RANIA SAID MABROKE SAYED AHMED
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POSITION :

Associate professor, Fish nutrition lab (FNL) Animal Production Department, Faculty of Agriculture, Cairo University (2017)
-Lecturer, Fish nutrition lab (FNL) Animal Production Department, Faculty of Agriculture, Cairo University (2007)
-Lecturer Assistant, Animal Production Dept., Faculty of Agriculture, Cairo University (2002 - 2006).
-Demonstrator, at Animal Production Dept., Faculty of Agriculture, Cairo University (1997-2002)

EXPERIENCE:

Research: Work and study in fish nutrition field
Teaching: Teach many undergraduate an postgraduate courses Regarding fish nutrition and other courses regarding animal nutrition (fish nutrition– artificial diets for fish – principles of aquaculture - Feedstuffs and preparations - Energy metabolism Feed manufacture)

SKILLS:

-An Excellent Knowledge of the Microsoft Office Package " Word , Excel and Power point" and Internet.
- Good Knowledge of analytical chemistry.
-Working knowledge of statistical programmers Mstat and SPSS

EDUCATION:

Ph.D. Faculty of Agriculture, Cairo University , 2007
Thesis title: Effect of some feeding strategies on tilapia fish performance

M.Sc. Faculty of Agriculture, Cairo University , 2002
Thesis title: Influence of diet composition and feeding regime on Nile tilapia (***Oreochromis niloticus***) performance

B.Sc of (Poultry Production) Faculty of Agriculture, Cairo University , 1997

TRANING COURSES:

-Faculty and Leadership Development Project (FLDP), active presentation skills, Fac. of Agriculture, Cairo Univ., Giza, Egypt.
-Faculty and Leadership Development Project (FLDP), new educational techniques, Fac. of Agriculture, Cairo Univ., Giza, Egypt.

-Faculty and Leadership Development Project (FLDP), E-learning, Fac. of Agriculture, Cairo Univ., Giza, Egypt.
-"New developments and perspectives in aquaculture" course, 6-19th September 2010 Rostock, Germany.
-**"**Aquatic Ecosystem: Processes and Applications) course, offered by UNESCO institute of water education, 11-29 June 2012, Delft, Netherland.

-"Scientific mission in the area of molecular nutrition and nutrigenomics in Nutrogenomics laboratory within the Department of Health and Nutritional sciences at South Dakota State University February 15- Septemper 15 2016. The fellowship granted by higher ministry of education as a part of Cairo initiative program.

LANGUAGE SKILLS

Arabic: Mother language
English: good reading, speaking and writing

PUBLICATIONS:

Suloma, A., Tahoun, A.M. and **Mabrok, R.S.**(2018)Floc meal as potential substitute for soybean meal in tilapia diets under biofloc system conditions. Chinese Journal of Oceanology and Limnology.Chinese Journal of Oceanology and Limnology , DOI: 10.1007/s00343-019-7222-1

Osama M. El Husseiny ; Ashraf M. A.S. Goda; **Rania S. Mabroke** and Ali Matter (2018) Effect of lipid feeding regimes and conditioning periods on gonads fatty acid profile and reproductive performance of the Nile tilapia (*Oreochromis niloticus*) broodstock. Egyptian Journal of Aquatic Biology & Fisheries,Vol. 22(3): 25-3

Osama M. El Husseiny ; Ashraf M. A.S. Goda; **Rania S. Mabroke** and M. Soaudy (2018) .Complexity of carbon sources and the impact on biofloc integrity and quality in tilapia (*Oreochromis niloticus*) tanks,AACL Bioflux 11(3):846-855

El-Shafiey, M.H.M., **Mabroke, R.S**., Mola, H.R.A., Hassaan, M.S. and Suloma, A., (2018). Assessing the suitability of different carbon sources for Nile tilapia, (*Oreochromis niloticus*) culture in BFT system. *AACL Bioflux, 11*(3), pp.782-795.

Suloma, A., Tahoun, A.M. and **Mabrok, R.S.** (2017). Development of Brood-stock Diets for Nile tilapia Under Hapa-in-Pond Hatchery System; Optimal Dietary Vitamin C Level for the Optimum Reproductive Performance and Fry Survival. J Aquac Res Development S, 2, p.2. DOI: 10.4172/2155-9546.S2-010

O.M. El Hussieny; A.M. Abd-El Samee.; A.M.A.Ghonimy, and Rania S. Mabroke (2016).The Effect of Different Pre-Weaning Diets And Feeding Methods on Survival Rate of Elvers, Anguilla Anguilla .Egyptian J. Nutrition and Feeds, 19 (1): 139-146

EL-Husseiny O.M, Obayes A. I, **Mabroke R.S**, and Suloma A. (2015) A Mathematical Relationship between Dietary Fumaric Acid Level and the Fatty Acids Composition of Common Carp (Cyprinus Carpio L.). Research Journal of Pharmaceutical, Biological and Chemical Sciences. 6(4): 1938-1943.

Suloma, A., Mabroke, R.S., Tahoun, A.M., Zidan, A.E.N.F., El–Husseiny, O.M., El-Menofy, W.,El-Shafiey, M.H. and Mola, H.R., (2015). Investigation of the contribution of microbial biofloc to nitrogen removal under different environmental conditions using pcr-dgge technique. *한국수산과학회 양식분과 학술대회*, pp.657-657.

Suloma A, O.M. El-Husseiny M.I. Hassan, and Rania S. Mabroke (2014).Complementary responses between hydrolyzed feather meal., fish meal and soy bean meal without amino acid supplementation in Nile tilapia (*Oreochromis niloticus*) diets. **Aquaculture International**. 22:4, 1377-1390

O.M. El-Husseiny ; A. Suloma ; Rania S. Mabroke and L.M. Mazbin(2013). Influence of dietary high arginine levels on common carp performance : 1- growth and feed utilization performance. **Egyptian J. Nutrition and feeds** .16:2, 503-5013

Rania S. Mabroke, Azab M. Tahoun, Suloma A, Ehab. R. El-Haroun (2013) Evaluation of meat and bone meal and mono-sodium phosphate as supplemental dietary phosphorus sources for broodstock Nile tilapia (*Oreochromis niloticus*) under the conditions of hapa-in- pond system. **Turkish Journal of Fisheries and aquatic sciences**. 13: 11-18

Suloma A, Rania S. Mabroke and Ehab. R. El-Haroun (2013) Meat and bone meal as a potential source of phosphorus in plant-protein-based diets for Nile tilapia (*Oreochromis niloticus*). **Aquaculture International**.21:375–385

Rania S. Mabroke, Azab M. Tahoun, Ehab R. El-Haroun and Ashraf Suloma (2012) Influence of Dietary Protein on Growth, Reproduction, Seed Chemical Composition and Larval Survival Rate of Nile Tilapia (*Oreochromis niloticus*) Broodstocks of Different Size Groups under Hapa- in-Pond Hatchery System. **Journal of the Arabian Aquaculture Society.** 7(2) 203-220

El-Husseiny, O. M., Abdul-Aziz,G. M., and Rania S. Mabroke (2008) The Effect of Mixed Protein Schedules Combined With Choline and betaine on The growth Performance of Nile Tilapia. (*Orechromis niloticus*). **Aquaculture Research, 39: (291-300).**

El-Husseiny, O. M., Abdul-Aziz,G. M., and Rania S. Mabroke **(2007)** Effect of mixed protein schedules on Nile tilapia (*Oreochromis niloticus*), performance in combination with some feed additives. **Egypt. J. Aquat. Biol. & Fish., Vol. 11, No.2. :1-22 .**

El-Husseiny, O. M., Abdul-Aziz,G. M., Goda, A. M. and Rania S. Mabroke **(**2004) Influence of feeding time of day, feeding frequency and diet composition on Nile Tilapia (*Oreochromis niloticus*) performance. **Egypt. J. Aquat. Biol. & Fish.**, Vol. 8, No.1.:155-179.

SUPERVISION:

Candidate	**Thesis Title**	***Degree***
Mohamed Ramadan Mohamed Souady	Nile tilapia (*Oreochromis niloticus*) protein requirement and stocking density under biofloc system.	MS.c
Abdallah Mohamed Abdelghany Ghonimy	Influence of dietary protein sources on European Eel, *Anguilla anguilla* performance	MS.c
Loay Mohamed Mezpin	Role of amino acids in growth regulation and feed utilization in fish	MS.c
Ali Mohamed Ali	Effect of dietary lipid sources on Nile Tilapia (*Oreochromis niloticus*) performance	MS.c
Mohamed Ramadan Mohamed Souady	Effect of different carbon sources on biofloc composition and tilapia (*Oreochromis niloticus*) growth performance	Ph.D
Abdallah Mohamed Abdelghany Ghonimy	Effect of dietary manipulation of African catfish (*Clarias gariepinus*) on nutritional behavior	Ph.D
Alaa Ibrahim Obayes	Effect of dietary fumaric acid , Lipid level and their interaction on growth performance and body fatty acids profile of common carp	MS.c
Mohamed El- Shafiey	Effect of diet composition on Nile tilapia growth performance and microbial community structure in gut and rearing water	MS.c
Abd-El-Naeem Fathey	Improvement of the nutritional value of Nile tilapia using finisher diets	MS.c

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

-Egyptian Society of Animal Production (ESAP)
-The Egyptian Aquaculture Society, Cairo

GRANTS/ AWARDS:

Duration	Grantor	Type	Topic	Position	Amount
8/2015 8/2017	ASRT-EGYPT	Project Grant	Development of commercial scale zero-exchange inland saline aquaculture: intensive biofloc shrimp system as model	researcher	300000$
1/2014 1/2017	Science& Technology Development Fund in Egypt (STDF)	Project Grant	Development of a biofloc technology for high intensive and organic production of tilapia, mullet and freshwater shrimp under desert conditions.	Co-PI	210000$
9/2009 9/2011	Fats and proteins research foundation, inc. USA	Project Grant	Feather Meal and Meat and Bone Meal in Aquaculture Feeds and Production Strategies for the Culture of Nile tilapia in Egypt	researcher	30000$

CONFERENCE:

Ashraf Suloma, Rania S Mabroke, Azab M. Tahoun, Abd El-Naem F.A Zidan and Mohamed H.M. El-Shafiey (2016) Effect of feed frequency on tilapia fingerlings under biofloc system. Asian-pacific aquaculture, April 26-29, 2016 Surabaya, Indonesia.

Ashraf suloma, Rania S Mabroke, Azab M. Tahoun, Abd El-Naem F.A Zidan, Osama M. El-Husseiny, Wael El-Menofy, Mohamed H.M. El-Shafiey and Hesham R.A. Mola (2015). Investigation of the contribution of microbial biofloc to nitrogen removal

under different environmental conditions using pcr-dgge technique. World Aquaculture 2015, Jeju, Korea, 26-30 May.

Ashraf Suloma, Abd El-Naem F.A Zidan, Rania S Mabroke. Tahoun A.M. (2015). Biofloc system from lab to field: more pros than cons. Middle East Aquaculture Forum (MEAF) - Dubai 5-6 April. United Arab Emirates.

Abd El-Naem F.A Zidan, Ashraf Suloma, Rania S Mabroke and Tahoun A. M. (2015). Effect of water temperature on biofloc formation. Middle East Aquaculture Forum (MEAF) - Dubai 5-6 April. United Arab Emirates.

Ashraf Suloma, Osama M. El-Husseiny, Loay Mezpin and Rania S. Mabroke (2014) Dietary L-arginine supplementation increases body weight, dihomo-gamma -linolenic and lipid-related genes expression in common carp fed with high-lipid diet. Aquaculture Europe 2014, Donostia-San Sebastián in Spain;14:17 October.

Ashraf Suloma , Abd El-Naem F.*A* Zidan , Rania S Mabroke and Azab M. Tahoun (2014). Biofloc system from lab to field: more pros than cons. Arabian quaculture Conference & Exposition. Faculty of Agriculture (Saba Basha) Alexandria University Alexandria EGYPT 6-8 MAY 2014.

Azab M. Tahoun , Ashraf Suloma , Rania S. Mabroke and Ehab El-Haroun (2013). Development of Broodstock Diets for Nile Tilapia under Hapa- In- Pond Hatchery System.2- Dietary Optimal Vitamin C Level of Nile Tilapia Broodstocks For The Optimal Reproductive Performance And Fry Survival. Arabian Aquaculture Conference & Exposition. Faculty of Agriculture (Saba Basha) Alexandria University Alexandria EGYPT 26-27 June 2013.

Suloma A, M. I. Hassane, Khaldon El-Shanti, Rania S. Mabroke, Ehab. R. El-Haroun (2012) Tilapia nutrition under biofloc system: new findings promise new insights towards more sustainable production. XV International Symposium on Fish Nutrition and Feeding Molde, Norway • 4-7 June 2012

Rania S. Mabroke, Azab M. Tahoun, Ehab. R. El-Haroun, Ashraf Suloma (2012) Development of broodstock diets for Nile tilapia under hapa- in- pond hatchery system.XV International Symposium on Fish Nutrition and Feeding Molde, Norway • 4-7 June 2012

Ehab. R. El-Haroun, Rania S. Mabroke, Mahamadou I. Hassane, Azab M. Tahoun, and Ashraf Suloma (2011).Phosphorus values in meat and bone meal compare to monosodium phosphate for Nile tilapia broodstock reared in a hapa-in-pond hatchery system. 9th Asian Fisheries and Aquaculture Forum (9AFAF). 21st – 25th April 2011, Shanghai, China.

Ehab R. El-Haroun, Ashraf Suloma, and Rania S. Mabroke (2011).Nutritional evaluation of rendered animal by-product as suitable alternative for fish meal and soybean meal in diets for the culture of Nile tilapia **O**reochromis niloticus in Egypt. 9th Asian Fisheries and Aquaculture Forum (9AFAF). 21st – 25th April 2011, Shanghai, China.

Ashraf Suloma., Rania S. Mabroke, Mahamadou I. Hassane and Ehab R. El-Haroun. (2010). Bioavailability of phosphorus in meat and bone meal for Nile tilapia *Oreochromis niloticus.* X international symposium on aquaculture nutritin. Monterrey, Nuevo León, México, November 8-10, 2010

WORKSHOPS

-"ASA-IM 11th Annual Regional soybean Conference ", 9-10 September -Cairo , Egypt.
-The first National Conference of the Nile River and pollution impact. 2-4 December 2008.Aswan, Egypt..
-Poultry protein meal research and outlook seminar- National renderers association- 18 December 2008- Cairo, Egypt.

REFERENCES: Available Upon Request.