

# A Scientific Index 2021

AD Scientific News 06 country, 709.018 scientists Top 10.000 Reports: World, Asia, Africa, Eur



## World Scientist and University Engineering & Technology / Aerospace Engineering Rankings 2021

World **Country** Africa Asia Europe North America Latin America  
 Oceania Arab League EECA BRICS USAN COMESA

Agriculture & Forestry Arts, Design and Architecture Business & Management  
 Economics & Econometrics Education Engineering & Technology  
 History, Philosophy, Theology Law / Law and Legal Studies Medical and Health Sciences  
 Natural Sciences Social Sciences Others

Saibal Ray

Total 5 scientist  List without CERN etc (In Progress)

AD Scientific Index - Scientist Rankings - 2021							
University	Country	Region	World	Name	Country	University	Subject
10	1300	10386	76138	Saibal Ray	India	Inter-University Centre for Astronomy and Astrophysics	Engineering & Technology / Aerospace Engineering Astronomy Astrophysics Cosmology History & Philosophy of science

## A Scientific Index 2021

Universiti	Country	Region	World	Name	Country	University	Subject
67	4347	31172	190482	Yoichi Asaoka 浅岡陽一	Japan	Waseda University	Engineering & Technology / Aerospace Engineering astroparticle physics cosmic-ray physics
5	4005	32107	196017	PC Agrawal	India	Centre for Excellence in Basic Sciences	Engineering & Technology / Aerospace Engineering Astronomy and Astrophysics X-ray Astronomy Instruments and Detectors
356	8856	76209	386027	Kumiko Morihana	Japan	Nagoya University	Engineering & Technology / Aerospace Engineering Astrophysics Optical and NIR astronomy X-ray astronomy
91	124625	146471	398278	Eric Cramer	United States	Florida Institute of Technology	Engineering & Technology / Aerospace Engineering Lightning Initiation Terrestrial Gamma-ray Flashes Runaway Electrons



The only address that shows your general and branch ranking in the World, Region, Country and University. Your rankings will be published in a few days.

[Click to add your profile](#)

Share

Share

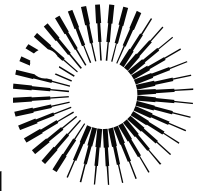
Tweet

Email

Share

© 2021 "AD Scientific Index Ltd." World Scientist and University Rankings 2021, All rights reserved

Add Profile - Edit Form Red List Contact



Royal  
Astronomical  
Society

Dear Fellow,

Welcome to the Society. A Letter of Election signed by the senior secretary, Dr Mandy Bailey, will be sent separately. The following documents are attached to the email.

- New member's 2021 subscription form; please complete and return this form, making sure that you sign the formal Form of Obligation to the Royal Astronomical Society on page 3.
- Direct debit mandate; if you have a UK bank account please consider paying by this efficient method. We cannot accept scanned and emailed copies of this form as the bank requires the original to set up the direct debit.

Other notes

- Students **must** get the student declaration on page 3 signed and stamped by their university to be eligible for the student rate for 2021.
- The Bye-Laws and Charter of the Society can be found at <http://ras.ac.uk/about-the-ras/bye-laws> & <http://ras.ac.uk/about-the-ras/198/238-the-charter-of-the-royal-astronomical-society>.
- Once your fees have been paid a personalised membership card will be ordered and sent to you directly from the printers so please ensure you inform us of any address changes.

I hope that you find these documents clear and comprehensive, but please let me know if you have any queries.

Yours faithfully,

Annie Hogan  
Memberships Officer

Burlington House  
Piccadilly  
London W1J 0BQ  
+44 (0)20 7734 4582  
[www.ras.ac.uk](http://www.ras.ac.uk)



अंतर-विश्वविद्यालय केंद्र : खगोलविज्ञान और खगोलभौतिकी

IUCAA

**Inter-University Centre For Astronomy And Astrophysics**

An Autonomous Institution of the University Grants Commission

Prof. Kandaswamy Subramanian  
Dean, Visitor Academic Programmes

September 11, 2020.

**By Speed-Post**

**Dr. Saibal Ray**  
Department of Physics  
Government College of Engineering & Ceramic Technology,  
**West Bengal - 700 010**

Dear Dr. Ray,

I am very happy to inform you that your term of Visiting Associateship at IUCAA has been extended for a further period of **three years with effect from August 1, 2020**. We hope that this will enable you to continue to make good use of our facilities through your next term, and that your visits to IUCAA will prove to be very productive.

I am enclosing along with this letter of invitation (1) a copy of the letter I have sent to the Principal of your College, explaining the programme and requesting him/her to treat your visits to IUCAA under this programme as "on duty", (2) a copy of a letter sent in September 2, 2004 to the Vice-Chancellors of different universities by Professor Arun Nigavekar, the then Chairman of the University Grants Commission (UGC). You may use these letters when you apply for leave for visits to IUCAA, if you find that necessary.

I shall look forward to your response to this letter of invitation and hope that IUCAA will benefit from your regular visits, participation and advice. The Terms and Conditions of the Associateship Programme are also enclosed along with this letter.

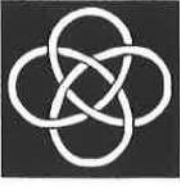
With kind regards,

Sincerely,

*Kandaswamy Subramanian*

Professor Kandaswamy Subramanian

**Encl** : (1) Copy of the letter sent to the Principal of your College; (2) Copy of letter sent by UGC;  
(3) Terms and Conditions of the Associateship Programme.



अंतर-विश्वविद्यालय केंद्र : खगोलविज्ञान और खगोलभौतिकी

IUCAA

**Inter-University Centre For Astronomy And Astrophysics**

An Autonomous Institution of the University Grants Commission

Prof. Kandaswamy Subramanian

Dean, Visitor Academic Programmes

September 11, 2020

**The Principal,**

Government College of Engineering & Ceramic Technology

73, Abinash Chandra Banerjee Lane, Kolkata,

West Bengal-700010.

Dear Sir / Madam,

As you are aware, the Inter-University Centre for Astronomy and Astrophysics (IUCAA) has been set up by the University Grants Commission (UGC) to promote and nucleate astronomy and astrophysics in the universities and affiliated colleges. To this end, IUCAA has launched a number of programmes on its campus at Pune and also on the campuses of various universities and colleges. In particular, arrangements have been made to facilitate the usage by interested students and faculty of universities and colleges of centralized facilities at Pune, such as an advanced Computer Centre with High Performance Computing facility, a state-of-the-art library, the Instrumentation Laboratory and observational facilities including the South African Large Telescope (SALT) at Sutherland. IUCAA is also involved in a number of large projects of national and international importance like ASTROSAT, LIGO-India, the Thirty Metre Telescope, etc.

One major activity in this context is the **Associateship Programme**. Under this programme, faculty members of universities and colleges, who are made **Visiting Associates of IUCAA**, can make visits to IUCAA for specified periods to participate in the teaching and research and development activities in astronomy and astrophysics. For such purposes, the universities and colleges are encouraged to regard IUCAA as their field station, whose facilities are at their disposal. Indeed, Professor Arun Nigavekar, the then Chairman of the UGC, has written in 2004 to all the university Vice-Chancellors urging them to look upon IUCAA in this spirit and to make it possible for the Visiting Associates to use its facilities to the maximum extent possible. I enclose for your ready reference a copy of this letter from the Chairman.

As part of the Associateship Programme, IUCAA has selected 18 new Visiting Associates this year and has extended the term of 50 Visiting Associates for a further period of three years. I am happy to inform you that **Dr. Saibal Ray** from your College has been selected a Visiting Associate for three years from August 1, 2020. Under the Associateship Programme, IUCAA will pay the travel and per diem of the Visiting Associates coming to IUCAA for their scientific work.

I do hope that you will encourage Dr. Ray to take advantage of this offer. I request you to treat Dr. Ray's stay at IUCAA as a part of his duties and to provide him with leave as "*on duty*" so that he can make good use of his Associateship. I enclose the Terms and Conditions of the Associateship Programme for your information.

With kind regards,

Sincerely,

*Kandaswamy Subramanian*

**Prof. Kandaswamy Subramanian**

Encl: (i) UGC Chairman's Letter. (ii) Terms and Conditions of Associateship Programme.

cc : Dr. Saibal Ray, Department of Physics, Government College of Engineering & Ceramic Technology, West Bengal.

**Mailing Address :** IUCAA, Post Bag 4, Ganeshkhind, Pune - 411 007, India.

**Location :** Meghnad Saha Road, Pune University Campus, Pune - 411 007.

**Phone :** +91 (20) 25604 100 • **Fax :** +91 (20) 25604 699

**E-mail :** kandu@iucaa.ernet.in • **URL :** http://www.iucaa.ernet.in/

डॉ. अरुण निगवेकर

अध्यक्ष

*Dr. Arun Nigavekar*

Chairman



विश्वविद्यालय अनुदान आयोग

बहादुर शाह ज़ाफर मार्ग, नई दिल्ली 110 002

UNIVERSITY GRANTS COMMISSION

BAHADUR SHAH ZAFAR MARG  
NEW DELHI - 110 002

OFF : (011) 23239628

: (011) 23221313

FAX : (011) 23231797

E-mail : narun42@hotmail.com

D.O. No. F.1-11/2004 (CM/IUC)

September 2, 2004

Dear

The University Grants Commission has set up a number of Inter-University Centres and Consortia in order to provide front line research and developmental facilities to the staff and students from universities and colleges in selected thrust areas. It is extremely important, therefore, that the prospective users of the Inter-University Centres are freely permitted to participate in their various programmes as if they are "on duty". In some universities, it is noted that the scholars' visits were not considered as on duty.

Amongst such Centres, the Inter-University Centre for Astronomy and Astrophysics (IUCAA) has an Associateship programme under which selected Associates from universities and colleges are invited to visit IUCAA as Associates of the Centre. Each Associate has a tenure of three years, which can be renewed depending on his/her performance, in teaching, research and developmental activities. It is understood that during these three years, the Associate visits IUCAA several times for visits of at least two weeks duration at a time, without compromising with his/her lecturing and other duties in the parent institution. Their visits are fully covered by IUCAA and hence has no financial implication to the university/college.

IUCAA has a number of facilities like an excellent Library, state of the art Computer Centre, Virtual Observatory as well as an Instrumentation Laboratory where the university staff members can make their own instruments as well as participate in collaborative instrumentation projects. As of now, IUCAA has over eighty Associates on its roll. In order to improve their efficiency, it is important that they are permitted to take advantage of these facilities as much as possible.

I, therefore, urge you to facilitate the participation of Associates from your Institution in the above programme by treating their leave of absence as on duty when they visit IUCAA, which is specifically created by the University Grants Commission as a common facility for all universities.

With kind regards,

Yours sincerely,

(Arun Nigavekar)

To the Vice Chancellors of 150 UGC Funded Universities

Copy to:

1. ✓ Prof. Naresh Dadhich, Director, Inter University Centre for Astronomy and Astrophysics, IUCAA, Post Box No. 4, Ganeshkhind Road, Pune - 411 007.
2. Dr. P. Prakash, JS (T/IUC), UGC, New Delhi.

## TERMS AND CONDITIONS OF IUCAA's ASSOCIATESHIP PROGRAMME

- Visiting Associateship is awarded to a faculty member of a college, university department or institution, which has the status of a university recognized by the UGC.
- Visiting Associateship is awarded for a period of three years at a time. If a Visiting Associate ceases to have a formal link with a college or university during the period of an Associateship, then the Associateship stands terminated. Information regarding such a change should be conveyed to the Dean, Visitor Academic Programmes.
- A Visiting Associate can visit IUCAA a maximum of three times as an Associate during each academic year, which extends from August 1 to July 31. There has to be at least one visit during each academic year.
- A visit under the Visiting Associateship programme has to be preferably at least of 15 days duration. A maximum of 150 days can be spent at IUCAA during any one academic year.
- During the three year period of a Visiting Associateship, there can be a maximum of six visits, totally to a maximum of 365 days.
- **Travel:** It is expected that journeys will generally be by air or rail or road by the direct shortest route. All Visiting Associates are entitled to travel by train AC-II tier. Travel reimbursement will only be to the extent of the actual class of travel upto AC-II tier. The claimant will have to produce to and fro tickets/copies of tickets.

Limited funds are available for air travel of Visiting Associates. Air travel may be permitted subject to the following conditions:

- (a) Grade Pay of the claimant is at least Rs. 5400/- or equivalent per month.
- (b) The claimant stays at IUCAA for a minimum of 15 days.
- (c) Air travel should be by Air India flights only as per GOI rules.

Even when these conditions are satisfied, **prior approval from the Dean, Visitor Academic Programmes** will have to be obtained. Air travel over special sectors, especially in the North-Eastern parts of the country, may be permitted even when the conditions (a) and (b) are not met. Details about this may be had from the Administrative Officer (Visitor Services). The air travel will have to be by the shortest direct route. Those who are not eligible for air travel can choose to travel by air with the understanding that they will be reimbursed only to the extent of eligible train fare or actual air fare, whichever is lower.

- **Daily Allowance (DA):** Visiting Associates are paid DA @ Rs. 600/- per day with free lodging. Charges for Canteen, Cable TV and cooking gas, wherever applicable, will be recovered.
- **Acknowledgement :** Visiting Associates should not give IUCAA as their affiliation. But those who use the IUCAA facilities for research work leading to publications should acknowledge IUCAA in their publication.
- **Accommodation :** We try to ensure that Visiting Associates are accommodated whenever they wish to visit IUCAA. However, there is very high demand during vacations, when most visitors like to come to IUCAA. All intending visitors are, therefore, urged to write to us about their plans for a stay at IUCAA at least two months in advance. This is particularly necessary for family accommodation, since the number of units, which can accommodate families is very limited. Please write to us well in advance with alternative dates and await confirmation from us. You will be guaranteed accommodation on arrival at IUCAA only if you have a word of confirmation sent by us.
- **Visit by research students of Visiting Associates:** The students should write to the Dean, Visitor Academic Programmes, along with a copy of their bio-data, proposed plan of work at IUCAA, and a recommendation by the concerned Visiting Associate.

At a given time, only one student of a Visiting Associate can visit IUCAA. It is not essential for the guide/the concerned Visiting Associate to be present at the time of a student's visit, except for students who are visiting for the first time.

The DA entitlement for research students (registered for M. Phil/Ph.D.) is Rs. 300/- per day with free lodging, and canteen will be charged. They are entitled to travel by train by AC Chair Car or AC –III tier by the direct shortest route. Travel by AC-II tier will be permitted only if the trains on the shortest route do not have any of the above classes. The tickets/copies of the tickets will have to be submitted with the claim. However, the following provisions apply:

**Research Students with fellowship:** Students with fellowship will have to pay for travel from their contingency grant. When such a grant is not available, they should write in advance to the Dean, Visitor Academic Programmes for travel reimbursement.

**Research Students without fellowship:** They will be paid for their travel and DA (with free lodging; canteen will be charged), for the full period of their stay. The guide of such students will have to submit a letter to the effect that the students do not have fellowship.

At the end of the visit, all students are required to submit a report to the Dean, Visitor Academic Programmes about the work done at IUCAA.

- **Canteen charges** at present are as follows :

Services	IUCAA members, Visiting Associates, Visiting Students and IUCAA Visitors	All others
Breakfast	Rs. 25.00	Rs. 60.00
Lunch	Rs. 39.00	Rs. 94.00
Dinner	Rs. 39.00	Rs. 94.00
Tea	Rs. 6.00	Rs. 14.00
Coffee	Rs. 6.00	Rs. 14.00

Family members of Visiting Associates will have to pay charges applicable to “All others” category.

- **Canteen Timings :**

Services	Timings	Venue
Breakfast	08:30 – 09:30 hrs.	Canteen
Morning Tea/Coffee	10:30 – 11:15 hrs.	Pantry (near Foucault’s Pendulum)
Lunch	13:00 – 14:00 hrs.	Canteen
Afternoon Tea/Coffee	15:30 – 16:15 hrs.	Pantry (near Foucault’s Pendulum)
Dinner	20:00 – 21:00 hrs.	Canteen

- **Library Timings :**

All working days : 09:00 - 21:00 hrs.  
 Saturday, Sunday : 10:30 - 19:00 hrs.  
 & Closed holidays

**Library will be closed on the following three National Holidays :**

August 15 : Independence Day  
 October 2 : Mahatma Gandhi Jayanti  
 January 26 : Republic Day