

Curriculum Vitae

Personal Information

Name: Jumah Mutie Shakhanbeh

Place and Date of Birth: Madaba/Jordan, ٢٠/١١/١٩٥٠

Nationality: Jordanian

Marital Status: Married

Rank/title: Professor

General Field: Animal Physiology

Field of Specialization: Neurobiology

Work Address: Mutah University, Faculty of Science, Department of Biology, P.O. Box ٧, Karak-JORDAN

Mobile: ٠٧٩٥-٥١٠٩٢٠

E-mail: jusha@mutah.edu.jo

Qualifications:

Degree	Institution	Country	Subject	Year
B.Sc.	University of Jordan	Jordan	Biology	١٩٧٣
M.Sc.	University of Jordan	Jordan	Biology	١٩٨٥
M.Sc.	University of London	Britain	Physiology	١٩٨٦
Ph.D.	University of London	Britain	Physiology	١٩٨٩

Professional Experience

١٩٧٤-١٩٨١: teacher of Biological Sciences, Ministry of Education, Jordan

١٩٨٩-١٩٩٣: Assistant Professor, Department of Biological Sciences, Mutah University, Jordan

١٩٩٤: Associate Professor

١٩٩٤-١٩٩٦: Chairman of Department of Biological Sciences, Mutah University, Jordan

١٩٩٦-١٩٩٨: (sabbatical), Associate Professor, Ministry of Education, Saudi Arabia

١٩٩٨-١٩٩٩: Chairman of Department of Biological Sciences, Mutah University, Jordan

٢٠٠٠: Professor

٢٠٠١-٢٠٠٥: Professor, Department of Biological Sciences, Mutah University, Jordan

٢٠٠٥-٢٠٠٦: Chairman of Department of Biological Sciences, Mutah University, Jordan

٢٠٠٦-٢٠٠٧: (sabbatical), Chairman of Department of Biological Sciences, Al- Al-bayt University, Jordan

٢٠٠٨-٢٠٠٩: Chairman of Department of Biological Sciences, Mutah University, Jordan

Courses taught

Course	Credit hours
General Biological Sciences ٣.٥١.١	٣
General Biological Sciences ٣.٥١.٢	٣
General Biological Sciences-practical ٣.٥١.٥	١
General Biological Sciences-practical ٣.٥١.٦	١
Animal Physiology ٣.٥٣١١	٣
Animal Physiology-practical ٣.٥٣١٣	١
Vertebrate Biology ٣.٥٢١٤	٣
Vertebrate Biology-practical ٣.٥٢١٦	١
Comparative Animal Physiology ٣.٥٤١٤	٣
Neurobiology ٣.٥٤١٦	٢
Neurobiology-practical ٣.٥٤١٦	١
Endocrinology ٣.٥٤١٢	٢
Endocrinology-practical ٣.٥٤١٢	١
Human Physiology (Nursing Students)	٣
Human Physiology practical (Nursing Students)	١
Comparative Anatomy ٣.٥٢١٦	٢
Comparative Anatomy-practical ٣.٥٢١٦	١
Animal Physiology "M.Sc. students" ٣.٥٥١.٠	٣
Cell Biology "M.Sc. students" ٣.٥٥٥.٠	٣
Endocrinology (M.Sc. students) ٣.٥٥١١	٣
Neurobiology (M.Sc. students) ٣.٥٥١٣	٣
Anatomy (Nursing students)	٣
Anatomy practical (Nursing students)	١

Scholarships

١. ١٩٧١-١٩٧٣ Scholarship from Jordan Government for undergraduate study (B.Sc.) in the University of Jordan
٢. ١٩٨١-١٩٨٥ Scholarship from Mutah University for graduate study (M.Sc.) in the University of Jordan
٣. ١٩٨٥-١٩٨٩ Scholarship from Mutah University for graduate study (Ph.D.) in the University of London
٤. June-September, ١٩٩١, Postdoctoral scholarship from Mutah University and the British Council for doing research in the Department of Physiology, University College London, England
٥. June-September, ١٩٩٢, Postdoctoral scholarship from Mutah University and the British Council for doing research in the Department of Physiology, University College London, England
٦. August-September, ١٩٩٣, Postdoctoral scholarship from Mutah University and the British Council for doing research in the Department of Physiology, University College London, England

Awards

١. First rank among M.Sc. students at the department of biology, university of Jordan, ١٩٨٤-١٩٨٥

Conferences

١. "Axon reflex flare in anesthetized rabbit skin". Physiological Society Meeting, ١٠-١١ Feb. ١٩٨٩, London, England.
٢. "The use of an infra-red Laser Doppler flow meter to measure changes in skin blood flow in man and anesthetized rat". Physiological Society Meeting, ٦-٧ April ١٩٨٩, London, England.
٣. "Failure of peineural application of capsaicin to affect the conduction of rabbit saphenous nerve". Jordanian Biological Meeting, ١٩٩٠, Amman, Jordan.
٤. "Inhibition of neuronal conduction by *Teucrium polium* in the rat sensory nerves". Zarqa University, May ١٩٩٨. Zarqa, Jordan.
٥. "Effect of *Teucrium polium* on nerve function, liver and blood of the rat". Jordan University for Science and Technology, May ١٩٩٩, Irbid, Jordan.
٦. "Ultrastructural changes in the liver and kidney of the rat after chronic administration of *Origanum syriacum* L. aqueous ethanolic extract"

Training Courses and Workshops Supervised

١. Advance training course in “Neurobiology” (theory and practical) for Physicians in Ministry of Health in South Jordan, May-July ١٩٩٤. Department of Biological Sciences, Mutah University.
٢. Training program for secondary school teachers of biology (theory and practical), ١-٢٠ Feb. ١٩٩٩. Department of Biology, Mutah University.

Committees inside the University

١. Member of tenders of laboratory equipments ١٩٩٠-١٩٩٦, ١٩٩٨t
٢. Member of faculty council ١٩٩٤-١٩٩٦, ١٩٩٨-١٩٩٩,
٣. Member of scientific research committee ١٩٩٥, ١٩٩٦, ٢٠٠١-٢٠٠٣, ٢٠٠٦
٤. Member of editorial board of Mutah Scientific Journal ١٩٩٦, ٢٠٠٢, ٢٠٠٥
٥. Member of supervising committee of the typical school ١٩٩٩
٦. Member of graduate council ١٩٩٩, ٢٠٠٢
٧. Head of scientific research committee of faculty of science ٢٠٠٢-٢٠٠٥
٨. Member of the research committee of the university ٢٠٠٥
٩. Member of the research committee of the university ٢٠٠٦

Committees outside the University

١. Member of Biodiversity project of Ministry of Municipalities and Ecology of Jordan supported by UNDP ١٩٩٤-١٩٩٦

M.Sc. Students supervised

- ٢ M.Sc. students supervised in the field of Animal Physiology, and more than ١٥ M.Sc. students as a co-adviser or as a member of committees

Publications

١. Lynn, B. and **Shakhanbeh, J.** (١٩٨٨) Substance P content of the skin, neurogenic inflammation and numbers of C-fibers following capsaicin application to a cutaneous nerve in the rabbit. *Neuroscience* ٢٤(٣): ٧٦٩-٧٧٥.
٢. Lynn, B. and **Shakhanbeh, J.** (١٩٨٨) Properties of A- δ high threshold mechanoreceptors in the rat hairy and glabrous skin and their response to heat. *Neuroscience Letters* ٨٥: ٧١-٧٦.
٣. Lynn, B. and **Shakhanbeh, J.** (١٩٨٨) Neurogenic inflammation in the skin of the rabbit. *Agents and Actions*. ٢٥: ٢٢٨-٢٣٠.
٤. **Shakhanbeh, J.** (١٩٩٢) Failure of perineural application of capsaicin to affect the conduction of rabbit saphenous nerve. *Dirasat - Jordan University Scientific Journal*. ١٩(٤): ١٩-٣٤.
٥. **Shakhanbeh, J.** (١٩٩٣) Response of high threshold mechanoreceptors in rat skin to noxious mechanical and heat stimuli. *Dirasat - Jordan University Scientific Journal* ٢٠(١): ٢١-٣١.
٦. **Shakhanbeh, J.** (١٩٩٣) Lack of morphine effect on the spontaneous discharge and mechanical response of unmyelinated A-fibers in inflamed rat skin. *Dirasat - Jordan University Scientific Journal*. ٢٠(٤): ٨٣-٩٣.
٧. **Shakhanbeh, J.** and Lynn, B. (١٩٩٣) Morphine inhibits antidromic vasodilatation without affecting the excitability of C-polymodal nociceptors in the skin of the rat. *Brain Research*. ٦٠٧: ٣١٤-٣١٨.
٨. **Shakhanbeh, J.** (١٩٩٤) Baseline of blood flow and antidromic vasodilatation in normal and inflamed rat skin. *Arab Gulf Journal of Scientific Research*. ١٢(٢): ٣٥١-٣٥٩.
٩. **Shakhanbeh, J.** (١٩٩٤) Effect of acute hypotension on mechanical response of rat C-polymodal nociceptors. *Arab Gulf Journal of Scientific Research*. ١٢(١): ١٥٧-١٧٠.
١٠. **Shakhanbeh, J.** (١٩٩٥) Axon reflex vasodilatation in rabbit skin induced by mild mechanical or heat injury. *Abhath Al-Yarmouk*. ٤(٢): ٦١-٧٤.
١١. **Shakhanbeh, J.** and Abo-Galyon, Y. (١٩٩٦) Effects of inflammation on plasma extravasation and mast cell response in normal and denervated rat skin. *Skin Pharmacology*. ٩: ٢٠٣-٢١٠.

١٢. **Shakhanbeh, J.** (١٩٩٦) Effect of local application of *Syzygium aromaticum* extract on the conduction of the rat saphenous nerve. *Turkish Journal of Medical Sciences*. ٢٦: ٣٨٩-٣٩٤.
١٣. **Shakhanbeh, J.** (١٩٩٨) Neonatal skin heat treatment inhibits nerve conduction without affecting plasma extravasation and heat response in the rat. *Dirasat-Jordan University Scientific Journal*. ٢٥(٣): ٥٠٠-٥٠٦.
١٤. Homady, M., Hussain, H., Tarawneh, K., **Shakhanbeh, J.** and Al-Rheil, I. (٢٠٠٠) Effects of oral application of some medicinal plant extracts used in Jordan on social aggression as well as preputial gland structures in male mice. *Pakistan Journal of Biological Sciences*. ٣(٣): ٣٩٨-٤٠٢.
١٥. **Shakhanbeh, J.** and Atrouse, O. (٢٠٠٠) Effects of chronic perineural treatment of aqueous extract of *Teucrium polium* on nerve conduction, neurogenic inflammation and skin blood flow. *Turkish Journal of Medical Sciences*. ٣٠: ١-٧.
١٦. **Shakhanbeh, J.** (٢٠٠٠) Failure of postnatal inflammation to affect the functional properties of sensory nerve fibers in the rat. *Dirasat-Jordan University Scientific Journal*. ٢٧(٢): ١٢٨-١٣٥.
١٧. Khleifat, K., Homady, M., Tarawneh, K. and **Shakhanbeh, J.** (٢٠٠١) Effect of *Ferula* *hormonis* extract on social aggression, fertility and some physiological parameters in prepubertal male mice. *Endocrine Journal*. ٤٨(٤): ٤٧٣-٤٨٢.
١٨. Khleifat, K., **Shakhanbeh, J.** and Tarawneh, K. (٢٠٠٢) The chronic effects of *Teucrium polium* on some blood parameters and histopathology of liver and kidney in the rat. *Turkish Journal of Biological Sciences*. ٢٦: ٦٥-٧١.
١٩. **Shakhanbeh, J.** and Khleifat, K. (٢٠٠٣) Failure of regeneration of sensory nerve fibers following neonatal denervation or crush lesion in the rat. *Turkish Journal of Biological Sciences*. ٢٧: ٢١٥-٢٢١.
٢٠. **Shakhanbeh, J.** (٢٠٠٨) Ultrastructural changes in the liver and kidney of the rat after chronic administration of *Origanum syriacum*. L. aqueous ethanolic extract. Sent for publication
٢١. **Shakhanbeh, J.** (٢٠٠٩) Effect of maternal pregnancy smoking on sensory nerve conduction in the rat. In preparation
- BOOKS:**
١. **Shakhanbeh, J.** (١٩٩٩, revised ٢٠٠٢) “**Basic Animal Physiology laboratory Manual**”. Mutah University.
٢. **Shakhanbeh, J.** (٢٠٠٩) “**Neurobiology**”. In Arabic Language.