical and chromaffin tissues in some marine fishes. Arab Gulf Scient. Res. 3 (1): 331-354.
- 13- Diab, F.M.; Hoogstraal, H.; Wassef, H. Y.; Al-Khalifa, M.S. and **Al-Asgah, N.A.** (1985): *Hyloma (Hylomina) arabica*: nymphal and larval identity and spiny-mouse hosts in Saudi Arabia (Acarina: *Ixodoidea*: *Ixodidae*). J. Parasit. 71 (5): 630-634.
- 14 - **Al-Asgah, N.A.**; Hussein, H.S.; Al-Khalifa, M.S. and Diab, F.M. (1985): *Hyloma schulzei* (the large camel tick): Distribution in Saudi Arabia. J. Med. Entomol. 22 (2): 230-231.
- 15 - Al-Khalifa, M.S.; **Al-Asgah, N.A.** and Diab, F.M. (1986): *Hyloma (Hylomina) arabica*, the Arabian goat and sheep tick: Distribution and abundance in Saudi Arabia. J. Med. Entomol. 23(2): 220-221.
- 16 -Taib, N. T.; **Al-Asgah, N.A.** and Jarrar, B.M. (1986): Histochemical observation on the gastrointestinal mucosa of fasting Jerbox, *Jaculus jaculus L.* (Dipodidae, Rodentia), Pakistan J. Zool. 18 (1): 111-119.
- 17 -**Al- Asgah, N .A.** (1986): Preliminary investigations on the feeding of *Cyprinon mhalensis* (Cyprinidae). J. Aqua. Trop. 1: 155-159.

- 18- Al-Khalifa, M.S.; Hussein, H.S.; **Al-Asgah, N.A.** and Diab, F.M. (1987): Ticks: (Acari: *Ixodidae*) infesting local domestic animals_in western and southern Saudi Arabia. Arab Gulf J. Scient. Res., B5 (2): 301-319.
- 19 -Diab, F.M.; Al-Khalifa, M.S.; Hussein, H.S. and **Al-Asgah, N.A.** (1987): Ticks: (Acari: *Ixodidae*) parasitizing indigenous livestock in northern and eastern Saudi Arabia. Arab Gulf J. Scient. Res., B5 (2): 273-286.
- 20 - **Al-Asgah, N.A.** (1988): Date palm seeds as food for carp (*Cyprinus carpio* L.) J. Coll. Sci. King Saud Univ. 19 (1): 59-64.
- 21 -**Al-Asgah, N.A.** and Bedawi, R.M. (1988): Some observation on water quality and aquatic fauna of the Gizan reservoir in Saudi Arabia. J. Coll. Agric., King Saud Univ.10 (2): 357-362.
- 22 - **Al-Asgah, N.A.** and Bedawi, R.M. (1988): Winter feeding of *Oreochromis niloticus* L. with local feeds in Saudi Arabia. Proc. Saudi Biol. Soc. 7: 361-368.
- 23 - **Al-Asgah, N.A.**; Whitehead, A.; Al-Ohaly, F.A.; Al-Samil, A. and Bedawi, R.M. (1986): The use of carp fish for improving the quality of circulating sewage water. Proc. Saudi Biol. Soc. 9:261-268.
- 24 -**Al-Asgah, N.A.** and Bedawi, R.M. (1988): Cidir (*Zizyphus spina christi*) fruit as a replacement for the bran-barley mixture in the carp diets. J. Aqua. Trop. 3:71- 75.
- 25 - Hussein, H.S.; Al-Khalifa, M.S.; Diab, F.M. and **Al-Asgah, N.A.** (1988): The distribution, host range and seasonal abundance of the Arabian sheep and goat tick, *Boophilus kohlsi* (Acari: Ixodidae).Arab Gulf J. Scient. Res. B6 (2): 275-287.
- 26 -**Al-Asgah, N.A.** (1989): Preliminary studies on the feeding of the fresh water fish *Garra tibania* Trewavas, (Cyprinidae). J. Biol Sci. Res. 20 (1): 151-158.
- 27 - **Al-Asgah, N.A.**; Adam, A.B. and Bedawi, R.M. (1989): A check list of Zooplankton species in Saudi Arabia. J. King Saud Univ. 1, science (1,2): 35-41.
- 28- **Al-Asgah, N.A.** (1990): Histological studies of the female genital system of *Haemaphysalis (Herpetobia) sulcata* (Acari: Ixodidae). Pakistan J. Zool. 22 (4): 353-359.
- 29 - **Al-Asgah, N.A.** (1990): Seasonal dynamics of *Rhipicephalus turanicus* (Acari: Ixodidae) on sheep and goats in the Al-Sarawat Mountains of Makkah Province, Saudi Arabia. Bull. Inst. Zool, Acad. Sin. 29 (2): 113-120.
- 30 -**Al-Asgah, N.A.**; Diab, F.M. and Al-Khalifa, M.S. (1990): *Haemaphysalis (Herpetobia) sulcata* (Canestrini & Fanzago, 1878) (Acari: Ixodidae): Distribution, hosts and seasonal changes in Saudi Arabia. Arab Gulf J. Scient. Res., 8 (1): 169-182.

- 31 - **Al-Asgah, N.A.**; Al-Khalifa, M.S. and Diab, F.M. (1990): Seasonal dynamics of *Hyalomma (Hyalomma) arabica* (Acari: Ixodidae) in the Al-Sarawat Mountains of Makkah Province, Saudi Arabia. J. Med. Entomol. 27 (4): 713-715.
- 32 - **Al-Asgah, N.A.**; Jarrar, B.M. and Taib, N. T. (1990): Structure and histochemistry of the sublingual salivary glands on the one humped camel (*Camelus dromedarius*). Revue Elev. Med. Vet. Pays trop., 43 (4): 519-527.
- 33 - **Al-Asgah, N.A.**; Taib, N. T. and Jarrar, B.M. (1990): Morphology, histology and histochemistry of the cephalic glands of Slevin's ground gecko, *Stenodactylus slevini* Hass 1957. Tropical Zool. 3: 209-217.
- 34 - Hussein, H.S.; **Al-Asgah, N.A.**; Al-Khalifa, M.S. and Diab, F.M. (1991): The blood parasites of indigenous livestock in Saudi Arabia. Arab Gulf J. Scient. Res. 9 (3): 143-160.
- 35 - **Al-Asgah, N.A.** (1991): Effect of feeding different protein and energy levels on the growth performance of *Barbus apoensis* (Cypriniformes, Cyprinidae). J.Aqua. Trop., 6: 217-222.
- 36- **Al-Asgah, N.A.** (1992): Biology of *Hyalomma schulzei* (Acari: Ixodidae) on rabbits under laboratory conditions. J. Med. Entomol. 29 (1): 19-24.
- 37 - **Al-Asgah, N.A.** (1992): Variation in the carcass composition of *Oreochromis niloticus* in relation to body weight and length. Pakistan J. Zool., 24 (1): 47-51.
- 38 - **Al-Asgah, N.A.** and Ali, A. (1994): Feeding of various carbohydrate sources on the growth performance and nutrient utilization in *Oreochromis niloticus*. Agribiol Res. 47 (1): 1-12.
- 39 - Al-Ogaily, S.M.; **Al-Asgah, N.A.** and Ali, A. (1994): Growth performance and body composition of *Oreochromis niloticus* fed different levels of maize grain. Pakistan Vet. J. 14 (4): 242-249.
- 40 - Al-Ogaily, S.M.; **Al-Asgah, N.A.** and Ali, A. (1996): Effect of feeding different grain sources on the growth performance and body composition of *Oreochromis niloticus*. Aquaculture Res. 27: 523-529.
- 41- **Al-Asgah, N.A.** and Ali, A. (1996): Effect of feeding different levels of wheat bran on the growth performance and body composition of *Oreochromis niloticus*. Agribiol. Res. 49: 193-202.
- 42- **Al-Asgah, N.A.** and Ali, A. (1997): Growth performance and body composition of *Oreochromis niloticus* reared at different water temperatures. Ann. Zootech. 46: 331-338.
- 43- **AL-Asgah, N.A.** and Ali, A. (1999): Feeding different levels of dried poultry excreta on the growth performance and body composition of *Oreochromis niloticus*. Pakistan Vet. J., 19 (1): 7-12.

- 44- Ali, A.; Al-Ogaily, S.M. and **AL-Asgah N.A.** (2000): Effect of dietary lipid source on the growth performance and body composition of *Oreochromis niloticus*. Pakistan Vet. J., 20 (2): 57-60.
- 45- Ali, A. and **AL-Asgah,N.A.** (2001) : Effect of feeding different carbohydrate to lipid ration on the growth performance and body composition of Nile Tilapia (*Oreochromis niloticus*) fingerlings. Anim. Res. 50 : 91-100.
- 46- Ali, A.; Al-Ogaily, S. M.; **AL-Asgah, N.A.**; and Gropp, J. (2003): Effect of sublethal concentrations of copper on the growth performance of *Oreochromis niloticus*. J. Appl. Ichthyol. 19 : 183-188.
- 47 -Ali, A.; **AL-Asgah, N.A.**; Al-Ogaily, S. M. and Ali, S. (2003): Effect of feeding different levels of alfalfa meal on the growth performance and body composition of Nile Tilapia (*Oreochromis niloticus*). Fingerlings. Asian Fisheries Science 16 : 59-67.
- 48- **AL-Asgah, N. A.** and Younis, E. M. (2006). Growth performance and body composition of Nile Tilapia (*Oreochromis niloticus*) reared at different water salinities. J. Egypt. Ger. Soc. Zool. 51 A : 583-590.
49. Al-Khalifa, M. S.; Diab, F. M.; **AL-Asgah, N. A.**; Hussein, H. S. and Khalil, G. M. (2006): Ticks (Acari : Argasidae) Recorded on Wild Animals in Saudi Arabia, Fauna of Arabia, 22: 225-231.
- 50- Diab, F. M.; Al-Khalifa, M. S.; **AL-Asgah, N. A.**; Hussein, H. S. and Khalil, G. M. (2006): Ticks (Acari : Argasidae, Ixodidae) Infesting Livestock in Saudi Arabia, Fauna of Arabia, 22 : 233-242.
- 51- Ali, A., S.M. Al-Ogaily, **N.A. AL-Asgah**, J.S. Goddard and S.I. Ahmed, (2008). Effect of feeding different protein to energy (P/E) ratios on the growth performance and body composition of *Oreochromis niloticus*. fingerlings. J. Appl. Ichthyol., 24: 31–37 .
- 52- **Nasser, A. AL-Asgah**, E.M. Younis, A.A. Abdel-Warith, A.A. EL-Khaldy, and Amanat, Ali. (2011). Effect of Feeding Olive Waste on Growth Performance and Muscle Composition of Nile Tilapia (*Oreochromis niloticus*). INTERNATIONAL JOURNAL OF AGRICULTURE & BIOLOGY, Vol. 13(2) 239–244.
- 53- Abdel-Warith, A. A., Younis, E. M., **AL-Asgah, N. A.**, and Wahbi, O. M. (2011). Effect of zinc toxicity on liver histology of Nile tilapia, *Oreochromis niloticus*. Scientific Research and Essays Vol. 6(17), pp. 3760-3769.
- 54- Younis, E. M.1, Abdel-Warith, A. A., Ali. A., **AL-Asgah, N. A.**, and El-Shayia, A.S. (2011). Chemical composition and mineral contents of six commercial fish species from the Arabian Gulf coast of Saudi Arabia. Journal of animal and veterinary advances. 10(23).

- 55- Younis, E. M.1, Abdel-Warith, A. A. and **Al-Asgah, N. A.** 2012. Hematological and enzymatic responses of Nile tilapia *Oreochromis niloticus* during short and long term sublethal exposure to zinc. African Journal of Biotechnology Vol. 11(19), pp. 4442-4446.
- 56- El-Sayed Mohamed Younis, Abdel-Wahab Abdel-Moez Abdel-Warith, **Nasser Abdulla Al-Asgah**, Hossam Ebaid and Mohamed Mubarak. 2013. Histological Changes in the Liver and Intestine of Nile Tilapia, *Oreochromis niloticus*, Exposed to Sublethal Concentrations of Cadmium. Pakistan J. Zool., vol. 45(3), pp. 833-841, 2013.
- 57- Abdel-Wahab Abdel-moez Abdel-Warith, Elsayed Mohammad Younis, **Al-Asgah, Nasser Abdulla**. 2013. Influence of Dietary Inclusion of Full-Fat Soybean Meal and Amino Acids Supplementation on Growth and Digestive Enzymes Activity of Nile Tilapia, *Oreochromis niloticus*. Turkish Journal of Fisheries and Aquatic Sciences 13: 69-77.
- 58- Abdel-Warith, A. A., E. M. Younis, **N. A. Al-Asgah**, and H. Y. Allam (2014). Maize gluten meal as a protein source in diets for African catfish *Clarias gariepinus*, including effects on liver glycogen and histology. Indian Journal of Fisheries, 61(3): 74-82.
- 59- YOUNIS Elsayed, ABDEL-WARITH Abdel-Wahab, **AL-ASGAH Nasser**, EBAID. Hossam. (2015). Histopathological alterations in liver and intestine of Nile tilapia *Oreochromis niloticus* exposed to long-term sublethal concentrations of cadmium chloride. Chinese Journal of Oceanology and Limnology, 33 (4):846-852. (ISI)
- 60- **Al-Asgah Nasser A.**, Abdel-Wahab A. Abdel-Warith, El-Sayed M. Younis, and Hassan Y. Allam (2015). Haematological and biochemical parameters and tissue accumulations of cadmium in *Oreochromis niloticus* subjected to long term exposure to various concentrations of cadmium chloride. Saudi Journal of Biological Sciences, 22, 543–550 (ISI).
- 61- Elsayed M. Younis, Nasser A. Al-Asgah, **Abdel-Wahab A. Abdel-Warith**, Abdullah A. Al-Mutairi (2015). Seasonal variations in the body composition and bioaccumulation of heavy metals in Nile tilapia collected from drainage canals in Al-Ahsa, Saudi Arabia. Saudi Journal of Biological Sciences, 22, 443–447 (ISI).
- 62- Al-Asgah, Nasser A., El-Sayed M. Younis, Abdel-Wahab A. Abdel-Warith Faozi S. Shamlol (2016). Evaluation of red seaweed *Gracilaria arcuata* as dietary ingredient in African catfish, *Clarias gariepinus*. Saudi Journal of Biological Sciences, Saudi Journal of Biological Sciences, 23, 205-210. ISI
- 63- Abdel-Wahab A. Abdel-Warith, El-Sayed M. I. Younis, Nasser A. Al-Asgah, (2016). Potential use of green macroalgae *Ulva lactuca* as a feed supplement in diets on growth performance, feed utilization and body composition of the African catfish, *Clarias gariepinus*. Saudi Journal of Biological Sciences, Saudi Journal of Biological Sciences, 23, 404-409. ISI
- 64- El-Sayed M. Younis, Abdullah S. Al-Quffail, **Nasser A. Al-Asgah**, Abdel-Wahab A. Abdel-Warith, Yousef S. Al-Hafedh (2018). Effect of dietary fish meal replacement by red algae, *Gracilaria arcuata*, on growth performance and body composition of Nile tilapia

- Oreochromis niloticus*. **Saudi Journal of Biological Sciences**, Volume 25, Issue 2, February 2018, Pages 198-203.
- 65- **W. Abdel-Warith, N. Al-Asgah**, Y. El-Sayed, A. El-OTaby and S. Mahboob (2019). The effect of replacement of fish meal with Amino Acids and Optimized Protein Levels in the diet of the Nile Tilapia *Oreochromis niloticus* **Brazilian Journal of Biology**, Vol. 79, Issue 4. P 703-711.
 - 66- A. A. Abdel-Warith, E. M. Younis, **N. A. Al-Asgah** and S. Mahboob (2020). Effect of replacing fish meal by full fat soybean meal on growth performance, feed utilization and gastrointestinal enzymes in diets for African catfish *Clarias gariepinus*. **Brazilian Journal of Biology**, vol. 80, (3) pp.535-543
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