

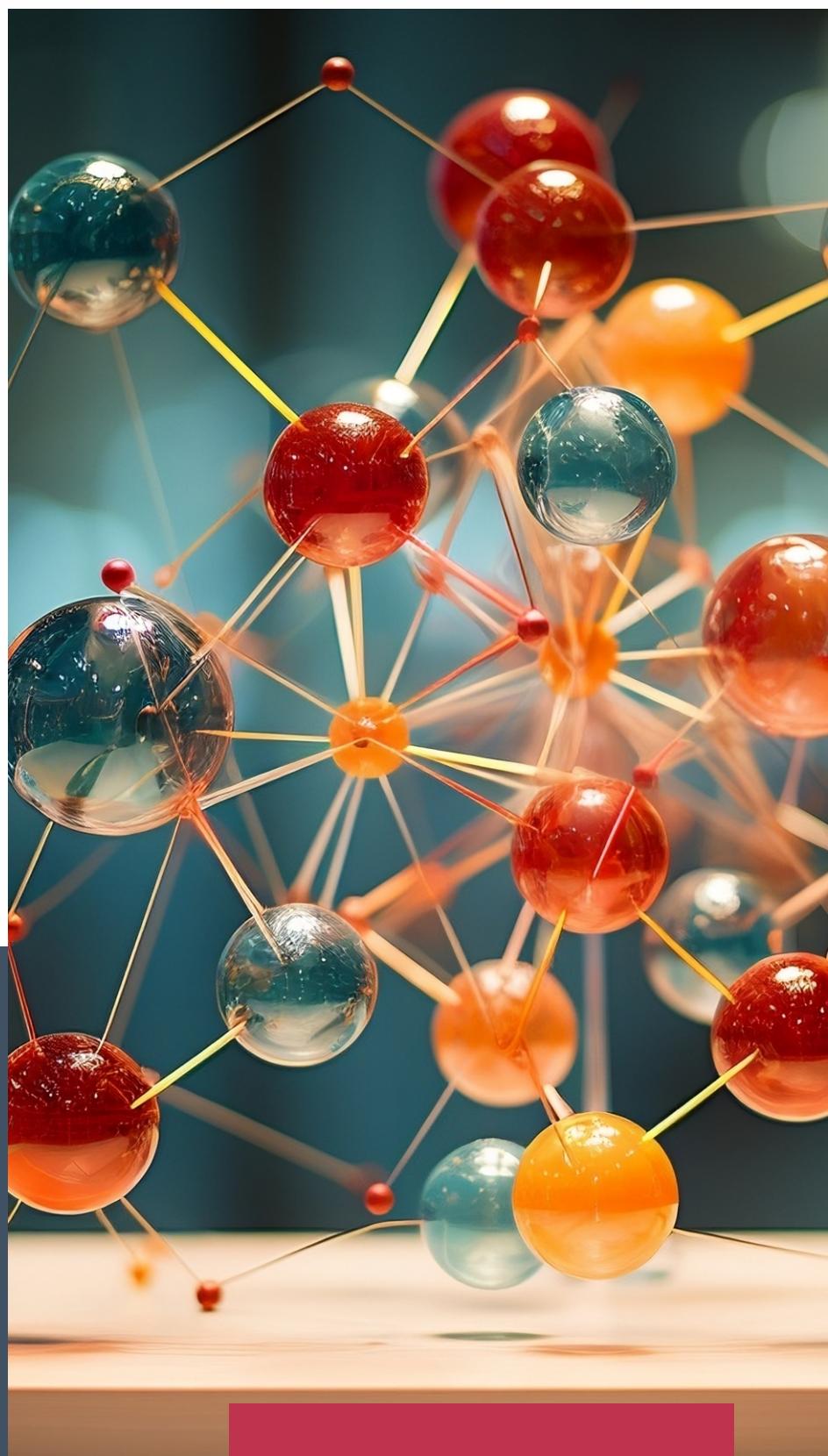


KALINGA UNIVERSITY

In Collaboration with
NIT Raipur, C.G.
Organises
**International Conference
on**
**RECENT
ADVANCEMENTS IN
MATERIAL SCIENCE
AND MATHEMATICS**
(ICRAMSM 2025)

DATE:
13th - 15th February 2025

Faculty of Science
Jointly organised by the
Department of Physics,
Chemistry & Mathematics



ABOUT KALINGA UNIVERSITY

Kalinga University, Naya Raipur, is a NAAC accredited University and the only Private University in Chhattisgarh ranked in the top 101-150 Universities in NIRF Ranking 2023 and has emerged as a centre of excellence in higher education in Central India. Strategically located in the Smart City of New Raipur, this University has started carving a niche for itself in the education domain and is rising as a shining star on the horizon of quality education.

Infrastructure – Kalinga boasts world-class infrastructure and student facilities with a student-centric approach. The highest attention is paid to the hands-on learning approach, and students are encouraged to come up with innovative ideas for projects and practicals. The University has more than 75 laboratories and workshops, all well-equipped with the latest state-of-the-art apparatus and tools. Special emphasis is given to the development of communication skills through the language lab. More than 1200 computers are available for the students' use.

Establishment – Established in 2013, this University has been able to win the confidence of over 8000 students. Meritorious students from all over the country and various foreign countries like Afghanistan, Angola, Bangladesh, Cameroon, Gambia, Ivory Coast, Kenya, Lesotho, Liberia, Malawi, Namibia, Nepal, Nigeria, Papua New Guinea, South Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe, etc., have chosen this University for their education and career.

Schools of Excellence – Currently, the University is serving the student community through various schools offering UG and PG programs, namely Arts & Humanities, Biotechnology, Commerce & Management, UX Design, Engineering, Fashion Design, Information Technology, Interior Design, Journalism & Mass Communication, Law, Library Science, Pharmacy, Science, Education and Yoga. It also has a centre for Doctoral Research Programmes in various fields.

ABOUT THE FACULTY OF SCIENCE

The faculty of science is well known for its excellence in teaching and research. The faculty members are engaged in state-of-the-art research as well as guiding the Ph.D. and M.Sc. Students. The faculty has made great strides by revising and updating its syllabus time and again. A thoroughly updated and revised syllabus has been implemented every year. The faculty has taken many initiatives for students to be exposed to writing projects and develop communication skills. Advanced-level optional courses are also offered here. The faculty has distinguished itself as a centre for innovation and a pioneer in a wide range of areas of science.



ABOUT THE CONFERENCE

The International Conference on Recent Advancements in Material Science and Mathematics (ICRAMSM 2025) aims to bridge the gap between two seemingly distinct fields - Material Science and Mathematics - by highlighting their interconnectedness and exploring the rich synergies that arise from their intersection. This conference provides a platform for researchers, academicians, and industry experts to exchange ideas, share advancements, and foster collaborations that drive innovation at the nexus of these disciplines.

IMPORTANT DATES:

Abstract Submission Deadline:

29th January 2025

Notification of Acceptance:

03rd February 2025

Conference Dates:

13th–15th February 2025

Full-length paper submission:

10th February 2025



CONFERENCE TRACKS



Physics

1. Quantum Mechanics and its Applications in Material Science
2. Condensed Matter Physics: From Theory to Experiment
3. Statistical Physics Approaches to Complex Materials
4. Optoelectronic Materials and Devices: Physics and Engineering Perspectives
5. Quantum Materials and Topological Insulators: Theoretical and Experimental Insights
6. Soft Matter Physics: Modelling and Simulation
7. Plasma Physics in Material Synthesis and Processing
8. Magnetic Materials: Theory, Synthesis, and Characterization
9. Advanced Spectroscopic Techniques for Material Analysis
10. Biophysics: Bridging Physics and Biology in Materials Research

Chemistry

1. Computational Chemistry for Materials Discovery and Design
2. Organic and Inorganic Chemistry in Material Synthesis
3. Surface Chemistry and Catalysis for Advanced Materials
4. Polymer Chemistry: Design, Synthesis, and Applications
5. Green Chemistry Approaches to Sustainable Materials
6. Nanochemistry: Bottom-Up Approaches to Nanostructure Design
7. Supramolecular Chemistry and Self-Assembly in Materials Science
8. Electrochemistry for Energy Conversion and Storage
9. Analytical Chemistry Techniques for Material Characterization
10. Environmental Chemistry: Impact on Material Properties and Behaviour

Mathematics

1. Multiscale Modelling and Simulation in Material Science
2. Mathematical Approaches for Material Characterization and Analysis
3. Advanced Materials for Energy Applications: Modelling and Optimization
4. Mathematical Modelling of Material Properties and Behaviour
5. Computational Mathematics in Material Science: Algorithms and Applications
6. Nanomaterials and Nanotechnology: Mathematical Perspectives
7. Mathematical Methods for Materials Design and Engineering
8. Mathematical Optimization Techniques in Material Science
9. Mathematical Modelling of Biological and Biomimetic Materials
10. Data Analytics and Machine Learning in Material Science and Mathematics
11. Mathematical Aspects of Materials Manufacturing and Processing
12. Mathematics for Sustainable Materials and Green Technologies
13. Mathematical Challenges in Material Informatics and Big Data
14. Emerging Trends in Mathematical Physics and Material Science
15. Mathematical Modelling of Structural Materials and Mechanics

CALL FOR ABSTRACTS

The authors are required to submit an abstract original, unpublished paper not exceeding 250 words without figures and tables. The abstract should include:

- Title MS Word in Times New Roman (Size 14 Points) in single spacing.
- Authors name MS Word in Times New Roman (Size 12 Points).
- Affiliation: MS Word in Times New Roman (Size 12 Points).
- Abstract MS Word in Times New Roman (Size 12 Points) in single spacing.

The abstract should briefly include the purpose of the study, methods, results, and conclusions. At the bottom of the page, please indicate the category (thrust area). Abstracts can be submitted online via email to

scienceconference@kalingauniversity.ac.in

PUBLICATION

All the papers will be included in the conference proceedings with ISBN as E-Book. Selected papers will be published in the UGC/ABDC/Scopus indexed journals with applicable charges determined by the respective journals.

POSTER PRESENTATION

- ✓ On evaluation, the abstracts may be selected either for Oral or Poster presentation.
- ✓ The Organizers will confer Best Oral and Best Poster Awards based on the quality of presentations as would be adjudicated by the Panel of Experts.

The Poster size should be 48 inches × 60 inches

REGISTRATION FEE PAYMENT

Category	Fee (inclusive of taxes)
Faculty & Other Educators	INR 1500/-
Research Scholars	INR 1500/-
UG+PG Students	INR 1200/-
Industry Experts	INR 2500/-
International Participants	USD 50/-

After the Registration Dates, the Charges will be Applicable as below for

Each Category	INR 250/- additional
International Participants	USD 20/- additional

On the Spot Registration

Each Category	INR 500/- additional
---------------	----------------------

- 50% Concession to participants from Kalinga University and Colleges having MoU with Kalinga University, Naya Raipur.
- Accommodation will be provided at the Participants' request. (Charges Applicable).
- Registration Fees include a Conference Kit, High Tea, Lunch and Snacks for both days.





FEE PAYMENT

Step 1: Participants have to make payment on the given bank details:



SCAN THE QR CODE
FOR UPI PAYMENT

Bank Name: **PUNJAB NATIONAL BANK**

Account Name: **Kalinga University
Faculty of Science**

A/c No.: **1744100100003476**

IFSC Code: **PUNB0174410**

Branch: **Rakhi, Naya Raipur,
Raipur, Chhattisgarh, India**

Step 2: Fill out the registration form with all the necessary information and add the screenshot of the payment details.

NOTE

- ✓ Transport Facility available from common pickup point (Free, while special pickup and drop facility may be provided on a chargeable basis).

HOW TO REACH

Railways: Raipur Junction railway station is situated on the Howrah-Nagpur-Mumbai line of the Indian Railways (via Bhusawal, Nagpur, Gondia, Bilaspur, Rourkela, Kharagpur) and is connected with most major cities.

Airport: Swami Vivekananda Airport is the primary airport serving the state of Chhattisgarh. The airport is located 15 km south of Raipur near Atal Nagar.

CHIEF PATRONS

Dr. Rajiv Kumar, Chairman, Kalinga University, Naya Raipur
Dr. Sandeep Arora, Chancellor, Kalinga University, Naya Raipur

PATRONS

Prof. (Dr.) R. Shridhar, Vice-Chancellor, Kalinga University, Naya Raipur
Dr. Byju John, Director General, Kalinga University, Naya Raipur
Dr. Sandeep Gandhi, Registrar, Kalinga University, Naya Raipur
Dr. Rahul Mishra, Dean Academic Affairs, Kalinga University, Naya Raipur
Dr. R. Jayakumar, Dean of Science, Kalinga University, Naya Raipur
Prof. N. V. Ramana Rao, Director and Professor, Dept. of Civil Engineering, NIT Raipur

CONVENORS

Dr. Shilpi Shrivastava, HoD, Department of Chemistry, Kalinga University
Dr. G. V. V. J. Rao, HoD, Department of Mathematics, Kalinga University
Dr. Aloke Verma, HoD, Department of Physics, Kalinga University
Prof. Arvind Kumar Sinha, HoD, Mathematics, NIT Raipur

CO-CONVENORS

Dr. Avinash Singh, Assistant Professor, Department of Physics, Kalinga University
Dr. Renuka Sahu, Assistant Professor, Department of Mathematics, Kalinga University
Ms. Sarvaree Bano, Assistant Professor, Department of Chemistry, Kalinga University

SCIENTIFIC COMMITTEE MEMBERS

Dr. Gopeshwar Dhar Dwivedi, Assistant Professor, Department of Physics, Kalinga University
Dr. Tejaswani Pradhan, Assistant Professor, Department of Mathematics, Kalinga University
Dr. Anushree Saha, Assistant Professor, Department of Chemistry, Kalinga University

ORGANISING SECRETARIES

Mr. Satpal Panika, Assistant Professor, Department of Mathematics, Kalinga University
Ms. Priyanka Gupta, Assistant Professor, Department of Chemistry, Kalinga University
Mr. Nigma Prasana Sahoo, Assistant Professor, Department of Mathematics, Kalinga University

ORGANISING COMMITTEE MEMBERS

Dr. Smita Premanand, HoD, Department of Fashion Design, Kalinga University
Dr. Dhananjay Kumar Jain, HoD, Department of Yoga, Kalinga University
Dr. Rajesh Kumar Manik, Assistant Professor, Department of Yoga, Kalinga University
Lt. Vibha Dewangan, Assistant Professor, Department of Fashion Design, Kalinga University
Ms. Neelam Ahirwar, Assistant Professor, Department of Forensic Science, Kalinga University
Ms. Dewashree Misra, Assistant Professor, Department of Interior Design, Kalinga University
Mr. Shubham Rai, Assistant Professor, Department of Forensic Science, Kalinga University
Ms. Vaishali Sinha, Assistant Professor, Department of Forensic Science, Kalinga University
Ms. Paheli Sharma, Assistant Professor, Department of Forensic Science, Kalinga University
Ms. Jharna Maiti, Assistant Professor, Department of Biochemistry, Kalinga University
Ar. Preeti Mishra, Assistant Professor, Department of Interior Design, Kalinga University
Ms. Pooja Chandravanshi, Assistant Professor, Department of Fashion Design, Kalinga University

INTERNATIONAL SPEAKERS

Dr. Jong Kyu Kim, Department of Mathematics Education, Kyungnam University, Korea

Dr. D. Chandrasekhar Kakarla, Department of Physics, National Sun Yat-sen University, Kaohsiung, Taiwan

Dr. Tarachand Patel, Department of International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science (NIMS), Tsukuba, Japan

Dr. Jayant Nirmalkar, Department of Earth and Environmental Sciences, Jeonbuk National University, Jeonju, Korea

NATIONAL SPEAKERS

Dr. Kamlesh Patel

Department of Electronic Science, University of Delhi, Delhi

Dr. S. K. Paikray

Professor, Department of Mathematics, Veer Surendra Sai University of Technology, Burla

Dr. Sanjeev Kanjoiya

Principal Scientist & Associate Professor AcSIR, Div. Sophisticated Analytical Instrument Facility & Research, CSIR-Central Drug Research Institute, Lucknow

INTERNATIONAL ADVISORY COMMITTEE

Dr. Jong Kyu Kim

Department of Mathematics Education, Kyungnam University, Korea

Dr. D. Chandrasekhar Kakarla

Department of Physics, National Sun Yat-sen University, Kaohsiung, Taiwan

Dr. Tarachand Patel

Department of International Center for Materials Nanoarchitectonics (MANA), National Institute for Materials Science (NIMS), Tsukuba, Japan

Dr. Jayant Nirmalkar

Department of Earth and Environmental Sciences, Jeonbuk National University, Jeonju, Korea

NATIONAL ADVISORY COMMITTEE

Dr. A. K. Shrivastava, Professor & Dean, Dr. C. V. Raman University, Bilaspur

Dr. Arun Kumar Diwakar, Assistant Professor, Department of Physics, Govt. MRG, College, Kondagaon

Dr. A. K. Thakur, Professor, Department of Mathematics, GGU, Bilaspur

Dr. Ayush Khare, Professor, Department of Physics, National Institute of Technology, Raipur

Dr. B. Ambade, HoD, Department of Chemistry, NIT, Jamshedpur

Dr. D. Haranath, Professor, Department of Physics, National Institute of Technology, Warangal

Dr. D. K. Kaul, Sr. Scientist, Health and Safety Group, BARC, Mumbai

Dr. Durga Prasad Bisen, Professor, SoS in Physics & Astrophysics, Pt. R. S. University, Raipur

Dr. H. S. Tewari, Professor, Department of Pure and Applied Physics, Guru Ghasidas Central University, Bilaspur

Dr. I. P. Sahu, Assistant Professor, Department of Physics, Indira Gandhi National Tribal University, Amarkantak

Dr. J. S. Pandey, Professor, CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur

Dr. K. N. Singh, Professor, Department of Pure & Applied Physics, GGU, Bilaspur

Dr. Kamlesh Patel, Department of Electronic Science, University of Delhi, Delhi

Dr. Kamlesh Shrivastava, Professor, SoS in Chemistry, Pt. R. S. University, Raipur

Dr. Kishor Govindrao Rewatkar, Principal, Vidya Vikas Arts, Commerce and Science College, Samudrapur

Dr. Laxmikant Chaware, Professor, Basic Sciences, Pt. R. S. University, Raipur

Dr. N. Kumar Swamy, Associate Professor, ISBM University, Chhura, Gariyaband

Dr. Nameeta Brahme, Professor, SoS in Physics & Astrophysics, Pt. R. S. University, Raipur

Dr. Natrajan Venkatraman, Adj. Prof., I.A.R., Gandhinagar, Hon. Prof., H.B.N.I.,

Mumbai Former Head, Spectroscopy Section, Radiochemistry Division, BARC., Mumbai

Dr. Nimai Pathak, Scientific Officer (D), Bhabha Atomic Research Centre, Trombay, Mumbai

Dr. Nitin Kumar Jaiswal, Professor and Head, ITM University, Raipur

Dr. P. D. Sahare, Professor, Department of Physics & Astrophysics, University of Delhi, Delhi

Dr. R. K. Pandey, Professor, Department of Pure & Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur

Dr. R. P. Patel, Associate Professor, Department of Pure & Applied Physics, GGU, Bilaspur

Dr. Rajeswar Singh, Professor and Head, Christian College of Engg. & Tech., Bhilai

Dr. Ratnesh Tiwari, Professor and HoD Physics, Dr. C V Raman University, Kota, Bilaspur

Dr. Rishi Jaiswal, Associate Professor, Department of Physics, SRU, Raipur

Dr. S. K. Omanwar, Professor (HAG) & Head, Department of Physics, Sant Gadge Baba Amravati University, Amravati

Dr. S. K. Paikray, Professor, Department of Mathematics, Veer Surendra Sai University of Technology, Burla

Dr. S. S. Thakur, Professor, Department of Chemistry, Guru Ghasidas Central University, Bilaspur

Dr. Sanjay J. Dhoble, Professor, Department of Physics, R. T. M. Nagpur University, Nagpur

Dr. Sanjay Tiwari, Professor, SoS in Electronics & Photonics, Pt. R. S. University, Raipur

Dr. Satyam Ravi, Assistant Professor, Department of Chemistry, VIT Bhopal University, Bhopal

Dr. Senthilkannan. K., Professor, E.G.S. Pillay Arts & Science College, Nagapattinam, Tamil Nadu

Dr. Tanmaya Badapanda, Associate Professor, Department of Physics, C V Raman Global University, Bhubaneswar

Dr. Tarun Kumar Thakur, Professor, Department of Environment, Indira Gandhi National Tribal University, Amarkantak



SPONSORSHIP LEVELS

Sl. No.	Sponsorship Levels	Amount	Exclusive Sponsorship Benefits
01.	Platinum Sponsorship	INR 1,00,000/-	<ol style="list-style-type: none"> 1. 5 Complimentary Delegates Passes. 2. 4 Complimentary Standee/Banner. 3. Address to the audience of 5 Minutes. 4. Dedicated space to display products, etc. 5. Prominent Display of Logo on Conference Materials. 6. Inserts/Flyers will be put in Conference Kits. 7. 4 Full-page ads in our Conference Proceedings. 8. 5 Minutes promotional video. 9. Conference Kit and Memento.
02.	Diamond Sponsorship	INR 50,000/-	<ol style="list-style-type: none"> 1. 3 Complimentary Delegates Passes. 2. 1 Complimentary Standee/Banner. 3. Prominent Display of Logo on Conference Materials. 4. Inserts/Flyers will be put in Conference Kits. 5. 2 Full-page ads in our Conference Proceedings. 6. 5 Minutes promotional video. 7. Conference Kit and Memento.
03.	Gold Sponsorship	INR 25,000/-	<ol style="list-style-type: none"> 1. 2 Complimentary Delegates Passes. 2. Display of Logo on Conference Materials. 3. 1 Full-page ad in our Conference Proceedings. 4. Conference Kit and Memento.
04.	Silver Sponsorship	INR 15,000/-	<ol style="list-style-type: none"> 1. 1 Complimentary Delegate Pass. 2. Display of Logo on Conference Materials. 3. Conference Kit and Memento.
05.	Bronze Sponsorship	INR 10,000/-	<ol style="list-style-type: none"> 1. Display of Logo on Conference Materials.

By becoming a sponsor, your organisation will benefit from prominent visibility and recognition among our attendees, speakers, and partners.

**International Conference on
Recent Advancements in Material Science and Mathematics
(ICRAMSM 2025)**

13th-15th February 2025

Faculty of Science

Jointly organised by the Department of Physics, Chemistry & Mathematics

REGISTRATION FORM

(Please Complete in Block Capitals)

Name (Prof. / Dr. / Mr. / Ms.) _____

Job Title: _____

Organisation with Address: _____

Gender: Male / Female / Others

Mobile: _____

E-mail: _____

Title of the Paper: _____

Preferred Method of Presentation: Oral Poster Attendee

Accommodation Required: Yes / No Date of Accommodation: _____ / February 2025

No. of Days: _____

Duration of Accommodation: _____

Transaction ID: _____

UTR No.: _____

Signature with Date: _____

NOTE: Registration fee should be paid in Kalinga University Faculty of Science.

Registration Link: <https://forms.gle/4behB6kd8aTJ3VXK6>



Scan to Register



Get in Touch:



www.kalingauniversity.ac.in



**Kalinga University, Kotni,
Near Mantralaya, Naya Raipur - 492101,
Chhattisgarh, India**