CHALLENGES FOR EMERGING ECONOMIES (GLOBAL SOUTH)

THANKS TO THE ROYAL SOCIETY OF CHEMISTRY

DISCLAIMER: THIS PRESENTATION IS ONLY MY PERSONAL OPINION
(DOES NOT REPRESENT ‘VIEWS OR DATA’ OF ANY ONE OR ANY GOVERNMENT)

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• SOUTH vs NORTH (GLOBAL)

• UNIQUE CHALLENGES TO RESEARCHER IN SOUTH

• INDIA - A CASE STUDY

• 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'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