

# **African Nanoscience and nanotechnology**

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Nanotechnology Initiative ( USEACANI), CO-Chair-US-EU-Africa-Asia-Pacific and Caribbean Academy of Nanoscience and Nanotechnology (USEACANN) and Editor-In-Chief, Journal Nanotechnology Progress International (JONPI).

African Nanoscience and nanotechnology:

African nanoscience and nanotechnology are at a very primary stage of development. There is no serious government commitment in terms of funding but there are increasing interests. There are some government sponsored initiatives in South Africa and Nigeria which was started Focus Nanotechnology Africa Inc.(FONAI). Nanotechnology in Africa is built strongly at this present stage on individual investigators around nanomaterials, nanochemistry, nanoenergy, nanomedicine, nanosensor, nanoagriculture, etc. Majority of the 53 countries in Africa has nanoscience and nanotechnology presence with the heaviest density in South Africa. One of the objectives of FONAI-USEACANI is to catalyze nanoscience and nanotechnology in Africa with its proposed budget of \$10 billion for next ten years. The distribution of individual investigators and fields among countries are given as follows.

Nanoenergy/ Nanomaterial

South Africa

D. Knoesen,

Sunny E. Iyuke

D. Britton

Aneli Fourie

KK Muller-Nedebock

WJ Perold

RD Sanderson

PS Steyn

C Theron

R. Knutsen

L. Lorenzen

Yunus Ballim

P. Ngoepe

Malik Maaza

Jimmy Volmink

Sekai Shambira

David McLachlan

Chris Pistorius

Ron Sanderson

P. Mjwara

J. Cawood  
Arthur Every

Sudan  
Mohamed Eisa,  
Rafat Mohamed Ibrahim  
F. I. Habbani  
Osman Mai Eltag Mohamed

Algeria  
F. Kavishe,  
E.H. Amara  
T. Gasmi

Nigeria  
G Egharevba  
S.O. Olabanji  
F.I. Ezema  
Benjamin Ezekoye  
Benedict Gbaruko  
Obinna Ofeogbu  
Adewoye  
Fasasi

Ethiopia  
G. Tessema,  
Ashok V. Gholap  
Bantikassegn Workalemahu  
A Asfaw

Lesotho  
N.I. Manyala,  
Spirit Tlali

Senegal  
Sossé Ndiaye  
Ahmadou Wague  
Ahmadou Wague  
Aboubaker Beye  
Djibril Diop  
Oumar Sakho

Tanzania  
Joe Tesha  
Yadon M. Kohi  
R. A. Msuya

Ghana

K. Anane-Fenin,  
P. Buah-Bassuah  
Edwin P.D. Barnes  
Akwasi Ayensu  
Joseph O. Gogo

Egypt

Yosr Ezz El-Din  
Fawzy Hussein Hammad  
Sherif Hussein Kandil  
Y. Badr  
Y. E. Gamal

Benin

Mahouton Norbert Hounkonnou,  
C. M. Awanou

Tunisia

Mourad Telmini,  
Zohra Ben Lakhdar  
Zohra Ben Lakhdar

Cameroun

N.T.Gerard,  
M. Kwato Njock

Morocco

I Zorkani,  
M. Semlali

Namibia

Elifas T.N. Bisanda,  
S. SINGH

Rwanda

K.Marembo,  
A.Niyibisi

Kenya

K Kaduki,  
V. Otieno

Zambia

G. K. Chinyama,

G. Munyenne

G. Katumba, Zimbabwe

T. Stephen Sathiaraj, Botswana

Tom Otiti, Uganda

A.J. Varkey, Swaziland

T. Ndikumana, Burundi

Y. Idriss, Chad

V. Krou-Adohi, Ivory Coast

G. Ntchayi Mbourou, Gabon

Suleiman Musa El Hamali, Libya

M. Tandia, Mauritania

M. K. Edee, Togo

Nanosensor

E. Iwuoha, SA

Nanomedicine

Nigeria

Michael Adikwu

Anthony Atama

Charles O. Esimone

Jeff-Agboola, Y.A.

Akpa P.A

South Africa

V Pillay,

Ben Marais

Sekai Shambira

Ghana

K Ofori-Kwakye

Stanley Moffatt

Jean Marie Ndjaka, Cameroun

Nanoagriculture

Nigeria

Igbekele Ajibefun

G. Okafor

Owusu Essegbey, Ghana

Nanochemistry

South Africa

MS Scurell,

Aneli Fourie

Allen Rodgers

DS Mclachlan

RD Sanderson

Ron Sanderson

N. Torto, Botswana

I.Adraoui, Morocco

Justin Irina, Kenya

Onyanobi Anyebe, Nigeria

Nanofiltration

Thembella Hillie, South Africa,

Hiophe, South Africa