

CHALLENGES FOR EMERGING ECONOMIES (GLOBAL SOUTH)

THANKS TO THE ROYAL SOCIETY OF CHEMISTRY

DISCLAIMER: THIS PRESENTATION IS ONLY MY PERSONAL OPINION
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- UNIQUE CHALLENGES TO RESEARCHER IN SOUTH
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- POTENTIAL ISSUES AND POSSIBLE SOLUTIONS FOR CONSIDERATION

SOUTH vs NORTH

- RESEARCH FUNDING – DIALLEMA (SOCIAL RESPONSIBILITY vs ECONOMIC CONTRIBUTION)
- DIVERSITY (ECONOMIC, CULTURAL PRIORITIES, SOCIAL VALUES AND EXPECTATIONS & NATIONALISM AND INTERNATIONALISATION)
- MERIT AND QUALITY – UNIFORM GROWTH AND QUALITY OF ENVIRONMENT IN EDUCATIONAL INSTITUTIONS
- COST OF EDUCATION AND RESEARCH
- AMBITION AND EXPECTATION – ACCESS TO INFORMATION

UNIQUE CHALLENGES

- **CHOICE OF QUALITY OF EDUCATION AND RESEARCH**
- **LIMITATIONS IN FUNDING – FOCUSED AND BLUE SKY RESEARCH**
- **SUB CRITICAL EXPERTISE**
- **INTERNATIONAL RECOGNITION AND RELEVANCE TO NATIONAL CONTRIBUTION**

INDIA – A CASE STUDY

- EMERGING ECONOMY
- WESTERNISATION AND NATIONALISATION
- WORLD CLASS FACILITIES - QUALITY OF RESEARCH
- STATISTICS OF NUMBER OF STUDENTS AND INSTITUTIONS AND DIVERSITY OF QUALITY
- PAID AND COPY RIGHTED PUBLICATIONS

INDIA - CASE STUDY

- India's spending on R&D in terms of percentage of GDP has been stagnant at 0.6 to 0.7 per cent in the last two decades
- Private investments in R&D have severely lagged public investments in India
- Between 2009-2014, annual publication growth was almost 14 per cent. It increased India's share in global publications from 3.1 per cent in 2009 to 4.4 per cent in 2014

INDIA – CASE STUDY

- **Young Researchers – Challenges (funding to publishing)**
- **Perception of Paid (open source) publications**
- **Predatory Journals**
- **Knowledge of journal quality and accessibility**

- **Diversity in quality of Institutions (Insts., Univs, Laboratories, etc.,)**
- **Diversity in quality of researchers**
- **RSC and ACS – aggressive marketing**
- **Educating the evaluators and referees**
- **Awards and rewards**

ISSUES vs SOLUTIONS

- **FUNDING (SUB-CRITICAL) –library??**
- **EDUCATING THE PUBLIC AND ADMINISTRATORS**
- **SELF REGULATIONS BY PUBLISHERS**
- **REWARDS TO REFEREES & SUBSCRIPTION (GDP BASED)**
- **MARKETING WITH PROMOTION OF RESEARCHERS**

THANK YOU