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KARNATAKA RADIOLOGY EDUCATION PROGRAM

CLINICAL RESEARCH – BRIDGING IMAGING & INNOVATION

SESSION – 5 – FORMULATING A RIGHT RESEARCH ARTICLE TITLE



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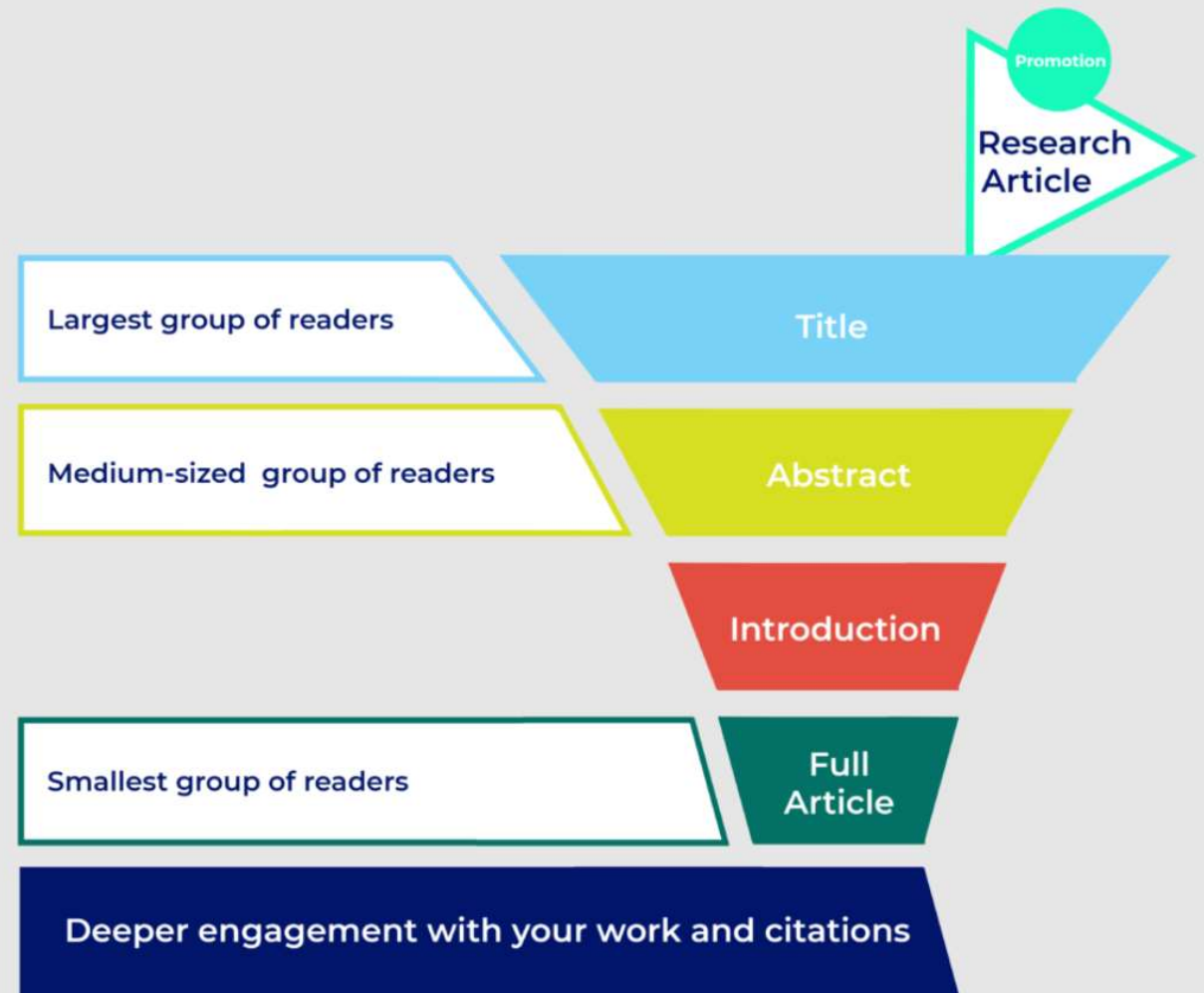
SMSIMSR, CHIKKABALLAPUR



RESEARCH ARTICLE TITLE

TITLE

- ✓ AN IMPORTANT PART OF THE ARTICLE
- ✓ CONDENSES ARTICLE CONTENT IN A FEW WORDS AND CAPTURES READERS' ATTENTION
- ✓ A GOOD TITLE FOR A RESEARCH ARTICLE IS THE ONE WHICH, ON ITS OWN, IS ABLE TO INTRODUCE THE RESEARCH WORK TO THE FULLEST EXTENT, BUT IN A CONCISE MANNER
- ✓ WRITING SCIENTIFIC TITLES THAT ARE INFORMATIVE AND ATTRACTIVE IS A CHALLENGING TASK



SIGNIFICANCE OF THE GOOD TITLE

- ✓ FIRST IMPRESSION OF THE IMAGE
- ✓ AFFECTS DISCOVERABILITY
- ✓ AFFECTS CITATION RATE
- ✓ ATTRACTS & INFORMS POTENTIAL READERS
- ✓ IT IS NOT ABOUT CATCHY TITLE

TASK

LET'S FORM A TITLE THAT IS CATCHY

“EMISSIONS DOWN: ENERGY UP!!!”

Vague title

Suitable as an advertisement jingle

CHARACTERISTICS OF GOOD TITLE

Attribute	Description
1. Clarity and Conciseness	Clearly communicates the main topic; avoids unnecessary words
2. Relevance	Accurately reflects the content; includes main variables or key concepts
3. Inclusion of Keywords	Contains specific terms that enhance discoverability; helps in indexing
4. Specification of Study Design	Mentions the type of study or methodology used; provides immediate context
5. Avoidance of Jargon	Uses accessible terminology; balances precision with readability
6. Engagement	Captures interest; encourages readers to explore further; avoids sensationalism
7. Professionalism	Adheres to scholarly standards; enhances credibility and reliability
8. Ethical Considerations	Ensures honest and transparent communication; avoids exaggeration
9. Scope Definition	Defines the scope and boundaries of the study; clarifies what is and isn't covered

GOOD AND BAD TITLES (CLINICAL RESEARCH EXAMPLE)

✓ **GOOD TITLE:** THE EFFECT OF AEROBIC EXERCISE ON MENTAL HEALTH IN ADOLESCENTS: A RANDOMIZED CONTROLLED TRIAL

✓ **WHY IT'S GOOD:**

- ✓ CLEAR AND CONCISE.
- ✓ INCLUDES KEY CONCEPTS (AEROBIC EXERCISE, MENTAL HEALTH, ADOLESCENTS).
- ✓ SPECIFIES THE STUDY DESIGN (RANDOMIZED CONTROLLED TRIAL).

✓ **BAD TITLE:** A STUDY ON EXERCISE

✓ **WHY IT'S BAD:**

- ✓ VAGUE AND LACKS DETAIL.
- ✓ DOESN'T SPECIFY THE TYPE OF EXERCISE OR ITS PURPOSE.
- ✓ FAILS TO CAPTURE THE STUDY'S SCOPE AND FINDINGS.

GOOD AND BAD TITLES (NON-CLINICAL EXAMPLE)

✓ **GOOD TITLE:** REDUCING CARBON EMISSIONS: AN ANALYSIS OF RENEWABLE ENERGY SOURCES IN URBAN AREAS

✓ **WHY IT'S GOOD:**

- ✓ DESCRIPTIVE AND INFORMATIVE.
- ✓ HIGHLIGHTS THE MAIN FOCUS (REDUCING CARBON EMISSIONS, RENEWABLE ENERGY SOURCES).
- ✓ INDICATES THE CONTEXT (URBAN AREAS).

✓ **BAD TITLE:** EMISSIONS DOWN: ENERGY UP!!!

✓ **WHY IT'S BAD:**

- ✓ INFORMAL AND UNPROFESSIONAL.
- ✓ USES EXCLAMATION MARKS, WHICH ARE NOT SUITABLE FOR ACADEMIC TITLES.
- ✓ AMBIGUOUS AND LACKS CLARITY ON WHAT THE STUDY IS ABOUT

“PICOT” MODEL FOR WRITING TITLE

TASK – DRAFT A TITLE IN YOUR MIND AS PER PICOT (WE LEARNT IN “RESEARCH QUESTION” SESSION-3)

✓ **EXAMPLE RESEARCH FOCUS:**

- ✓ THE IMPACT OF MRI SCREENING ON EARLY DETECTION OF BREAST CANCER IN WOMEN COMPARED TO MAMMOGRAPHY OVER A ONE-YEAR PERIOD.

✓ **PICOT ELEMENTS:**

- ✓ **POPULATION:** WOMEN AT RISK OF BREAST CANCER
- ✓ **INTERVENTION:** MRI SCREENING
- ✓ **COMPARISON:** MAMMOGRAPHY
- ✓ **OUTCOME:** EARLY DETECTION OF BREAST CANCER
- ✓ **TIME:** ONE YEAR