

## Research Insights @ RUAS

*Office of Research and Innovation*



*May 2026  
Issue 13*

| PATENTS - 2026                  |    |
|---------------------------------|----|
| JAN - MAY                       |    |
| Filed                           | 15 |
| Published                       | 2  |
| Granted                         | 7  |
| *Courtesy: OMS Patents Database |    |

| PUBLICATIONS - 2026        |       |
|----------------------------|-------|
| JAN - MAY                  |       |
| Scopus                     | 150   |
| Total                      | 258   |
| Google Scholar             | 212   |
| Citations                  | 54251 |
| h-index                    | 75    |
| * Researegence 2.0 reports |       |

| EXTRA-MURAL GRANTS APPLIED - 2026 |         |          |
|-----------------------------------|---------|----------|
| Faculty                           | Jan-May | In Lakhs |
| RINER                             | 5       | 234.31   |
| FDS                               | 5       | 296.90   |
| FLAHS                             | 9       | 636.08   |
| FNS                               | -       | -        |
| RCPT                              | -       | -        |
| ORI                               | -       | -        |
| RMC                               | 2       | 203.00   |
| ALC                               | -       | -        |
| FPH                               | 10      | 833.45   |
| FHMCT                             | -       | -        |
| SSS                               | -       | -        |
| FET                               | 4       | 117.15   |
| FMC                               | 1       | 0.01     |

## ACADEMIC EVENTS/ACHEIVEMENTS

RUAS has been ranked 1st in Karnataka, 1st in the South Zone, and 4th in India among Emerging Multidisciplinary Universities in the THE WEEK–HANSA RESEARCH Rankings 2026. This achievement reflects the University's commitment to academic excellence, research, innovation, and student success. Congratulations to the entire RUAS community for this remarkable accomplishment and for contributing to the growing national recognition of the University.



RUAS celebrated IP Day on 21 May 2026 with the release of the Book of Patents 2025–26 by Hon'ble Vice Chancellor Prof. K. K. Raina. Certificates of appreciation were presented to inventors in recognition of their patent achievements. The Chief Guest, Dr. Vivek Anand Sagar, delivered a talk on the importance of patents and their commercialization. The event highlighted RUAS's commitment to fostering innovation, intellectual property awareness, and research excellence.

We are pleased to share that Ms. Rajasi Das, SRF and Ph.D. Research Scholar from the Department of Fashion Design, Faculty of Art & Design, RUAS, has been honored with the AATCC Student Chapter Award. The award recognizes her active contributions as a founding member of the student chapter and her participation in the collaborative Miraki Fashion Show, where she showcased innovative saree designs incorporating orange peel and silk fabrics with traditional Durga motifs.



## ACADEMIC EVENTS/ACHEIVEMENTS



Dr. Mamatha G. Hegde, HoD, Department of Fashion Design, Faculty of Art & Design, RUAS, was honored with the National Laureate Award on 23 May 2026 at the Education Leadership Conclave – University Summit Bangalore 2026, organized by PI Media Solutions. The award recognizes her outstanding contributions to academic leadership and excellence in higher education.

Mr. Nagarjuna P, MBA student from the Faculty of Management and Commerce, RUAS, was recognized as the Best Youth Parliamentarian at the Bengaluru Student Youth Parliament. He also secured the 1st Place Shield and was elected as the Honorable Speaker of the House, successfully leading the legislative proceedings.



We are proud to share that M. S. Ramaiah University of Applied Sciences (MSRUAS) has secured notable positions in the IIRF Rankings 2026 across multiple categories. This achievement reflects the collective dedication of our faculty, staff, students, alumni, and leadership towards academic excellence, research, innovation, and industry engagement. Congratulations to the entire RUAS community on this remarkable accomplishment.

## ACADEMIC EVENTS/ACHEIVEMENTS

The Indian Knowledge System (IKS) Chapter, RUAS – भारतीय पारंपरिक ज्ञान विज्ञान समाज was inaugurated on 13 May 2026 at RTC Campus, RUAS. The event featured an inspiring inaugural address by Dr. Venugopal K.R. and the presence of Dr. Satish Gowda, Dean, Faculty of Law, Bangalore University, as Guest of Honour. The chapter aims to promote awareness, preservation, and application of India's rich traditional knowledge systems in alignment with the objectives of NEP 2020, fostering a deeper understanding of the nation's intellectual, philosophical, and cultural heritage among students and faculty.



The RUAS Arthabodha Economics Club organized a webinar on "Everyone's Spiritual Entrepreneurship – Building Successful Businesses with Ethics and Inner Awareness" on 14 May 2026. The session, delivered by Prof. Bruce Korber, Author and Consultant, explored the role of ethics, mindfulness, and spiritual values in entrepreneurship, emphasizing conscious leadership and sustainable business practices.

The RUAS Arthabodha Economics Club organized a webinar on "Entrepreneurship: From Ideas to Execution" on 18 May 2026. The session was delivered by Mr. Sagar Mahapatra, a development and entrepreneurship professional, who shared practical insights on innovation, startup development, leadership, and transforming ideas into sustainable ventures. The webinar provided valuable guidance to students and aspiring entrepreneurs on building impactful and purpose-driven enterprises.



The School of Law, RUAS, successfully organized the National Moot Court Competition 2026, providing a platform for students to showcase their legal research, advocacy, and courtroom skills. The event was inaugurated by Shri K. H. Muniyappa, Hon'ble Minister, and featured rigorous rounds judged by eminent academicians, industry experts, and a retired High Court Judge. The competition highlighted the School's commitment to experiential legal education and professional excellence.

## ACADEMIC EVENTS/ACHIEVEMENTS

Faculty of Management and Commerce (FMC), RUAS, co-hosted the *International Conference on Innovation and Entrepreneurship for Deep-Tech Startups: Role of Entrepreneurial Universities* from 20–22 May 2026 at IISc, Bengaluru, in collaboration with the Department of Management Studies, IISc, and Adelaide University, Australia. The conference witnessed active participation and paper presentations from the Faculty of Engineering and Technology (FET), Faculty of Design (FDS), and FMC, marking the third consecutive FMC conference organized in partnership with IISc.



**Faculty of Management & Commerce is Co-Hosting**  
International Conference on  
**Innovation and Entrepreneurship for Deep-Tech Startups: Role of Entrepreneurial Universities**  
In collaboration with  
 Adelaide University

Venue: JN TATA Auditorium, IISc, Bangalore | Date: 20 to 22 May 2026 | Time: 9:00 AM to 6:00 PM

**Sponsored by**  


**Associate Sponsors**  




**WORKSHOP ON**  
**RAISING CAPITAL AND FINANCE MANAGEMENT FOR START-UPS**  
GROW YOUR BUSINESS WITH US

**SHANKAR A**  
BUSINESS COACH AND FINANCIAL CONSULTANT,  
CO-FOUNDER & CEO OF RIGHT EDGE LEARNING SOLUTIONS

**DR. GURUMURTHY HEGDE**  
MSC, PHD, DIRECTOR AND CEO - ADMINISTECH PVT LTD, BENGALURU

**SPOC**  
Dr. Rashmi B J - 8867509861

Date: 22<sup>nd</sup> May 2026  
Time: 10:00 AM  
Venue: A 206, RTC, Peenya

The Institution's Innovation Council (IIC) and the Department of Chemistry, RUAS, organized a workshop on "Raising Capital and Finance Management for Start-Ups" on 22 May 2026. The session provided valuable insights into startup financing, fundraising strategies, and financial management, helping students and aspiring entrepreneurs understand investment readiness and business growth. The workshop was conducted by industry experts Dr. Gurumurthy Hegde and Mr. Shankar A, fostering entrepreneurial awareness and innovation-driven learning among participants.

The Department of Chemistry, Faculty of Natural Sciences, RUAS, organized a guest lecture on "Crafting New Medicines: The Role of Chemistry in Drug Discovery" on 25 May 2026. The session was delivered by Dr. Gururaj M. Shivashimpi, Founder and CEO, SudhiShubha ChemSynthons LLP, Bengaluru. The lecture provided insights into drug discovery and development, the role of chemistry in modern medicine, pharmaceutical research, API development, and career opportunities in the pharmaceutical industry, benefiting students, researchers, and faculty members.



**RAMAIAH UNIVERSITY OF APPLIED SCIENCES**  
**Faculty of Natural Sciences**  
**Department of Chemistry**

*Cordially Invite you to attend Guest Lecture on*  
**"Crafting New Medicines: The Role of Chemistry in Drug Discovery"**  
Will be Delivered by  
**Dr. Gururaj M. Shivashimpi**  
Founder and CEO  
SudhiShubha ChemSynthons LLP  
Bangalore



## ACADEMIC EVENTS/FACULTY ACHEIVEMENTS

LEADS Next Gen Centre, RUAS, in collaboration with IEEE RUAS Student Branch and the Institution's Innovation Council (IIC), organized Catalyst Talk 7.0 on 8 May 2026. The session featured Prof. Udaya Raghunath Birje, who delivered an inspiring talk on "*Catalysing Innovation and Leadership for Viksit Bharat*," encouraging students and faculty to contribute towards nation-building through innovation, entrepreneurship, and transformative leadership.



Ramaiah Technology Campus celebrated National Technology Day 2026 on 11 May 2026, bringing together eminent scientists, industry leaders, and innovators. The event featured keynote addresses, expert talks, technology demonstrations, and interactive sessions, fostering innovation, technological awareness, and industry-academia engagement among students and faculty.

As part of Work-Life Balance Week (4–8 May 2026), interactive sessions on Work-Life Balance were conducted for second-year B.Tech students. The sessions focused on time management, stress management, effective communication, self-care, and overall well-being, encouraging students to adopt mindful practices for a balanced and productive academic life. The initiative witnessed enthusiastic participation and meaningful engagement from students.



# ACADEMIC EVENTS/FACULTY ACHEIVEMENTS



Organised by Department of Computer Science and Engineering and  
**ComputeX**  
Mathematics and Computing Club

## Silicon Venture AI: From Chip to CEO

**EVENT HIGHLIGHTS**

- Badging ceremony for the new members of ComputeX 2026-27
- Felicitation for members of ComputeX 2025-26
- Session on "Software-Hardware-Data Synergy - An Exciting Tandav of the AI era"
- Hands on session on "AI as your Entrepreneurial Edge"

**Date:** 19<sup>th</sup> May, 2026  
**Time:** 11:30 AM onwards  
**Venue:** A-404, RTC

**Chief Guest**  
**Mr. Lakshmanan Balasubramanian**  
Senior Member IEEE,  
ExecComm member, IEEE CEDA  
Bangalore Chapter  
E&S Technology & SMTS at Texas Instruments

**Resource Person**  
**Mr. Daniel Madapur**  
Entrepreneur,  
Ecosystem Builder,  
Author,  
Founder of 'The Edge Ventures'

The Department of Computer Science and Engineering, in association with ComputeX – Mathematics and Computing Club and IEEE Student Branch, RUAS, inaugurated the RUAS IEEE CEDA Student Branch Chapter on 19 May 2026. The event featured expert sessions on artificial intelligence, EDA entrepreneurship, and technology innovation, along with a hands-on workshop, networking opportunities, and the recognition of ComputeX club members, fostering industry-academia engagement and technological learning.

RUAS organized a Meet and Greet Session with Active Researchers on 20 May 2026, providing an opportunity for researchers across the University to interact with the Hon'ble Vice-Chancellor. The session facilitated discussions on ongoing research activities, future initiatives, and strategies to strengthen the research ecosystem at RUAS, fostering greater academic engagement and collaboration.




Department of Electrical Engineering, IIC RUAS and IEEE Student Branch RUAS are organizing a  
**Tech Talk**  
on  
**MANUFACTURING TECHNOLOGIES OF SILICON SOLAR CELLS – PROCESSES, INNOVATIONS, AND INDUSTRIAL PERSPECTIVES**

**15 MAY 2026**  
**10:30 – 11:30 AM**  
**A206, RTC, PEENYA**

**SPEAKER:**  
**DR SARAVANAN SOMASUNDARAM**  
DGM - CELL AND MODULE  
MANUFACTURING PROCES  
EMMVEE GROUP

The Department of Electrical Engineering, in association with IIC RUAS and IEEE Student Branch RUAS, organized a Tech Talk on "Manufacturing Technologies of Silicon Solar Cells – Processes, Innovations, and Industrial Perspectives" on 15 May 2026. Delivered by Dr. Saravanan Somasundaram from EMMVEE Group, the session provided students with valuable insights into advancements, manufacturing processes, and industrial practices in solar cell technology and renewable energy systems.



## ACADEMIC EVENTS/ACHIEVEMENTS

Dr. M. Mohamed Shabi participated in the session “Advancing Lung Cancer Care: Clinical Perspectives on Lung Cancer and Evolving Treatment Paradigms” organized by the International Association for Integrated Oncology (IAIO) on 11 March 2026. The webinar highlighted recent advances and evolving treatment strategies in lung cancer management.

Dr. M. Mohamed Shabi participated the IAIO Expert Insights seminar on Lung Cancer held on 13 March 2026. The session provided valuable insights into immunotherapy, targeted therapy, and clinical decision-making in the management of non-small cell lung cancer (NSCLC).

Dr. M. Mohamed Shabi participated in a JoVE seminar held on 19 March 2026. The session featured Dr. Donald E. Ingber, Judah Folkman Professor of Vascular Biology at Harvard Medical School, who shared insights on the use of video articles to enhance research visibility, improve reproducibility, and effectively communicate complex experimental methodologies. The webinar also highlighted the role of visual publications in increasing the impact and accessibility of scientific research.

Dr. M. Mohamed Shabi participated in the Virtual Cell Cycle Club Meeting held on 26 March 2026. The international scientific forum featured a keynote lecture by Prof. Scott Keeney (Memorial Sloan Kettering Cancer Center, USA) and provided participants with an opportunity to engage in discussions on emerging advances in cell cycle regulation, cancer biology, and related biomedical research.

Dr. M. Mohamed Shabi participated in the online session titled “Target-Based Drug Discovery: From Receptor Identification to Lead Optimization” held on 30 April 2026. The session provided insights into the drug discovery process, covering target identification, receptor validation, lead compound optimization, and contemporary approaches in pharmaceutical research and development.

Dr. M. Mohamed Shabi, Assistant Professor, Faculty of Pharmacy, received a Certificate of Recognition for the innovation titled “Portable Triple-Action Ear Cleaning Device” (UK Patent No. 6483864) on 21 May 2026 during RUAS IP Day. The recognition was awarded for exemplary innovation and contribution to intellectual property development at Ramaiah University of Applied Sciences, Bengaluru.

Dr. M. Mohamed Shabi also received a Certificate of Recognition for the innovation titled “AI-Based Rotarod Laboratory Apparatus for Monitoring Neurodegenerative Activity in Mice” (UK Patent No. 6441486) on 21 May 2026 during RUAS IP Day. This recognition acknowledges his outstanding contribution to innovation and intellectual property development at Ramaiah University of Applied Sciences, Bengaluru., India.

Dr. M. Mohamed Shabi, Assistant Professor, Faculty of Pharmacy, Ramaiah University of Applied Sciences, Bengaluru, was awarded a prestigious Certificate of Appreciation in recognition of his exemplary service and leadership. As the Coordinator of Service to Society, he successfully organized and led two major outreach initiatives in commemoration of National Pharmacy Education Day on 26 March 2026, demonstrating his commitment to community engagement and professional excellence.

Dr. M. Mohamed Shabi, Assistant Professor, Faculty of Pharmacy, participated in the Executive Hands-on Practice Workshop on “Artificial Intelligence Tools for Scientific Figure/Picture Making” held on 10 March 2026. The workshop provided practical training in the use of advanced AI tools for creating high-quality scientific figures, graphical abstracts, and publication-ready visual content for research and academic communication.

## Publications • Patents • Collaborations • Grants

Mohamed Shabi, M. co-authored the research publication titled *"Anticonvulsant Potential and Network Pharmacology Analysis of Pimenta dioica (L.) Merr"* in Chemistry & Biodiversity (Wiley), Volume 23, Issue 5. The journal is indexed in PubMed, classified as Q2, and has an Impact Factor of 2.5.

Mohamed Shabi, M. co-authored the article *"Immunotherapeutic Advances in Alzheimer's Disease: The Convergence of Vaccinology and Nanoscience"* published in Current Alzheimer Research (Bentham Science), Volume 23. The journal is classified as Q3 with an Impact Factor of 1.9 (5-year IF: 2.6).

Dr. M. Mohamed Shabi co-authored a scholarly book chapter titled *"LIFESTYLE INTERVENTIONS AND PHARMACOLOGICAL APPROACHES IN POLYCYSTIC OVARY SYNDROME (PCOS)"*. The chapter has been published in the peer-reviewed edited book titled Research Advances in Life Sciences (ISBN: 978-93-47587-27-6).

Dr. M. Mohamed Shabi Successfully secured a seed funding grant of Rs. 6 Lakhs from the Ramaiah Institute of Technology for the project titled *"Identification of clinically relevant novel miRNA biomarkers and development of efficient Nano-phytoextract-based therapeutics for ulcerative colitis and colitis-associated cancer: in-vitro and in-vivo study"* (Ref: MSRIT/Admin/4020/25-26). Collaborating as a Co-Principal Investigator to develop targeted nano-therapeutics and evaluate *in-vitro/in-vivo* biomedical prototypes. (Study Duration: 2026 – 2027)

A research project supported under the RUAS Seed Money initiative has resulted in a publication in the Q1 journal, Electric Power Systems Research (Elsevier). The paper, titled *"Black Hole Optimization-Based MPPT for a High-Gain Converter Integrated Fuel Cell Power Conversion System,"* was authored by Mr. Praveen Kumar Varanasi and Dr. Sulake Nagaraja Rao. The work was carried out as part of Mr. Praveen Kumar Varanasi's Ph.D. research and reflects the successful outcome of the Seed Money grant sanctioned in 2024.

Dr. S.R. Ashokkumar has published a research article titled *"Strengthening Network Security with Advanced Defense Strategies for Robust Protection Against DoS Attacks in Complex Environments"* in Array (Elsevier), a Q1 journal with an Impact Factor of 4.5.

Cu-substitution as an efficient way of synergistically inducing catalytic activity in soft magnetic  $Y_3Fe_5O_{12}$ : Nitrophenol Reduction published in the *Journal of Environmental Chemical Engineering* (Elsevier), a Q1 journal with an Impact Factor of 7.2.

Impact of  $Mg^{2+}$  and  $Zn^{2+}$  substitution on the structure, magnetic anisotropy and magnetostriction of  $NiFe_2O_4$  published in *Journal of Materials Chemistry C* (Royal Society of Chemistry), a Q1 journal with an Impact Factor of 5.2.

Temperature-driven evolution of charge transport and relaxation dynamics in  $Ni_{0.5}Co_{0.5}Fe_2O_4$  spinel ferrite published in the *Journal of Alloys and Compounds* (Elsevier), a Q1 journal with an Impact Factor of 6.3.

Ms. Sandhya Anil Kumar, Assistant Professor & HOD, Faculty of Hospitality Management and Catering Technology, has been granted an Indian Patent (Patent No. 558550) for her invention, "INTELLIGENT DUSTBIN." This achievement highlights her commitment to innovation and research excellence.

Dr. Moushumi Banerjee, Assistant Professor, Faculty of Hospitality Management and Catering Technology, has been granted a UK Design Registration (Design No. 6484921) by the Intellectual Property Office, United Kingdom, for the design titled *"AI-Driven Remote-Control Device for a Robot."* This international recognition highlights innovation in smart automation and reflects the growing global research and design contributions of the faculty.

Ms. Pratisha Baruah, Assistant Professor & HOD, Front Office, Faculty of Hotel Management and Catering Technology, RUAS, has published the first article from her doctoral research in the Q1 journal *Teaching in Higher Education* (Taylor & Francis). The study, titled *"Understanding Epistemic Empathy in Social Science Classrooms: Students' Reflections and Pedagogical Insights in Higher Education,"* explores the role of epistemic empathy in fostering inclusive, student-centered learning and highlights the importance of culturally responsive teaching and meaningful classroom engagement.

## STUDENT ACHEIVEMENTS

The Department of Pharmacy Practice, Faculty of Pharmacy, MSRUAS, has received approval to establish a Student Chapter of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR). This recognition strengthens the University's presence in health economics, outcomes research, and evidence-based healthcare, while creating opportunities for student engagement, collaborative research, professional networking, and participation in global initiatives.

### **Team ORI**

Dr. B. S. Nanda Kumar  
Dr. T. Niranjana. Prabhu  
Dr. Anu Krishnan  
Dr. Sowmya Hegde  
Mr. Hari Prasad  
Mr. Thulasiram. M. A  
Mrs. Mahalakshmi



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Thank You for Reading Our Newsletter

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