

Tips and tricks to become a researcher in our setting

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No conflicts of interest

- Research – systematic works to find new knowledge/re-test existing knowledge
- Researcher – who performs research

Why is research necessary?

- Prerequisite for partial fulfillment of a degree/certification
- Promotion
- Clinical problems
- Job
- Guides/Co-Guides
- Others – satisfaction

Early career researcher

- First four years of career (since PhD)
- Focus – mindset

Problem/research question

- Question that a study or research project aims to answer

Our context: academic research

- A recently published article – from journal clubs
- Students are asked to bring few titles
- An identified problem is offered to solve
- Literature search

Research question

- Ethically acceptable
 - Significant
 - Clear
 - Feasible
-
- Senior fellow/Guide/Co-Guide/workshops/literature search

What is known: literature search

- How to do literature search?
- Key words, ADDing them
- Filtering – language, time frame, type of articles
- Go through titles – abstract – full text for relevant ones
- Librarian/senior fellow/workshops

Research proposal for funds/ ethical clearance

- Follow instruction of institutions/funders
- Check accepted protocols
- Seek help from statistician – sample size estimation (according to study design), variables
- Guide/Co-Guide may help
- Participate in workshops (hand-on)/Find mentors

Funders

- Bangladesh Medical Research Council (BMRC)
- Ministry of science and technology
- Ministry of health and family welfare
- Bangladesh Society of Medicine (BSM)
- Ibrahim Medical College (IMC)
- Center for Disease Control (CDC), USA
- Others

Perform the job

- Maintain ethics throughout
- Data collection and record keeping
- Better to do piloting
- Be open minded – receive criticism
- Be perseverant
- Keep ready for unwanted events

Review periodically

- Interim analysis
- Prepare and send progress report (if required)
- Critically discuss among the research group members
- Present progress reports in seminars (increases networking)
- Be open minded – receive criticisms to improvise the final report

Analysis of collected data

- Statistician may help
- Participate in workshops early in the career

Final report

- Present among peers/in the department
- Present in conferences
- Incorporate comments and criticisms
- Submit to college/university/send to funders

Publish

- Select suitable journals – peer-reviewed/indexed
- Instruction for authors
- Similar articles in target journal (for style and format)
- Cite from target journal (relevant ones only)
- Do not cut and paste/check plagiarism
- Read – write – cite (from original document)
- Keep 2 weeks – read as a fresh manuscript – give to peers for comments (pre-submission peer review) – revise – submit

Under review

- Respond to reviewer's and editor's comments promptly
- If you disagree to a comment or more – gently respond, give your arguments

Rahim and Uddin *BMC Res Notes* (2017) 10:410
DOI 10.1186/s13104-017-2723-5

BMC Research Notes

CASE REPORT

Open Access



Chikungunya: an emerging viral infection with varied clinical presentations in Bangladesh: Reports of seven cases

Muhammad Abdur Rahim* and Khwaja Nazim Uddin

Post-publication: increase visibility

- Research gate
- Google scholar

- Receive post-publication peer review (criticism)
- Networking

Be open

- Take criticism – improve write-up
- Be perseverant

Case Reports > Saudi J Kidney Dis Transpl. 2020 Nov-Dec;31(6):1411-1414.

doi: 10.4103/1319-2442.308358.

Septicemic melioidosis complicating undiagnosed chronic kidney disease and beta-thalassemia minor in a Bangladeshi farmer

Muhammad Abdur Rahim ¹, Muhammad Abu Yousuf Khan ¹, Tufayel Ahmed Chowdhury ¹,
Mehruba Alam Ananna ¹

Networking

- Communication
- Multi-center study

Authorship: ICMJE

- Substantial contributions to the conception or design of the work; or the acquisition, analysis, or interpretation of data for the work; AND
- Drafting the work or revising it critically for important intellectual content; AND
- Final approval of the version to be published; AND
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved

Good to see names in by-line

REVIEW ARTICLE

OMAN MED JOURNAL [2020], VOL. 35, No 1: e91



Histoplasmosis: An Emerging or Neglected Disease in Bangladesh? A Systematic Review

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One may follow

- Start with a case report
- Descriptive study
- Analytical study
- Clinical trials
- Systematic review and meta-analysis

Clinician researcher

- Rare combination, good balance is needed specially for time management
- Funding and budget is important
- Need to build our own statistics
- Clinicians can identify the clinical needs
- One published paper is an encouragement
- A rich CV is important for job, research grant, fellowship etc.

Summary

- Be passionate, perseverant
- Good observational capacity/curiosity
- Read, read and read
- Find mentors
- Participate in workshops , write protocols , find funds
- Networking
- Publish
- Guide/mentoring
- Maintain ethics