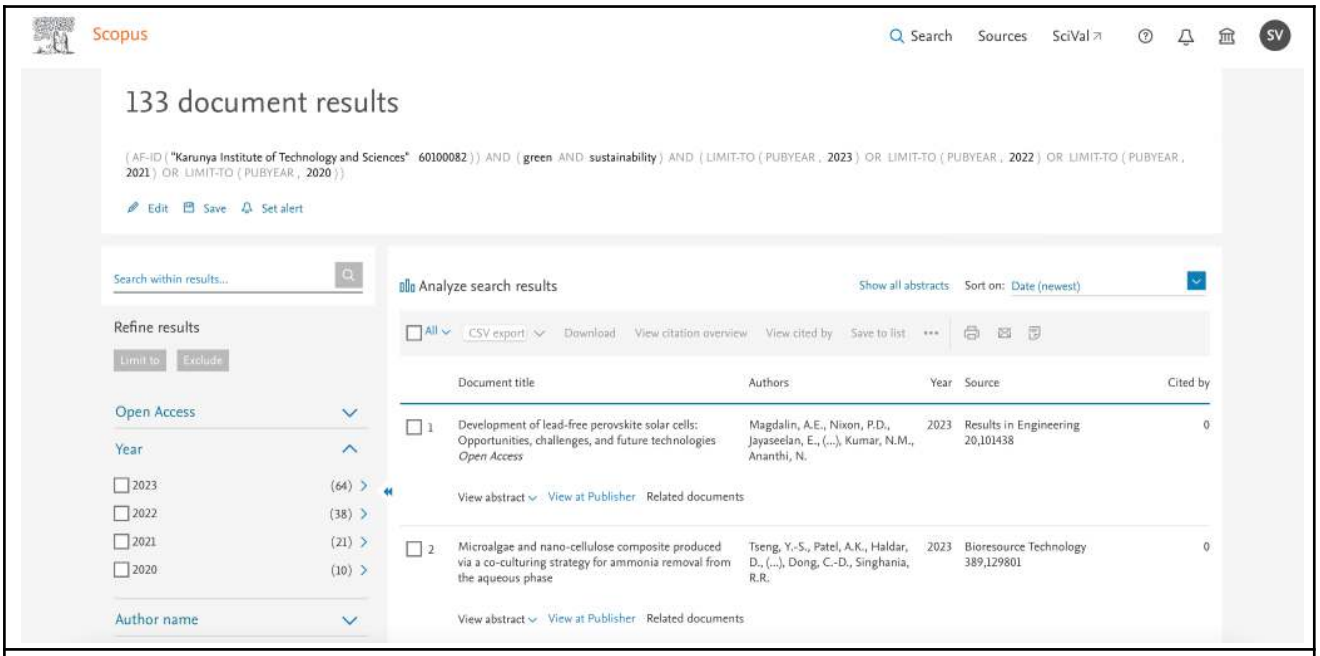
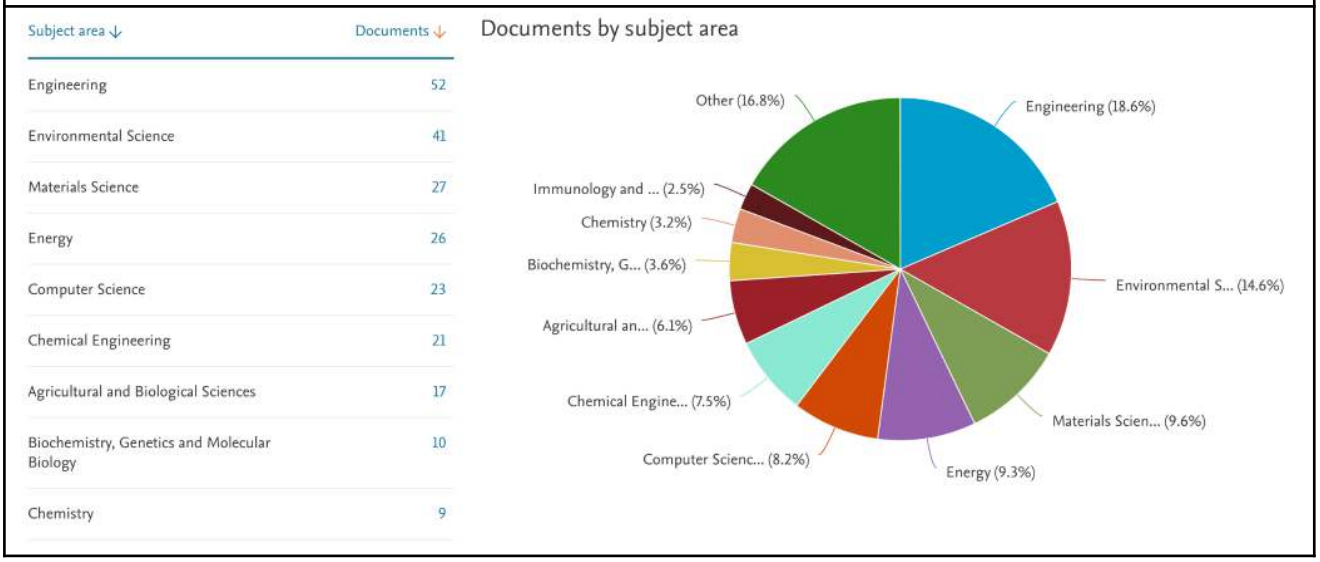
# Template for Evidence(s)
# UI GreenMetric Questionnaire

University : Karunya Institute of Technology and Sciences
Country : India
Web Address : www.karunya.edu

**[6] Education and Research (ED)**

**[6.7] Number of scholarly publications on sustainability**



**Description:**

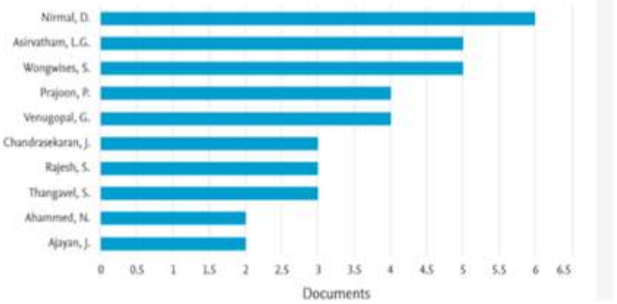
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Data set | Publications by SDG - Relative Activity Index | | | | | | | | |
| Entity | Karunya University | | | | | | | | |
| Year range | 2020 to 2022 | | | | | | | | |
| Filtered by | not filtered | | | | | | | | |
| Types of publications included | all publication types | | | | | | | | |
| Self-citations | included | | | | | | | | |
| | | | | | | | | | |
| Data source | Scopus | | | | | | | | |
| Date last updated | 18 October 2023 | | | | | | | | |
| Date exported | 26 October 2023 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | World | | | India | | | Karunya University | |
| | Scholarly Output | Publication Share (%) | Relative Acitivity Index | Scholarly Output | Publication Share (%) | Relative Acitivity Index | Scholarly Output | Publication Share (%) | Relative Acitivity Index |
| All publications | 11734981 | 100 | | 755031 | 100 | | 2504 | 100 | |
| SDG 1: No Poverty (2023) | 55035 | 0.47 | 1 | 3253 | 0.43 | 0.92 | 1 | 0.04 | 0.09 |
| SDG 2: Zero Hunger (2023) | 152003 | 1.3 | 1 | 16537 | 2.19 | 1.69 | 46 | 1.84 | 1.42 |
| SDG 3: Good Health and Well-being (2023) | 1980265 | 16.87 | 1 | 116978 | 15.49 | 0.92 | 344 | 13.74 | 0.81 |
| SDG 4: Quality Education (2023) | 165473 | 1.41 | 1 | 5177 | 0.69 | 0.49 | 13 | 0.52 | 0.37 |
| SDG 5: Gender Equality (2023) | 95666 | 0.82 | 1 | 3983 | 0.53 | 0.65 | 3 | 0.12 | 0.15 |
| SDG 6: Clean Water and Sanitation (2023) | 203164 | 1.73 | 1 | 21278 | 2.82 | 1.63 | 86 | 3.43 | 1.98 |
| SDG 7: Affordable and Clean Energy (2023) | 564656 | 4.81 | 1 | 55579 | 7.36 | 1.53 | 268 | 10.7 | 2.22 |
| SDG 8: Decent Work and Economic Growth (2023) | 197075 | 1.68 | 1 | 13972 | 1.85 | 1.1 | 35 | 1.4 | 0.83 |
| SDG 9: Industry, Innovation and Infrastructure (2023) | 332975 | 2.84 | 1 | 31278 | 4.14 | 1.46 | 177 | 7.07 | 2.49 |
| SDG 10: Reduced Inequality (2023) | 167794 | 1.43 | 1 | 5747 | 0.76 | 0.53 | 10 | 0.4 | 0.28 |
| SDG 11: Sustainable Cities and Communities (2023) | 267266 | 2.28 | 1 | 18915 | 2.51 | 1.1 | 105 | 4.19 | 1.84 |
| SDG 12: Responsible Consumption and Production (2023) | 176969 | 1.51 | 1 | 16876 | 2.24 | 1.48 | 76 | 3.04 | 2.01 |
| SDG 13: Climate Action (2023) | 198871 | 1.69 | 1 | 15380 | 2.04 | 1.2 | 60 | 2.4 | 1.41 |
| SDG 14: Life Below Water (2023) | 109860 | 0.94 | 1 | 6358 | 0.84 | 0.9 | 15 | 0.6 | 0.64 |
| SDG 15: Life on Land (2023) | 142774 | 1.22 | 1 | 10806 | 1.43 | 1.18 | 21 | 0.84 | 0.69 |
| SDG 16: Peace, Justice and Strong Institutions (2023) | 151472 | 1.29 | 1 | 4938 | 0.65 | 0.51 | 10 | 0.4 | 0.31 |
| | | | | | | | | | |
| | | | | | | | | | |



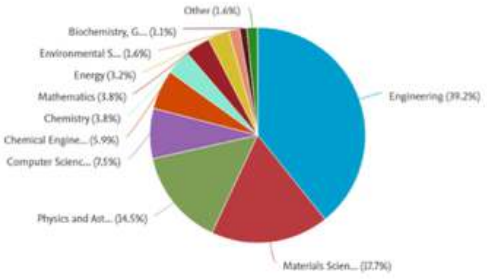
| | | | | | |
|---|---|---|---|---|---|
| Data set | Publications by SDG | | | | |
| Entity | Karunya University | | | | |
| Year range | 2020 to 2022 | | | | |
| Filtered by | not filtered | | | | |
| Types of publications included | all publication types | | | | |
| Self-citations | included | | | | |
| | | | | | |
| Data source | Scopus | | | | |
| Date last updated | 18 October 2023 | | | | |
| Date exported | 26 October 2023 | | | | |
| | | | | | |
| | | | | | |
| Name | Scholarly Output | Field-Weighted Citation Impact | Citation Count | | |
| SDG 1: No Poverty (2023) | 1 | 0 | 0 | | |
| SDG 2: Zero Hunger (2023) | 46 | 1.26 | 218 | | |
| SDG 3: Good Health and Well-being (2023) | 344 | 2.03 | 4068 | | |
| SDG 4: Quality Education (2023) | 13 | 0.71 | 53 | | |
| SDG 5: Gender Equality (2023) | 3 | 3.03 | 27 | | |
| SDG 6: Clean Water and Sanitation (2023) | 86 | 1.23 | 604 | | |
| SDG 7: Affordable and Clean Energy (2023) | 268 | 1.17 | 2024 | | |
| SDG 8: Decent Work and Economic Growth (2023) | 35 | 2.21 | 537 | | |
| SDG 9: Industry, Innovation and Infrastructure (2023) | 177 | 1.51 | 1161 | | |
| SDG 10: Reduced Inequality (2023) | 10 | 1.35 | 45 | | |
| SDG 11: Sustainable Cities and Communities (2023) | 105 | 2.16 | 1611 | | |
| SDG 12: Responsible Consumption and Production (2023) | 76 | 1.68 | 766 | | |
| SDG 13: Climate Action (2023) | 60 | 1.38 | 383 | | |
| SDG 14: Life Below Water (2023) | 15 | 1.53 | 112 | | |
| SDG 15: Life on Land (2023) | 21 | 0.78 | 82 | | |
| SDG 16: Peace, Justice and Strong Institutions (2023) | 10 | 1.23 | 36 | | |
| | | | | | |
| | | | | | |

## IMPACT FACTOR 5.7

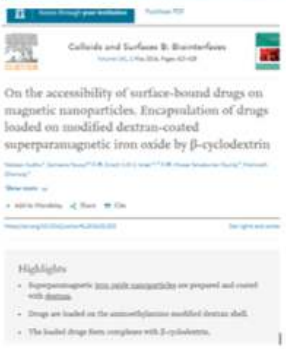

## PUBLICATIONS BY TOP 10 AUTHORS




## PUBLICATIONS IN SUBJECT CATEGORY

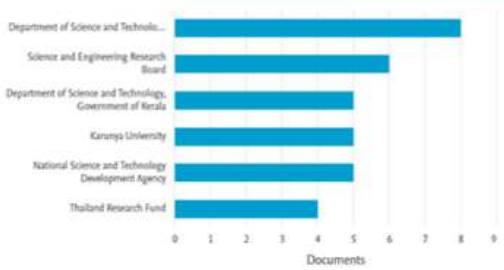



## IMPACT FACTOR 5.6

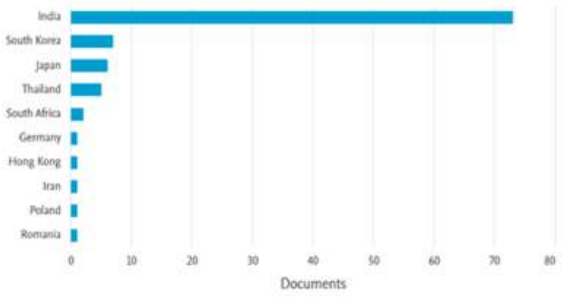



## IMPACT FACTOR 5.4


## RESEARCH SPONSORS



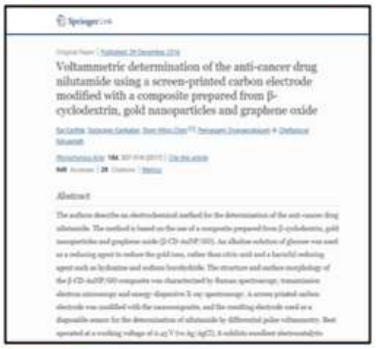

## INTERNATIONAL RESEARCH COLLABORATIONS




## IMPACT FACTOR 5.9


**Source: *SCOPUS***

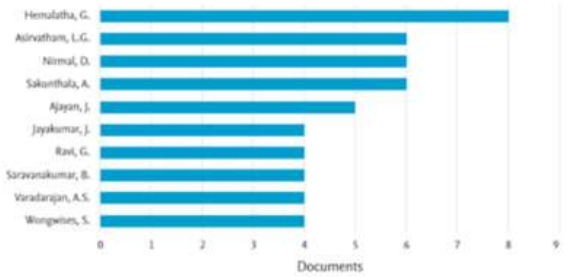
## IMPACT FACTOR 5.8


Springer

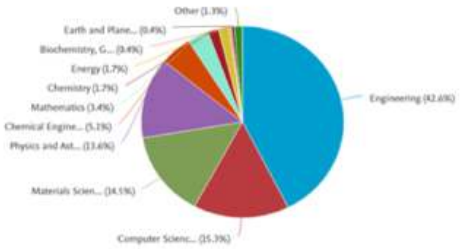
Voltammetric determination of the anti-cancer drug nilutamide using a screen-printed carbon electrode modified with a composite prepared from β-cyclodextrin, gold nanoparticles and graphene oxide

Abstract

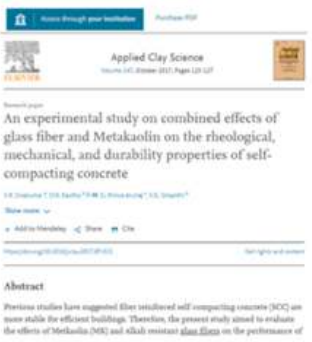
## PUBLICATIONS BY TOP 10 AUTHORS




## PUBLICATIONS IN SUBJECT CATEGORY




## IMPACT FACTOR 5.4


Applied Clay Science

An experimental study on combined effects of glass fiber and Metakaolin on the rheological, mechanical, and durability properties of self-compacting concrete

Abstract

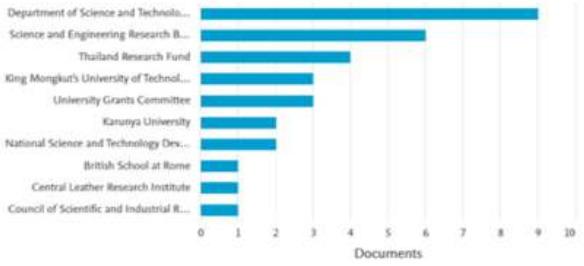
## IMPACT FACTOR 7.4


Sensors and Actuators B: Chemical

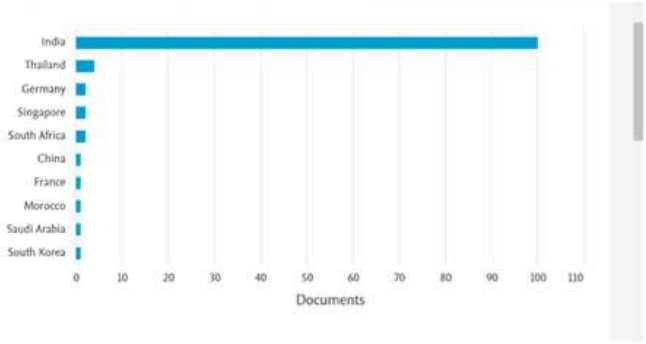
A simple chalcone based ratiometric chemosensor for sensitive and selective detection of Nickel ion and its imaging in live cells

Highlights

## RESEARCH SPONSORS




## INTERNATIONAL RESEARCH COLLABORATIONS




## IMPACT FACTOR 5.4

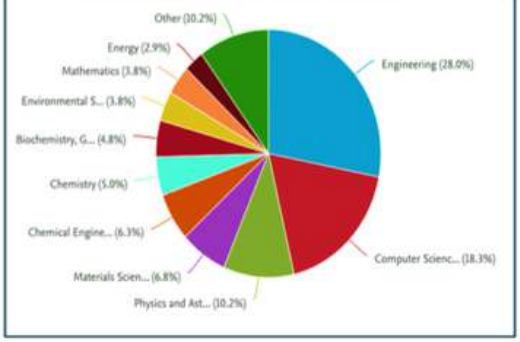

Journal of Photochemistry and Photobiology A: Chemistry

Symmetric fluorescent probes for the selective recognition of Ag-ion via restricted C=N isomerization and on-site visual sensing applications

Highlights

**Source: *SCOPUS***

## Publications in Subject Category




7 AFFORDABLE AND CLEAN ENERGY

## Impact Factor 8.001

Renewable Energy

Assessment of SVM, empirical and ANN based solar radiation prediction models with most influencing input parameters

R. Meenal*, A. Immanuel Selvakumar

## Publications by Top 10 Authors


6 CLEAN WATER AND SANITATION

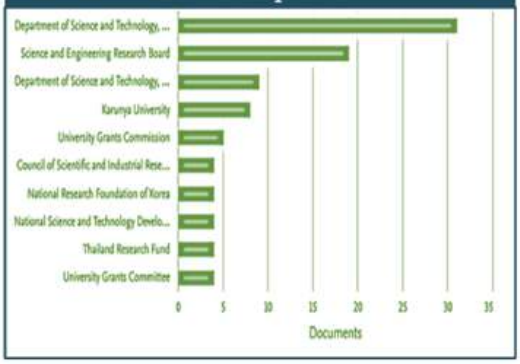
## Impact Factor 7.80

ACS Sustainable Chemistry & Engineering

**Photocatalytic Degradation of Rhodamine B Using Zinc Oxide Activated Charcoal Polyaniline Nanocomposite and Its Survival Assessment Using Aquatic Animal Model**

S. Steplin Paul Selvin,† A. Ganesh Kumar,‡ L. Sarala,§ R. Rajaram,† A. Sathiyan,† J. Princy Merlin,† and I. Sharmila Lydia*,†

## Research Sponsors




7 AFFORDABLE AND CLEAN ENERGY

## Impact Factor 8.928

ChemSusChem. 2018 Nov 23;11(22):3911-3916. doi: 10.1002/cssc.201801443. Epub 2018 Nov 5.

**Ni-Catalyzed α-Alkylation of Unactivated Amides and Esters with Alcohols by Hydrogen Auto-Transfer Strategy**

Siba P Midya [1], Jagannath Rana [1], Jayaraman Pitchaimani [2], Avanashiappan Nandakumar [1], Vedichi Madhu [2], Ekambaram Balaraman [1]

Affiliations + expand

PMID: 30284756 DOI: 10.1002/cssc.201801443

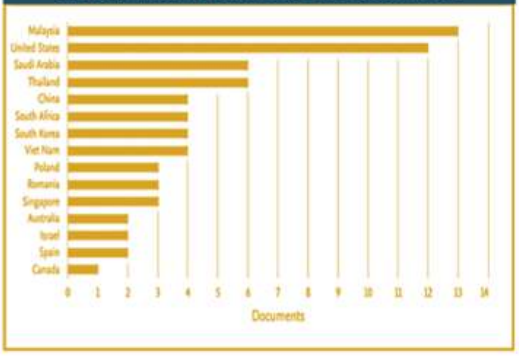
### Abstract

A transition-metal-catalyzed borrowing hydrogen/hydrogen auto-transfer strategy allows the utilization of feedstock alcohols as an alkylating partner, which avoids the formation of stoichiometric salt waste and enables a direct and benign approach for the construction of C-N and C-C bonds. In this study, a nickel-catalyzed α-alkylation of unactivated amides and ester (tert-butyl acetate) is carried out by using primary alcohols under mild conditions. This C-C bond-forming reaction is catalyzed by a new, molecularly defined nickel(II) NNN-pincer complex (0.1-1 mol %) and proceeds through hydrogen auto-transfer, thereby releasing water as the sole byproduct. In addition, N-alkylation of cyclic amides under Ni-catalytic conditions is demonstrated.

**Keywords:** alkylation; amides; homogeneous catalysis; hydrogen transfer; nickel.



## International Research Collaborations




12 RESPONSIBLE CONSUMPTION AND PRODUCTION

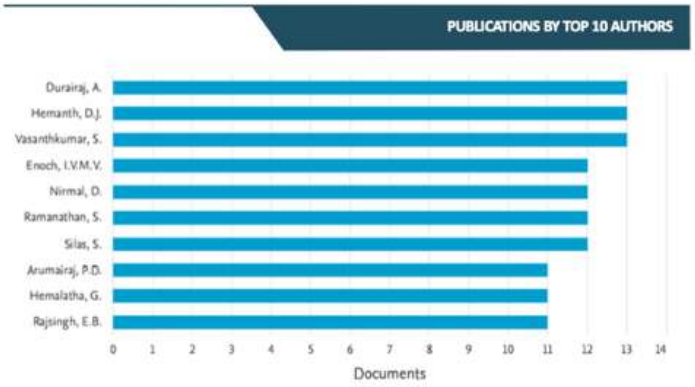
## Impact Factor 6.953

International Journal of Biological Macromolecules

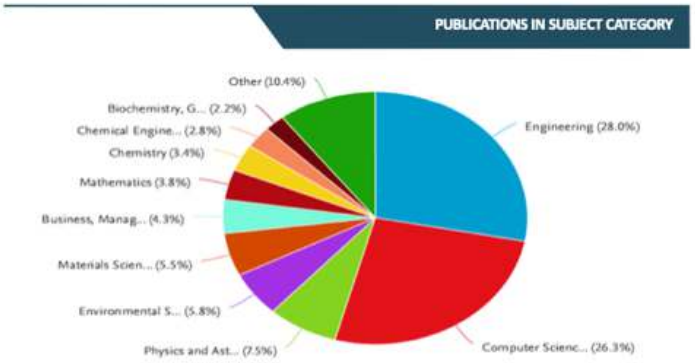
Optimized extraction and characterization of pectin from jackfruit (*Artocarpus integer*) wastes using response surface methodology

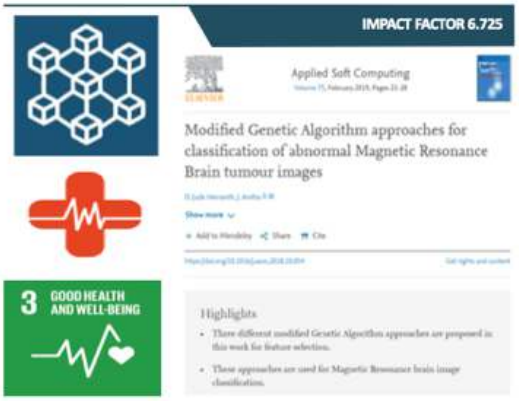
Antony Allwyn Sundaraj*, Thomiam Vasudevan Ranganathan, Seiramdu Gobikrishnan

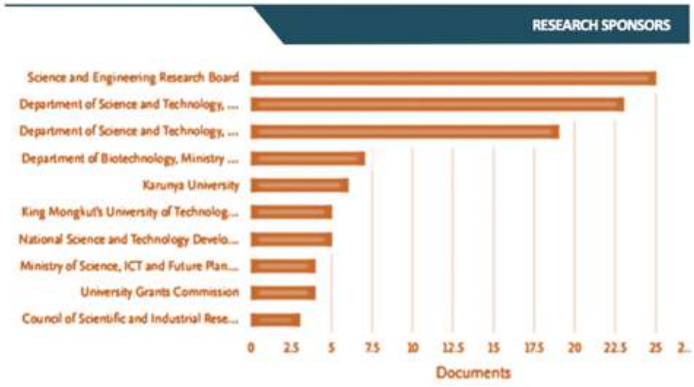
**Source: *SCOPUS***



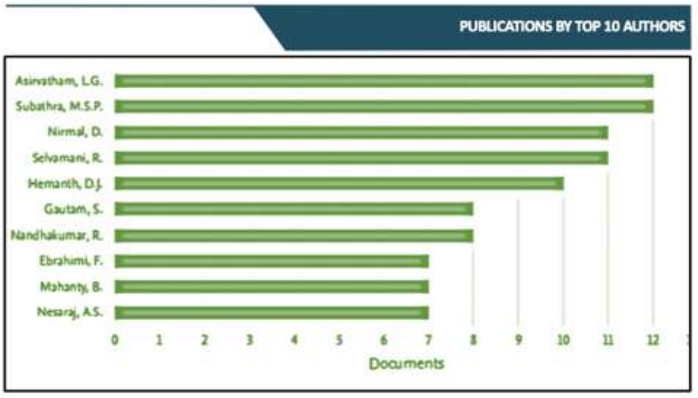


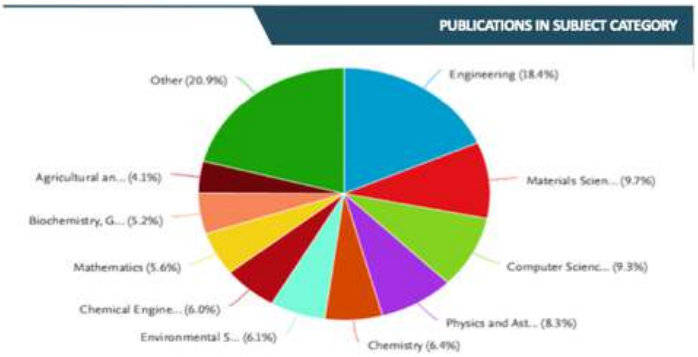



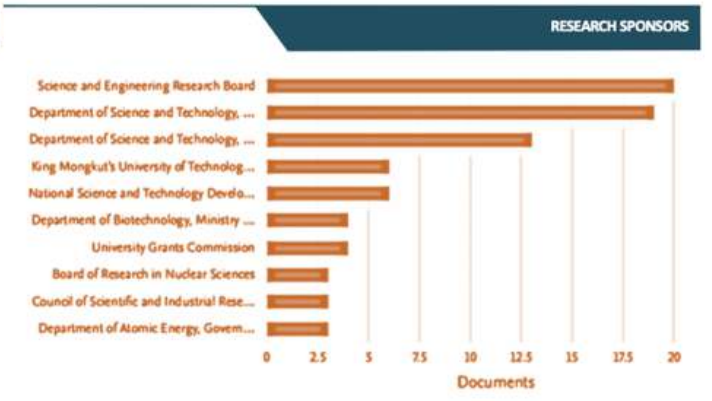


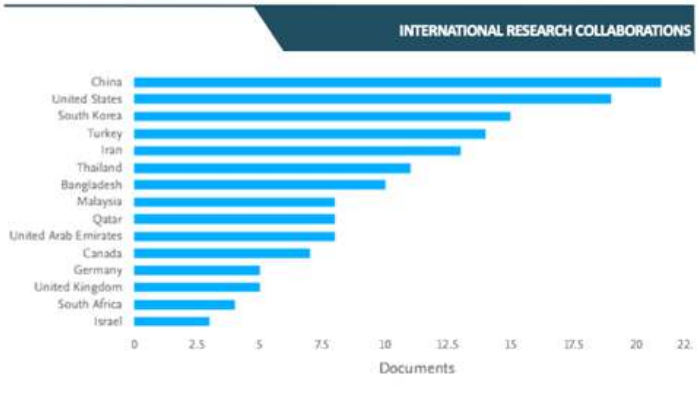

**Source: *SCOPUS***





**Source: *SCOPUS***