

CURRICULUM VITAE

NAME : Tageldin Hussein Nasroun

TITLE : Research Professor

Place and Date of Birth : Sudan - 1941 .

Religion : Moslem .

Social Status : Married with 7 children .

Qualifications

Ph . D . in forestry and forest products (Wood Technology) - Virginia State University - U.S.A. 1978 .

Juilf' s Fellowship , from Virginia State University - 1975 .

DIC - Diploma of Imperial College – equivalent to M. Sc - London University - 1971 .

B .Sc . Forestry - Edinburgh University - U .K . -1967 .

Administrative Assignments :

_ Director ,Forestry Research Center , Sudan - 1985 - 1988 .

_Head of Wood Technology Section , Forestry Research Center , Sudan
_1971 - 1985 .

- Conservator of forests , Kordofan Region , Sudan -1969 - 1970 .

Research Experience :

-Preparation of research programs and formulation of research projects for the Wood Technology Section of Forestry Research Center , Sudan and supervised their execution (1971 -1985) . Important research activities included :

- Investigating the anatomical structure of local woods as a basis for wood identification and for establishing wood structure - property relationships . The

structure of local hardwoods was correlated to pulp and papermaking properties as well as to mechanical properties

- Ascertaining mechanical properties of the local timbers which are likely to be used for structural purposes . Formulation of tentative grading rules and the derivation of design stresses for these timbers .
- Evaluation of machining or woodworking properties of the various wood species with the object of indicating the best use for each timber .
- Classification of some local timbers according to their natural durability against wood destroying agencies and according to their permeability and finding the best methods for treating timbers of low durability with preservatives .
- Investigations into the factors affecting sawmill recovery and seeking means of increasing recovery and reducing the waste .
- Investigating technical suitability of various wood species and some agricultural residues for making manufactured products such as pulp and paper and building boards .
- Special study on the design and assembly of pallets using different species and different fasteners , and testing their performance .
- In energy area many wood species were evaluated as sources of energy . More and more fast - growing plantation species were found to be good charcoal +producers . Some studies were also carried out to improve methods of producing charcoal .
- Activities also included some extension work for disseminating the information obtained from research results . Training programs for students and other interested groups and individuals were also organized .
- Experience in research management and formulated a strategy for forestry research which defined long and medium term priorities.
- At present working in King Abdulaziz City for Science and Technology (KACST) evaluating research proposals submitted to KACST for funding. The aim is to select the best projects which qualify for funding.

Teaching Experience :

- Part - time faculty member at Khartoum University , 1971 - 1988 , with the following teaching loads :

Undergraduate Courses :

- Constructed and taught 4 courses for fourth and fifth years , Khartoum Univ.

- One of these courses was also taught to both Juba Univ . students and Forest Rangers College .
- Taught 4 forestry undergraduate courses and 4 postgraduate courses at King Saud Univ – 1988 – 1997.
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- At present teaching 3 undergraduate courses and one graduate course in the College of Forestry and Range Science, Sudan University of Science and Technology..

- **Postgraduate Training :**

- Constructed and taught a course on " Wood as a source of energy " as part of an M .Sc . program in Energy Technology , Khartoum Univ .
- Constructed and taught 5 forestry courses for postgraduate students at King Saud Univ .
- Supervised 12 M .Sc . students and 6 Ph. D. students , in Khartoum Univ, .
- King Saud Univ and Sudan University of Science and Technology.
- External examiner for many M. Sc and Ph. D students.

- **Other Experiences :**

- Worked with a local team as a steering committee to help World Bank in formulating their forestry project in the Sudan .
- Participated in formulating forest policy and supporting legislations in the Sudan.
- Participated in formulating a strategy for Agricultural Reaearch Corpoation in the Sudan.
- Wrote a number of papers on strategic planning and sustainable development in agriculture and forestry in Sudan and Saudi Arabia.
- As director of Forestry Research Center , Sudan I attended regional meetings organised by IUFRO and FAO for discussing some of the research problems in the region . During this period I gained good experience in research management .I was able to set a strategy for forestry research in the Sudan by indicating priority areas .
- During my work in King Saud Univ .(KSU) I started some work on arid-zone research and afforestation and desertification control .

- Also in KSU I participated in training courses for different groups of different interests : gave lectures and demonstrations on tree planting for two groups of municipalities employees . Another program for two different groups from Civil Defence on Agricultural Security .
- Chief editor for *Sudan Silva* --- the forestry journal in the Sudan, 1985 – 1988.

PUBLICATIONS

- Papers published in Journals and Conference Proceedings :

- Nasroun , T.H . 1975 . Structural utilization of local timbers . *Sudan Silva* 3 (20) : 40 - 47 .
- Nasroun , T.H . 1979 . Pulp and papermaking properties of some tropical hardwoods grown in the Sudan . *Sudan Silva* . 3 (23) : 22 -32 .
- Ifju , G . , J .P . Chimelo and T . H . Nasroun .1978 . Structure - property relations for wood and wood products . Proceedings . V . Inter - American Conference on Materials Technology . IPT ,Sao Paolo , Brazil :259-260 .
- Nasroun , T.H . 1979 . Home-grown timber properties that are required for engineering purposes . Proceedings . International Symposium on "The Use of Home-grown Timbers in Buildings ." BRRI , Khartoum Univ : 113 - 121 .
- Nasroun , T.H . 1979 . Problems and prospects of timber drying in the Sudan. The same symposium as above :122 - 131 .
- Nasroun , T.H . 1982 . Specifying local timbers for structures . *Sudan Silva* . 4 (24) : 38-51 .
- Nasroun , T . H . and Shommu Shaa Eldin . 1982 . The use of solar energy in drying timber . Proceedings . Arab Conference on "The Use of Solar Energy in Agriculture ." . Arab Authority for Agricultural Development . Amman , Jordan : 233 - 252 .
- Nasroun , T.H . 1983 . Energy from wood . *Sudan Silva* . 5 (25) : 76-87 .
- Nasroun , T . H . 1986 . The use of agricultural residues for manufacturing panelboards . Proceedings . International Symposium on the " Use of Vegetable Plants and Their Fiber as Building Material " . Baghdad , Iraq .
- Nasroun , T.H . and O .T . Al Zaki . 1987 . The relationship between anatomical structure and mechanical properties of wood . *Sudan Silva* , 6 (26) : 88-99 .
- Nasroun , T.H . 1989 . Forestry research priorities in the Sudan . *Sudan Silva* , 8 (27) : 5-11 .

- Nasroun , T . H . 1989 . The role of forestry in combating desertification (arabic) . Proceedings . Symposium on "Desert Studies in Saudi Arabia " . Center of Desert Studies . King Saud Univ . Riyadh .
- Nasroun , T.H . 1992 . A strategy for combating desertification and land reclamation in Arabian Peninsula (arabic) . Proceedings . Symposium on " Environment and Development " . CCG and Riyadh Chamber of Commerce and Industry ,Riyadh .
- Nasroun , T.H . and F.A . Al Mana . 1992 . The effect of pre-treatment of seeds of some arid-zone tree species on their germination responses . *Journal of King Saud Univ - Agricultural Sciences* , 4 : 79 - 93 .
- Nasroun , T.H . 1993 . An outline for a sustainable agricultural development plan in the Arabian Gulf Region . (arabic) . Proceedings . Symposium on Desertification and Land Reclamation in CCG Countries .Arabian Gulf Univ . Bahrain .
- Nasroun , T . H . 1995 . The significance and methods of restoring and maintaining biodiversity in desertified ecosystems in the Kingdom of Saudi Arabia . Symposium on Desert Studies in the Kingdom . Center of Desert Studies . KSU , Riyadh .
- Al Mana , F.A . and T . H . Nasroun . 1995 . The effect of seed-sowing time on germination and seedling growth in the nursery . *Journal of King Saud Univ . - Agricultural Sciences*, 7 (1): 117-132 . (arabic) .
- Nasroun , T.H . 1995 . Evaluation of quality and recovery of charcoal made from five fast-growing wood species. Consultancy for the National Council for Research, Sudan
- Nasroun, T. H. 1997. The use of stereological techniques for investigating the effect of tree age and level of height on the anatomical structure of *Eucalyptus camaldulensis* var. *Obtusa* (in arabic). *Arab Gulf Journal of Scientific Research*, 15 (2): 525-550.
- Nasroun, T. H. , Yousof S. Ali and Suaiban S. Al-Subaiee.1997. Effect of treating seeds of some leguminous trees by boiling in water and soaking in sulphuric acid on germination. *Journal of King Saud University – Agricultural Science*, 10 (1): 113-124.
- Nasroun, T. H. And Thobayet S. S. Al- Shahrani. 1998. The relationship between anatomical structure and density of wood. *Journal of King Saud University – Agricultural Science*, 10 (2): 235-252.

- Nasroun, T. H. And Thobayet S. S. Al-Shahrani. 1998. The relationship between anatomical structure and shrinkage in wood. (in arabic). *Arab Gulf Journal of Scientific Research*, 16 (1): 183-206.
- Nasroun, T. H. And Thobayet S. S. Al-Shahrani. 1998. The relationship between anatomical structure and permeability of wood. (in arabic). *Arab Gulf Journal of Scientific Research*, 16 (3): 657-676.
- Nasroun, T. H. 1998. Wood – a natural variable material with multiple uses (in arabic). Proceedings of the First National Symposium on Materials. King Saud University, Riyadh.
- Nasroun, T. H. ,Yousof S. Ali and Soaiban S. Al Subaiee. 1999. Effect of sowing media on seed germination of some local forest trees. (in arabic). *Journal of King Saud University Vol. 11– Agricultural Science (2) : 93 –104.*
- Nasroun, T. H. 1999. The importance of environmental education and extension for the strategy of sustainable agricultural development. Proceedings of the Symposium on “ Agricultural Development in the Kingdom in 100 Years”. King Saud University (in arabic).
- Nasroun, T. H. 1999. Future trends for combating desertification. Proceedings of the Third Conference on Desertification Studies and Environment After the Year 2000 – King Saud University (in arabic).
- Al-Khalifa, N. S. and T. H. Nasroun. 2000. Planting firewood plants and improving their productivity in the Kingdom of Saudi Arabia. Proceedings of a symposium on “ Towards a National Program for Planting Firewood Plants”. The National Corporation for the Protection and Development of Wildlife. Riyadh (in arabic)
- Nasroun, T. H., A. R. Al-Harbi and K. Z. Al-Muqbil. 2000. Effect of windbreaks on micro-environment and on growth and productivity of summer squash : (1) Effect of windbreaks on micro-environment. *Journal of King Saud University – Agricultural Sciences* 13 (2) : 143 - 154.—(in arabic)
- Al-Khalifa, N. S. and Tageldin H. Nasroun. 2001 .Development of firewood production in the Kingdom of Saudi Arabia. *Journal of the Advances in Agricultural Research*, Alexandria, Egypt. vol. 6 (4): 1095 – 1112. (in arabic)
- Al-Harbi, A. R., T. H. Nasroun and K. Z. Al-Muqbil. 2002. Effect of windbreaks on micro-environment and on growth and productivity of summer squash : (2) Effect of windbreaks on growth and productivity of summer squash. *Journal of King Saud University – Agricultural Sciences*, 14 (2): 253 – 271. (in arabic).
- Nasroun, T. H. And A. O. El-wakeel. 2003. Suitability of two wood species and three agricultural residues for the manufacture of particleboard. *Sudan Silva*.
- Al-Khalifa, N. S. ,P. R. Khan , A. M. Al-Abdulkader , T. H. Nasroun and A. H. Al-Farhan. 2003 . Growth performance of two firewood plants native to Saudi

- Papers for local conferences and for training purposes :

- Nasroun , T . H . 1972 . Towards more rational use of Sudanese timbers . Khartoum .
- Nasroun , T . H . 1981 . Wood identification manual . Khartoum Univ .
- Nasroun , T . H . 1983 . Development of timber industry in the Gezera Province . (in arabic) . Wad Medani , Sudan .
- Nasroun , T . H . 1983 . The role of forestry in boosting national economy . (in arabic) . Khartoum .
- Nasroun , T . H . 1985 . Microscopic identification of some important local hardwoods . Khartoum Univ .
- Nasroun , T . H . 1987 . Quantitative microstructural characteristics of seven home-grown hardwoods . Khartoum .
- Nasroun , T . H . and F . A . Al Mana . 1980 . Trees and forests and their effect on agricultural ecosystems . Extension Booklet , (in arabic) on the occasion of tree planting week . University Press .KSU , Riyadh .
- Nasroun , T . H . 1995 . The role of urban forests in restoring and maintaining environmental balance . Workshop organised by Arab Institute for Urban Development and College of Agriculture , KSU , Riyadh .

Books :

- Nasroun, T. H. 2000 .Principles of forestry and their applications in arid zones. Dar Aalam Al-kutub, Riyadh. 326 pp. (in arabic).
- Nasroun, T. H. 2005 . Wood properties and technology. Dar Aalam Al-Kutub, Riyadh, Saudi Arabia. 304 pp. (in Arabic)
- Co- auther in 4 other books with other faculty members from college of agriculture King Saud Univ. Riyadh.

- **This in addition to many technical reports and consultancies.**

Conferences and Consultances :

- Attended 5 international conferences and presented papers : in Baghdad , Amman ,Bahrain , Riyadh, Nairobi, Spain and Khartoum .
- Attended many local conferences and presented papers .
- Attended 2 meetings organised by the International Union of Forestry Research Organization (IUFRO), in Niarobi 1985 and 1986 for formulating a forestry research plan for Africa Sahelian and North Sudanian Zones .
- Attended an FAO meeting in Spain , 1987 , for revising Forestry Research Priorities in the Mediterranean Region .
- A consultancy for the Arab Center for Studying Arid Lands and Dry Zones (ACSAD) on curriculumm development for the Forestry and Pasture Institute of Al - Hishan , Libya , 1980..
- Participated in revising forest utilization curricula for both Khartoum Univ . and Juba Univ .
- Worked in an advisory committee for setting a research program and formulating research projects for the newly established Cellulose Chemistry and Technology Unit of the National Council for Research , Sudan .
- A consultancy for the Energy Research Council of the National Council for Research on the development of charcoal production .

- Additional Assignments :

- Chief editor of *Sudan Silva* - Sudan s Journal of Forestry (1985 - 1988)
- Member of the Board of Directors for the Energy Research Council of the National Council for Research (NCR) (1986 - 1988)
- Project leader for Building Boards Research Project in NCR (1980 - 1988) .
- Member of the Ford Foundation Research Projects Selection Committee in the Sudan (1986 - 1988) .
- Member of the Agricultural Research Council of NCR Research Projects Selection Committee .

- Member of a steering committee and local preparation team for drafting a Forestry Development Project for the World Bank .

- **Society Membership :**

- Sudanese Forestry Society
- Sudanese Agricultural Society
- Saudi Biological Society .
- Saudi Agricultural Society
- TAPPI - Technical Association of Pulp and Paper - up to 1988 .
- American Forest Products Society - up to 1988 .
- IUFRO - International Union of Forestry Research Organizations - up to 1988 .
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السيرة الذاتية

الاسم : تاج الدين حسين نصرود

المرتبة العلمية : أستاذ بحث - Research Professor-

تاريخ و مكان الميلاد : 1941 - السودان .

الديانة : مسلم

الحالة الاجتماعية : متزوج و لى أطفال

المؤهلات :

دكتوراة - جامعة فرجينيا - الولايات المتحدة - 1978 في الغابات ومنتجاتها (خصائص وتكنولوجيا الاخشاب).

بكالوريوس (غابات) - جامعة أدنبرا - المملكة المتحدة - 1967

بين هاتين الشهادتين حصلت على دبلوم كلية امبريال (تعادل ماجستير) - جامعة لندن - 1971.

و زمالة جيولف فى أبحاث المنشآت الخشبية - جامعة فرجينيا -الولايات المتحدة - 1975

المهام الادارية :

- مدير مركز أبحاث الغابات - السودان - 1985 - 1988
- رئيس قسم أبحاث خصائص و تكنولوجيا الأخشاب - مركز أبحاث الغابات - 1971 - 1985
- محافظ غابات ولاية كردفان - السودان - 1969 - 1970

النشاط و الخبرات البحثية :

- اعداد برامج البحوث لقسم أبحاث خصائص و تكنولوجيا الأخشاب بمركز أبحاث الغابات - السودان ومراقبة تنفيذها - 1971 - 1985 - و شملت أهم البحوث ما يلي :
- دراسة التركيب التشريحي للأخشاب المحلية و اعداد مفتاح لتشخيص و تعريف هذه الأخشاب.
- ايجاد علاقات بين الخصائص التشريحية و الخصائص الأخرى للأخشاب
- تحديد الخصائص الطبيعية و الميكانيكية لبعض الأخشاب المحلية - وضع أسس لفرز وتصنيف الأخشاب حسب قوتها و متانتها و حساب جهود و متانة الأخشاب المحلية للاستعمالات الانشائية.
- تقويم الصفات التشغيلية للأخشاب .
- تحديد درجات المقاومة الطبيعية للأخشاب المحلية ضد الآفات الضارة بها - و تحديد درجات نفاذية الأخشاب و قابليتها للمعالجة بالسموم بغرض تعقيمها ضد الآفات.
- دراسة العوامل المؤثرة على كفاءة عملية نشر الأخشاب و طرق زيادة انتاجيتها و خفض نسبة المخلفات فيها.
- دراسة صلاحية الأخشاب المختلفة لصناعات الورق و ألواح البناء و غيرها.
- تقويم أنواع الأخشاب المختلفة كمصدر للطاقة و لانتاج الفحم النباتي بصفة خاصة.
- الانخراط فى مجالات بحوث و تشجير المناطق الجافة منذ قدومى للمملكة العربية السعودية
- أنشطة ارشادية بغرض نشر نتائج البحوث و اعداد برامج تدريبية لاهتمامات و مستويات مختلفة من الدارسين.
- حاليا أعمل بمدينة الملك عبد العزيز للعلوم والتقنية بالمملكة العربية السعودية في مجال تقويم ودراسة البحوث المقدمة للمدينة للدعم بهدف اختيار البحوث المؤهلة للدعم.

مجال التدريس :

- عضو هيئة تدريس غير متفرغ بكلية الزراعة - جامعة الخرطوم - 1978 - 1988

- عضو هيئة تدريس بكلية الزراعة جامعة الملك سعود - 1988 - 1997

- فى مرحلة البكالوريوس :

-تدريس أربعة مقررات لطلاب السنة الرابعة و الخامسة -جامعة الخرطوم

-و مقرر واحد لكل من طلاب جامعة جوبا و جامعة السودان

- تدريس أربعة مقررات غابات بجامعة الملك سعود

الدراسات العليا :

- اعداد و تدريس مقرر عن " الأخشاب كمصدر للطاقة " كجزء من البرنامج الدراسى لنيل درجة الماجستير فى تكنولوجيا الطاقة - جامعة الخرطوم.

- اعداد و تدريس خمسة مقررات غابات لطلاب الماجستير - قسم الانتاج النباتى - جامعة الملك سعود.

-الإشراف على ثلاثة طلاب ماجستير كمشرف رئيسى و طالبين كمشرف مساعد -جامعة الخرطوم.

-الإشراف على ثلاثة طلاب ماجستير كمشرف رئيسى - جامعة الملك سعود.

- الاشتراك فى سبعة لجان للحكم على رسائل للماجستير ورسالة دكتوراة.

خبرات أخرى :

- العمل ضمن فريق عمل بالسودان لمساعدة البنك الدولى فى اعداد مشروع عن تطوير قطاع الغابات بالسودان.

-حضور اجتماعين للاتحاد العالمى لمراكز بحوث الغابات لمراجعة بحوث الغابات بالمناطق الجافة بافريقيا.

- حضور اجتماع منظمة الزراعة و الأغذية العالمية باسبانيا (1987) لمراجعة برامج بحوث الغابات لمنطقة حوض البحر الأبيض المتوسط

- خبرات واسعة في مجال ادارة البحوث تمخضت عن وضع استراتيجية و تحديد أولويات البحث العلمى فى مجال الغابات بالسودان.
- المشاركة فى حلقات دراسية كمحاضر و دورات تدريبية اعدھا مركز الارشاد الزراعى بكلية الزراعة و مركز خدمة المجتمع - جامعة الملك سعود.

البحوث المنشورة :

- قائمة مرفقة

المؤتمرات و الاستشارات :

- حضور ستة مؤتمرات و ندوات عالمية فى عمان و بغداد و البحرين و اسبانيا و نيروبي والخرطوم و الرياض و تقديم بحوث فيها .
- حضور العديد من المؤتمرات و الندوات المحلية فى كل من الرياض و الخرطوم و تقديم بحوث فيها .
- القيام بدراسة استشارية للمركز العربى لدراسات المناطق الجافة (أكساد) عن تطوير المناهج و مقومات الدراسة الأخرى لمعهد الغابات و المراعى بالحشان بليبيا .
- المشاركة فى لجنة استشارية لوضع برنامج البحوث لوحدة أبحاث السليولوز الحديدية بالمجلس القومى للبحوث - بالسودان .
- القيام بدراسة استشارية لمجلس أبحاث الطاقة التابع للمجلس القومى للبحوث بالسودان عن طرق تطوير انتاج الفحم النباتى فى السودان .

مهام أخرى :

- رئيس تحرير مجلة " Sudan Silva " - المجلة العلمية للغابات بالسودان (1985 - 1988)
- عضو مجلس ادارة مركز أبحاث الطاقة التابع للمجلس القومى للبحوث - السودان .
- رئيس الفريق البحثى الخاص بالواح البناء بالمجلس القومى للبحوث بالسودان (1980 - 1983) .
- عضو لجنة تحكيم و تقويم و اختيار المشاريع البحثية التى تمولھا مؤسسة فورد الأمريكية بالسودان 1986-1988 .

الجمعيات العلمية :

- عضو جمعية الغابات العلمية - السودان .
- عضو الجمعية الزراعية السودانية .
- عضو جمعية علوم الحياة السعودية .
- عضو الاتحاد الفنى الامريكى للورق و لب الورق - حتى عام 1988 .
- عضو الاتحاد العالمى لمراكز بحوث الغايات حتى عام 1988 .

