






## Research Insights @ RUAS

Office of Research and Innovation



July 2025  
Issue 3

### Spotlight:

 Publications | 
  Patents  
 Grants Submitted  
 MoUs Signed | 
  Awards Received

### PATENTS

JAN-MAY		JUNE	JULY
Filed	12	1	-
Published	1	-	-
Granted	6	2	2

\*Courtesy: OMS patents database

### PUBLICATIONS

JAN-MAY		JUNE	JULY
Scopus	177	11	29
WOS	48	3	11
UGC-Care	87	33	59
Total	659	67	99
Google Scholar	150	67	86
Citations	29256	33936	34060
h-index	59	64	70

\* Researgence 2.0 reports

### EXTRA-MURAL GRANTS

Faculty	Jan-Mar	In Lakhs	April	In Lakhs	May	In Lakhs	June	In Lakhs	July	In Lakhs
FDS	5	380.78	1	48.25	1	31.61	2	230.0	-	-
FLAHS	2	101	1	46.61	2	25.63	2	25.6	4	71.5
FNS	1	49.5	-	-	1	285.51	1	100.0	1	0.3
RCPT	3	212.61	-	-	-	-	-	-	-	-
ORI	5	272	1	100.00	1	229.64	-	-	-	-
RMC	7	236.89	-	-	3	14.95	-	-	-	-
ALC	1	10.00	-	-	-	-	-	-	-	-
FPH	2	69.09	-	-	-	-	-	-	-	-
FHMCT	2	28.97	-	-	-	-	-	-	-	-
SSS	-	-	-	-	2	42.27	1	207.0	3	294.1
FET	1	127.98	2	10	2	207.00	3	46.9	2	248.1
FMC	-	-	1	21.27	2	24.22	-	-	-	-
Total	29	1488.82	6	226.13	14	860.83	9	441.8	10	616.0

## Faculty Endeavours – July Edition

# Publications



**Dr. Boppuru Rudra Prathap** published papers titled: 1. IoT Based Emergency Vehicle Detection using YOLOv8 in the Journal of Automation, Mobile Robotics and Intelligent Systems. 2. Categorizing mental stress: A relative analysis of machine learning and deep learning models for multi-label, multi-class classification in the Natural Language Processing Journal. 3. Forecasting Flight Delays with a Multilayered Memory Fusion Network in the Procedia Computer Science. 4. Real-Time Safety Monitoring for Construction Sites Using RFID and Visual Recognition Technologies in the 1st International Conference on AIML-Applications for Engineering & Technology (ICAET).



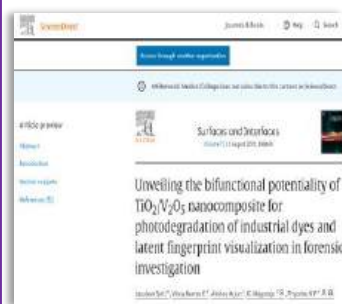
**Tasnim Jahan and Shashikant Saurav** published book chapter titled "Homogenizing traditional knowledge and biodiversity conservation: A study intersecting IP rights and sustainable development".



**Sahana Prabhu Shankar** published papers titled: 1. Zenify.me—Your AI Companion for a Happier, Healthier You in the Advances in Data science & Artificial intelligence, Springer Nature. 2. Sentinel Watch: Monitoring Geolocation of Worldwide RDP Brute Force Attacks in Real Time in the Advances in Communications & Applications, Springer Nature.



**Ms. Lasubon Syrti, Vinay Kumar, Akshay Arjun, G. Nagaraju and Dr. Priyanka K. P.** published paper titled: Unveiling the bifunctional potentiality of  $\text{TiO}_2/\text{V}_2\text{O}_5$  nanocomposite for photodegradation of industrial dyes and latent fingerprint visualization in forensic investigation, Elsevier.







**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES



## Achievements / Events



**Dr. Nageshwara Guptha M** has participated as the Guest of Honour, the exhibition of his innovation, and the receipt of the Best IP Researcher Award at three prestigious events organized by M/s Wegrow Pvt. Limited and associated institutions in Mumbai, Maharashtra, from 11th to 13th July 2025. These events focused on fostering innovation, intellectual property rights (IPR), and research excellence, aligning with the global movement to promote creativity and intellectual advancement.

**Dr. Shwetha K B and Dr. Prabadevi B** had applied for ATAL application for the Online Faculty Development Program on "1749395195 : Convergence of Quantum Computing and Generative AI for Frontier-Scale Revolution" has been approved by AICTE.



**ATAL** Sponsored 3 days Faculty Development Program on *"Uniting for the Planet: Strategies for Sustainable Energy and Climate Resilience,"* which was held from 21st to 23rd July 2025 at RTC Campus, Peenya.

MSRUAS in association with the Catalysis Society of India (CSI) and the Materials Research Society of India (MRSI), Bangalore organized **3rd International Conference on Advances in Materials Sciences and Technology (ICAMST-2025)** which was held on 24<sup>th</sup> July 2025 to 26<sup>th</sup> July 2025 @ RTC Campus, Peenya.

**AICTE - Training & Learning (ATAL) Academy**

AICTE Training and Learning (ATAL) is established with vision to empower the faculty to achieve goals of Higher Education such as access, equity and quality.

AICTE is committed for the development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Education. As per the council, it is need of the day to train the young generation in skill sector and faculty & technicians in their respective disciplines.

**Advisory Committee Members**

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**ATAL**

**AICTE - Training & Learning (ATAL) Academy Sponsored**

Three days Faculty Development Program

On

**Uniting for the Planet: Strategies for Sustainable Energy and Climate Resilience**

**21<sup>st</sup> - 23<sup>rd</sup> July, 2025**

**RAMAIAH UNIVERSITY**  
OF APPLIED SCIENCES

Organized by  
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Prof. Rudrap Kumar Raha, Vice-Chancellor, RUAS, Bangalore

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**CALL FOR PAPERS**

Authors are encouraged to submit abstracts of their original research in the specified format provided in the conference website. All submitted abstracts will undergo peer review by subject experts. Authors in accepted abstracts will have to submit the full paper for publication in the conference proceedings. The full paper should be submitted in a word format of Microsoft Word or PDF format. The full paper should be submitted in a word format of Microsoft Word or PDF format. The full paper should be submitted in a word format of Microsoft Word or PDF format.

**KEY DATES**

Abstract Submission Start Date: 1<sup>st</sup> Feb 2025  
Abstract Submission End Date: 30<sup>th</sup> June 2025  
Acceptance of Abstracts: 01<sup>st</sup> July 2025  
Registration: 01<sup>st</sup> July 2025  
Conference Dates: 24<sup>th</sup> July to 26<sup>th</sup> July 2025

**REGISTRATION FEES**

Registration Fee: Rs. 1000  
Travel Allowance: Rs. 5000  
Food Allowance: Rs. 1000  
Accommodation: Rs. 1000  
Registration Fee: Rs. 1000

**CONFERENCE WEBSITE**

[www.icamst2025.in](http://www.icamst2025.in)

**CONTACT**

Email: [icamst2025@ruas.ac.in](mailto:icamst2025@ruas.ac.in)

**ORGANISING COMMITTEE**

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Dr. Narasimha Reddy S., Professor, Dept. of Mechanical Engineering, NITK, Surathkal, Karnataka  
Dr. U.S. Muthukrishnan, Professor, Dept. of Mechanical Engineering, SIT Tumkur, Karnataka  
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**3<sup>rd</sup> International Conference on ADVANCES IN MATERIALS SCIENCE & TECHNOLOGY (ICAMST-2025)**

July 24-26, 2025

M.S. Ramiah University of Applied Sciences, Bangalore, India

VC's strategic meet with **Active Researchers** on RUAS research roadmap on 9<sup>th</sup> July 2025 at GG campus.



## Grants At a Glance

### Key Highlights – June 2025

A total of 11 grant proposals were submitted to funding agencies such as ANRF, AICTE, Azim Premji Foundation, RSTMH, and USIEF.

- Dr. Ashmitha K Shetty (FDS): Dr. Roopa S Rao (FDS), and Dr. G.P. Darshan (FNS): Submitted to ANRF-ARG
- Dr. Swathi Prasad (FET): Submitted two proposals under AICTE-RPS scheme
- Mr. Avinash V Prabhu (FLAHS): Applied to RSTMH Early Career Grants and Azim Premji Health Research
- Dr. Shwetha K.M. and Dr. Aishwarya (FDS & SSS): *Health-focused proposals* to Azim Premji Foundation
- Dr. Aradhana Talwar and Team (SSS): Fulbright Specialist Programme | USIEF

### Key Highlights – July 2025

A total of 10 proposals were submitted under prestigious funding schemes such as ANRF-ARG, ANRF-MATRICS, and DST-AMT, covering domains from AI in healthcare to advanced manufacturing and biomedical research.

- Dr. K. Prashanthi (FLAHS): *Development of Humanized Monoclonal Antibodies Targeting Nipah Virus Entry* | ANRF-ARG
- Dr. Rema V (SSS): *AI-based Curriculum in Higher Education* | ANRF-ARG
- Dr. Rahul M. Cadambi (FET): *Smart Composites & Cyber Physical Systems* | ANRF & DST-AMT
- Dr. Swati Sinha (FLAHS): *Ferroptosis Regulators in Glioblastoma* | ANRF-ARG
- Dr. Sudharsana V Iyengar (SSS): *Explainable AI for Glaucoma Prediction & AI-Based Cervical Cancer Screening Trials* | ANRF-ARG
- Dr. Lokesh A C (FLAHS): *Valorization of Underutilized Fruits* | ANRF-ARG
- Dr. Archan Mukhopadhyay (FNS): *Topology Optimization for Collective Information* | ANRF-ARG

## Grand Total for June & July 2025

Number of Proposals Submitted: 20

Cumulative Grant Value: 75,711,652 Crores across two months.

S.No.	Faculty	Grants Applied in June 2025	Amount in Lakhs
1	FET	3	52.7
2	FDS	3	36.7
3	FNS	1	6.7
4	SSS	1	42.3
5	FLAHS	2	2.2
Total Grants/Amount		10	140.5
S.No.	Faculty	Grants Applied in July 2025	Amount in Lakhs
1	FET	2	248.1
3	FNS	1	0.3
4	SSS	3	294.1
5	FLAHS	4	71.5
Total Grants/Amount		10	616.7