CURRICULUM VITAE

Teaching Assistant; Eng. H. Metwally

(Feb 2013)

Personal Data:

Name: Hassan Mohammed El-Saeid Metwally Ibrahim

Nationality: Egyptian

Date of birth: 23/12/1952

Place of birth: Egypt

Marital status: Married with 4 children.

Qualifications: B.Sc. in Agricultural Sciences, Ain Shams University Egypt).

Specialization: Animal Production.

Graduation Year: June 1975.

Scientific and Research Interests: Animal Nutrition and Feed formulation & evaluation.

Employment: Teaching Assistant from 1979 – to date, in Department of Animal Production, College of Food and Agriculture Sciences, king Saud University, Saudi Arabia.

Current Address: Department of Animal Production, College of Food and Agriculture Sciences, King Saud University.

P. O. Box 2460 - **Riyadh** 11451, Saudi Arabia

Tel. +966-1-4676710 Fax: +966-1-4678474

Mobile: +966501566543

Location: Room No.: 1A 98-99

Email: metwally@ksu.edu.sa hmetwall2000@yahoo.com

Academy experiences:

♣ I am currently teaching the practical part of the following courses:

ANP 338: Ruminants Nutrition

ANP 459: Feed and Feed Formulation for Poultry and Ruminants

ANP 455: Computer Applications in Animal Production

ANPR 511: Advance Animal Nutrition

ANPR 519: Wild Animal Nutrition

♣ **I am help in supervising on student's research for the following courses:**

ANP 345 & 490: Research and Seminar

ANP 401 & 405: Field Training

ANP 463: Special Studies

♣ **I am teaching the following courses in the past years:**

ANP 312: Fundamental of Animal Nutrition

ANP 310: Nutrition of Livestock

ANP 201: Fundamental of Animal and Poultry Production

ANP 221: General Animal Physiology

ANPR 591: Animal Production experiments

♣ **Scientific and practical experiences:**

- Evaluation of feedstuffs and diets and feed formulation of various farm animals
- Conduct chemical analysis of feed and diets to know its nutrients and calories contents as well as determined its digestion and nutritive values
- Design, implementation and evaluation of research experiments and statistically analyzed, especially in the field of animal nutrition
- The use of computers through programs (the least cost feed formulation, SAS statistical software and various Microsoft offices) and search on the World Wide Web and in the development and modernization of the department web site.

I accomplished a lot of tasks and I still do now:

- Management and care the feeding of animals herds used in many researches in alamaria department farm
- Analysis of feeds and diets samples for the department animal and poultry researches, as well as for many of the corporation, universities and individuals in the Kingdom
- Operation and maintenance of food analysis equipments present in animal nutrition Lab of the department
- Assist graduate students in execution of their researches in the field of animal nutrition
- Assist in supervision on the research courses: Research and discussions, special studies and field training for students of the department
- Contribute with the Center for Community Service and Continuing Education through training courses in feed analysis
- Assist in monitor the department and college examinations
- Assistance in the preparation of the department annual and the academic accreditation reports
- Develop and modernize the department web site. The department have received first place of the Dean's Award for the third consecutive year, and as well as assist faculty members to update their web sites
- Attendance many meetings and symposiums in the field of animal production in Riyadh

Projects, studies and researches participated or helped in its execution:

- Scientific study on water consumption in specialized dairy projects in the Kingdom (funded by Almarai Co.)
- Project introduce Booroola *FecB* Gene in Najdi sheep and its impact on the productivity of ewes and lambs performance in the Kingdom (funded by the Center of Excellence in Biotechnology Research)
- Project using a halophyte Salicornia bigelovii Torr in sheep feeding and its impact on growth, digestion and carcass traits (funded by Behar Co.)
- Project using advanced anaerobic fermentation technology to convert plant residues to silage (funded by the King Saud University, Deanship of Scientific Research)
- Project genotyping and improving productivity of Najdi sheep in the Kingdom of Saudi Arabia (funded by the King Abdul Aziz City for Science and Technology)
- Search study the use of broiler offal meal in high concentrate and high roughage diets on efficiency of energy utilization by growing lambs
- Search study use bowels poultry powder in diets high and low energy and its impact on production efficiency and take advantage of the power of lambs
- Search study the effect of supplemental chromium Level in high energy diets on production traits, some blood biochemical parameters and immune response in sheep
- Search study the effect of roughage sources in high concentrate diets on growth and digestion efficiency of sheep
- Search study the effect of different discarded dates levels on productivity traits and digestion efficiency of Najdi lambs
- Search improving the digestion and nutritional value of straw by urea treatment and uses its in feeding sheep
- Assistance for a period with the team work concerning with the the initiative of the Custodian of the Two Holy Mosques for outside agricultural investment

Prepared Notes:

- Prepare a note on "practical lessons and methods of chemical analysis of the feed" for students of Department of Animal Production. Saeid Basmaeil and **Hassan Metwally** (1983), King Saud University Press
- Prepare a note on "methods of food and feed chemical analysis" for a training session in the nutritional analysis of feed by King Saud University Center for Community Service and Community Service Center & Continuing Education. Saeid Basmaeil and **Hassan Metwally** (1985), 68 pages, Community Service Center Press

Participate in research projects currently in progress:

1. Study the effect of different types of food restriction regimen on performance and carcass characteristics and on bone growth of Najdi lambs (a research project funded by the King Abdul Aziz City for Science and Technology)
2. Study of performance and carcass characteristics of lambs Naemi males fed on different combinations of Wafi complete feed (a research project funded by the ARASCO company)
3. Study to benefit from gene of increase the number of twins in the genetic improvement of the Naemi local breed sheep (a research project funded by the National Plan for Science, Technology and Innovation).
4. Study the impact of adding flaxseed in Najdi lambs diets on efficient digestion and growth (a research project funded by the King Abdul Aziz City for Science and Technology)

Research projects have been approved and participant in it:

1. Study increase the use of rapidly degradable protein sources in the rumen of ruminant animals using acacia (a research project funded by the National Plan for Science, Technology and Innovation)
2. Study of the use of dried distilled grains and liquids feed as unconventional feed for fattening broiler chickens, camels and sheep (a research project funded by the National Plan for Science, Technology and Innovation)
3. Study the effect of feeding Microbes on the performance of Najdi lambs (a research project funded by the grant applied program, King Abdul Aziz City for Science and Technology)

Scientific Publication:

List of published papers in refereed scientific journals (**ISI**) during the **last year 2013**:

1. A.N. Al-Owaimer, G.M. Suliman, A.M. El-Waziry, **H. Metwally** and M.A. Abouheif. (**2013**). Allometric Growth Patterns of Body and Carcass Components in Aradi Goat. International Journal of Animal and Veterinary Advances 5(5): 183-189.

2. M. A. Abouheif, A. N. Al-Owaimer, M. S. Kraidees, **H. Metwally**, and T. M. Shafey. (**2013**). Effect of Restricted Feeding and Realimentation on Feed Performance and Carcass Characteristics in growing Lambs. R. Bras. Zootec. 42: 95-101.

3. A.M. El-Waziry, F. AlKoaik, A. I. Khalil, **H. Metwally** and M. A. Al-Mahasneh (**2013**). Evaluation of Tomato and Cucumber Wastes as Alternative Feeds for Ruminants Using Gas Production Technique, In Vitro. Asian Journal of Animal and Veterinary Advances. 8(6): 821-826.

4. A.M. El-Waziry, F. AlKoaik, A. I. Khalil, **H. Metwally** and M. A. Al-Mahasneh (**2013**). Estimation of degradability kinetics, energy and organic matter digestibility of Date Palm (*Phoenix dactylifera L.*) Leaves Silage by *In Vitro* Gas Production Technique. Asian Journal of Animal and Veterinary Advances. 8(6): 814-820.

List of other published papers in refereed scientific journals:

5. A.M. El-Waziry, A.N. Al-Owaimer, S. Basmaeil, **H. Metwally** and G.M. Suliman. (2012). Carcass Characteristics and Meat Quality in Four Saudi Camel Breeds. Journal of Animal and Veterinary Advances, 11 (17): 3100-3104. ***(ISI)***

6. Kraidees, M. , I. Al-Haidary, S. Al-Mufarej, M. Al-Sayadi, **H. Metwally** and M. Faris (2009). Effect of supplemental chromium level on performance, digestibility and carcass characteristics of transport-stressed Najdi lambs. *Asian –Aust. J. Anim. Sci. Vol. 22, No. 8: 1124 - 1132.* ***(ISI)***

7. Mufarrej, S. I., I. A. Al-Haidary, M. F. Al-Kraidees, M. F. Hussein and **H. Metwally** (2008). Effect of Chromium Dietary Supplementation on the Immune Response and Some Blood Biochemical Parameters of Transport-Stressed Lambs. *Asian –Aust. J. Anim. Sci .Vol. 21, No. 5 : 671-676.* ***(ISI)***

8. Abouheif., M. A., M.. Al-Saiady, M. Kraidees, A. Tag-Eldin, **H. Metwally** (2000). Influence of Inclusion of Salicornia Biomass in diets for Rams on Digestion and Mineral Balance. *Asian – Aust. J. Anim. Sci .Vol. 13 No. 7: 967-973.* ***(ISI)***

9. Tag Eldin, A. E., Al-Saiady M. Y., Kraidees M. S., **Metwally H.**, and Abouheif M. A. (1999). Salicornia bigelovii Torr meal as a feed ingredient for feeding ruminants. *Egyptian J. Nutrition and Feeds 2 (Special issue): 189-198.*

10. Kraidees, M. S., Abouheif M. A., Al-Saiady M. Y., Tag Eldin, A. and **Metwally H.** (1998). The effect of dietary inclusion of halophyte Salicornia bigelovii Torr on growth performance and carcass characteristics of lambs. *Anim. Feed Sci. and Technol 76: 149-159.* ***(ISI)***

11. Abouheif , M. A., S. Basmaeil, **H. Metwally** and S. Masoud (1985). Chemical preparation of NaOH-Keratin hydrolysate for improving the nutritive value of wheat straw. *Anim. Feed. Sci. Technol., 13: 215- 225.* ***(ISI)***

Research published in symposiums and scientific conferences:

1. A.M. El-Waziry, A.N. Al-Owaimer, S. Basmaeil, **H. Metwally** and G.M. Suliman. (2013). A Comparative Study on Camel Breeds for Carcass Characteristics and Meat Quality. International Conference of Sustainability of Camel Population and Production, College of Agricultural and Food Sciences, King Faisal Univ., Saudi Arabia, 7-20 Feb., 2013, Pp. 105.

2. Al-Haidry, I., M. Kraidees, M. Saiady, M. A. Abouheif and **H. Metwally**. (2002). Effect of supplemental chromium level on production characteristics of stressed lambs. Ist. Ann. Saudi Agric. Soc., Riyadh, 22-24 November, 2002, Pp. 82.

3. Abouheif, M. A., M. Y. Al-Saiady, M. S. Kraidees, A. Tag Eldin and **H. Metwally**. (1998). The effect of inclusion of Salicornia biomass in complete diet on the digestion and absorption of organic and electrolytes in lambs. Saudi Symp. Halophyte Plant., KACST, Riyadh, April 20- 22 (1998): 56.

4. Kraidees, M. S., M. A. Abouheif, M. Y. Al-Saiady, A. Tag Eldin and **H. Metwally**. (1998) The effect of dietary inclusion of halophyte Salicornia bigelovii Torr. on feeding performance and carcass characteristics of lambs. Saudi Symp. Halophyte Plant., KACST, Riyadh, April 20- 22 (1998): 46.

5. Kraidees, M. S., M. Y. Al-Saiady, M. A. Abouheif, A. Tag-Eldin, **H. Metwally** and S. Al-Dabeeb. (1996). Effects of different energy and poultry offal meal levels in diets fed to sheep on digestibility, rumen fermentation and growth performance. Amer. J. Anim. Sci., 74 (suppl. 1): 267.

6. Abouheif, M. A., S. Basmaeil, **H. Metwally** and S. Masoud (1984). Improving nutritive value of wheat straw with keratin hydrolysate treatment. I. Evaluation of keratin hydrolysate effect on in vitro dry matter digestibility. Amer. J. Anim. Sci., 59 (suppl. 1): 307.

List of Publications in Refereed Sci. J. (participated in the execution, mentioned thanks me)

1. Kraidees, M. S. (2008). The nutritional importance of chromium for human and animal and its role in stress resistance of livestock. Review Article, in Arabic. J. Saudi Soc. For Agric. Sci. vol. 7, No. 1:67-107. Saudi Arabia.

2. Kraidees, M. S. (2005). Influence of Urea Treatment and Soybean Meal (urease) Addition on the Utilization of Wheat Straw by Sheep. Asian – Aust. J. Anim. Sci .Vol. 18 No. 7: 957-965.

3. Kraidees M. S. (1997). Effects of temperature, addition of soybean meal and treatment period on the nutritive value of urea treated wheat straw. J. King Saud Univ., Vol. 9, Agric. Sci. (1): 73 - 86.

4. Basmaeil, S. (1994). Effect of voluntary intake of Alfalfa or Rhodes Grass hay alone or supplemented with whole or rolled Barley on digestibility and nitrogen utilization in sheep. J. King Saud Univ., (Agric. Sci.), 6(2): 239-252.