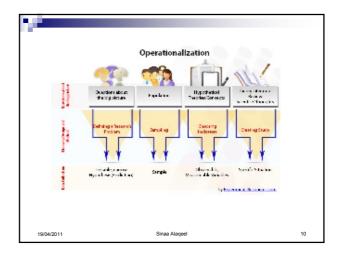
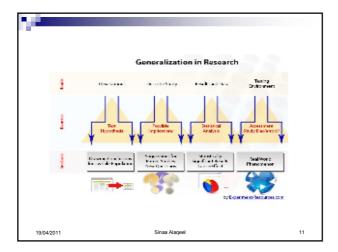


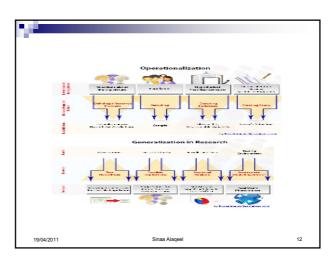


## The Research Process Steps Formulating a research question Conceptualizing a research design Constructing an instrument for data collection Selecting a sample Writing a research proposal Collecting data

7. Processing data 8,04/20 Writing a research report

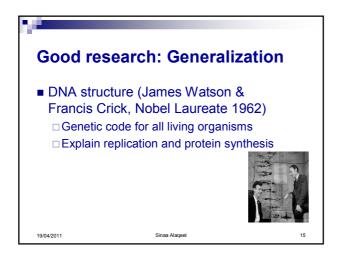


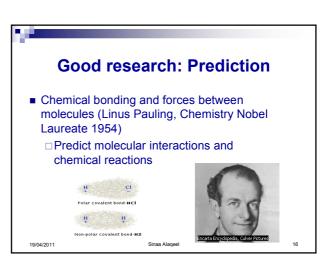


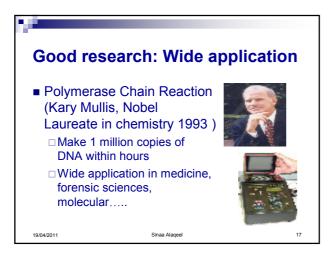


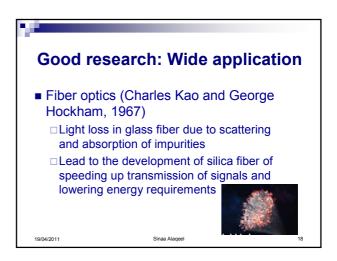








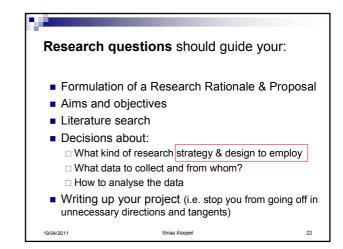




Vital elements of good research
■ Originality & Novelty
■ Able to make generalization
■ Able to make prediction
■ Wide application
Ask yourself this question:
 "How about my own research project?"



## The Research Process Steps 1. Formulating a research question 2. Conceptualizing a research design 3. Constructing an instrument for data collection 4. Selecting a sample 5. Writing a research proposal 6. Collecting data 7. Processing data 8.00,200 Writing a research report



The Research Process Steps

1. Formulating a research question

2. Conceptualizing a research design

3. Constructing an instrument for data collection

4. Selecting a sample

5. Writing a research proposal

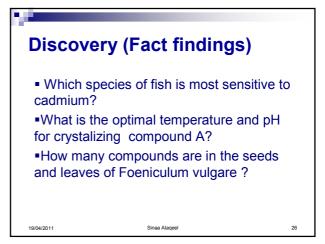
6. Collecting data

7. Processing data

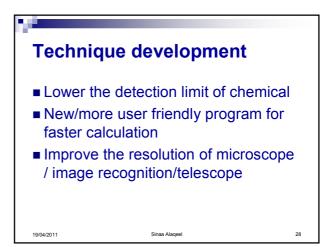
8. Writing a research report

Methodology: the general principles of investigation that guide a study. Quantitative , qualitative.
 Design: the overall plan and structure of of a piece of research. Operational aspects of the study. E.g. controlled, cohort, case study
 Methods: specific techniques employed in execution of a piece of research. E.g. sampling methods, data collection instruments.

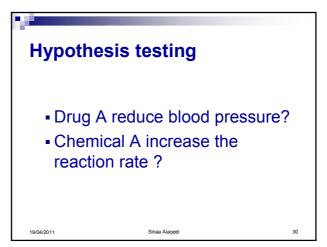


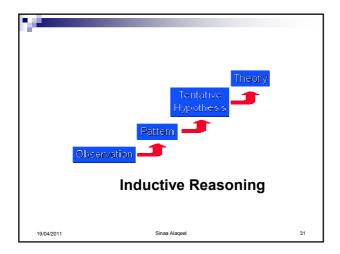


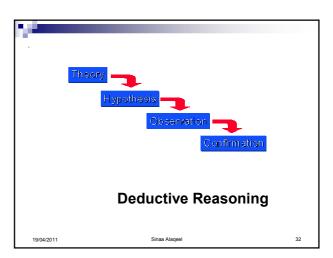


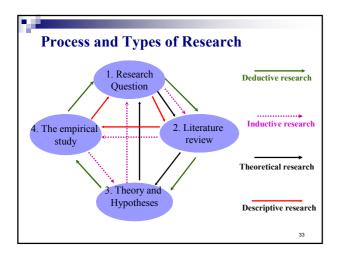


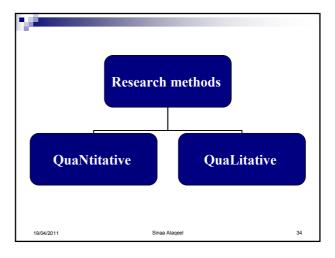


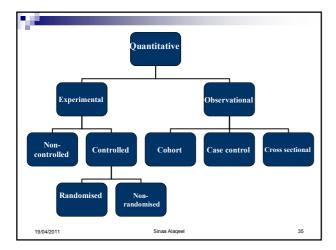












Pharmacogn Mag. 2010 Oct 6(24) 293-7.

Cytotoxic and growth inhibitory effects of the methanol extract Struchium sparganophora Ktze (Asteraceae) leaves.

Ayrinde BA. Agabarour U.

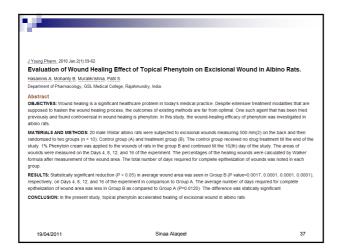
Department of Pharmacognesy, Faculty of Pharmacy, University of Benin, Benin City, Nigeria.

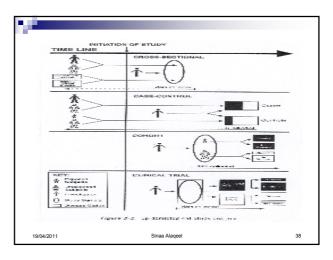
Abstract

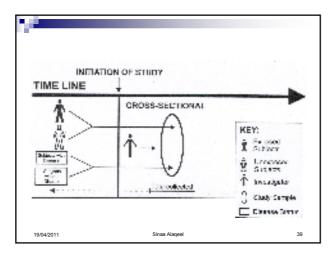
BACKGROUND: Global research into medicinal plants used in treating tumor-related aliments has become imperative due to the emergence of various forms of cancer diseases. Usually consumed as a vegletable. Struchium sparganophora is indicated in traditional herbal medicine as one of the plants used in treating tumor-related aliments.

MATERIALS AND METHODS: This calim was examined using bench-top assay methods involving the cytotoxicity of the methanol extract of the leaves to tadpoise of Ranceps ranninus at 10, 20, 40 and 80 µgml. Also, the growth inhibitory effects of the extract on guinea com radicle at 0, 5, 10, 2 and a figml in addition to evaluation of the phytochemical constitutions of the leaves was performed. After 24 h. the crude extract and the chloroform fraction produced the hipsest cytotoxicity of 66 67 ± 4.71%, each at a concentration of 80 µgml, while the aqueous fraction produced to plant.

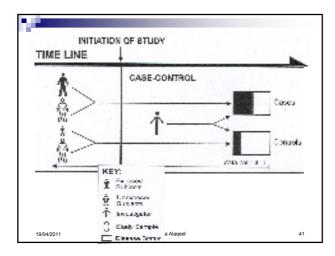
RESULTS: The crude extract had an LCSO of 26 µgml, the chloroform fraction had 6.25 while the aqueous fraction had 5 µgml. On the inhibition of the guine con radicle growth, after 96 h. the corticls had an average length of 67.81 ± 2.6 mm, whereas the seeds freated with 4 mgml of the crude extract had an LCSO of 26 µgml, the chloroform fraction had 6.25 while the aqueous fraction had 5 µgml. On the inhibition of the guine con radicle growth, after 96 h. the corticls had an average length of 67.81 ± 2.6 mm, whereas the seeds freated with 4 mgml of the crude extract had an LCSO of 26 µgml, the chloroform fraction in length. All the same concentration, the chloroform and the acceleus fractions showed 32.51 and 4.8 1% inhibitions. The plant material was observed to contain alkadoús, tannins, saponins and lavorous, with no titics of anth

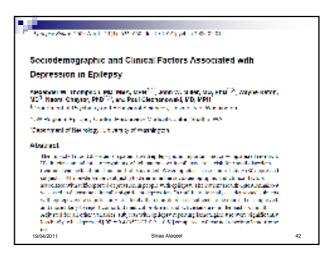


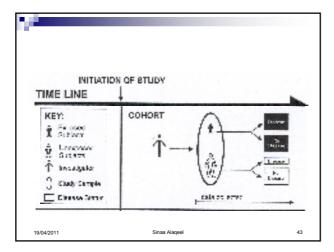




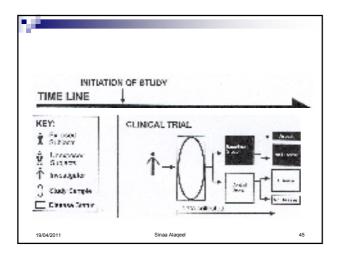




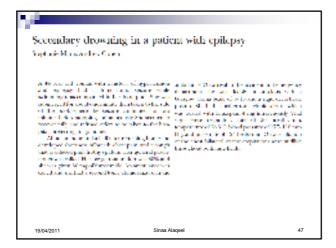


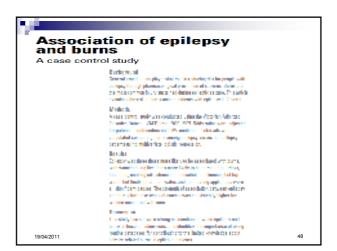




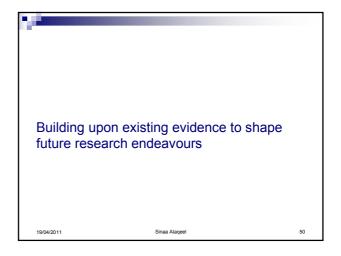








Working in groups identify main advantages and disadvantages of research designs discussed during this presentation.....



Why do litreature review???

Culling the literature

Know your research databases

Confirming the need for investigation
Learning from the mistakes of others

Common areas for improvement

