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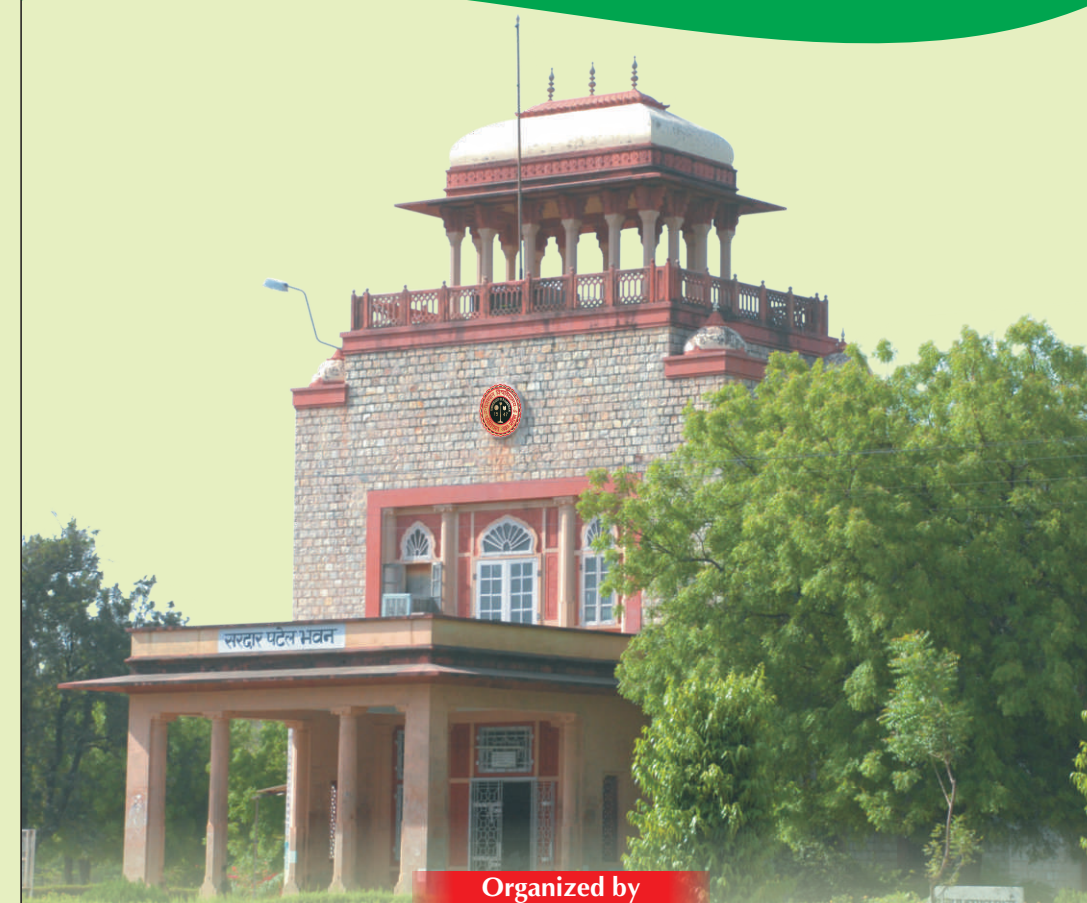
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# National Conference on Recent Advances at Interfaces of Physical and Life Sciences **RAIPLS-2018**

July 6-7, 2018



Organized by

Department of Chemistry  
University of Rajasthan, Jaipur

In association with

Indian Council of Chemists, Agra  
International Society for Life Sciences (ISLS), Jaipur  
Indian Science Congress Association (Jaipur Chapter)

Supported by

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Email: [raipls2018@gmail.com](mailto:raipls2018@gmail.com) • Website: [raipls2018.enctcs.com](http://raipls2018.enctcs.com)



## About the University

The University of Rajasthan is one of the premier and oldest institution of higher education in Rajasthan. It was established as "Rajputana University" on 8<sup>th</sup> of January, 1947. It is situated in the heart of the Pink City Jaipur. It is a hub for higher education, has earned several laurels including University with Potential for Excellence and credited with 'A' grade by the National Assessment and Accreditation Council (NAAC). It has a rich treasure of past glory, enriched with a history of academic brilliance, nurtured over the years by the Professors of international repute, it is committed to weave a bright future for its students and provide them an academic environment conducive to achieve highest goals of excellence. The University offers Undergraduate, Postgraduate, M.Phil. and Ph.D. programmes in 9 different faculties at 37 Departments, 22 Research Centers and 6 Constituent Colleges. The University provides state-of-art research facilities which are supported by different grants like UGC-SAP, UPE, DST-FIST, PURSE, DST – SAIF etc. The University has one of the biggest libraries in India and is treasure trove of rare manuscripts

## About the Department

The Department of Chemistry came into existence in 1960, it offers M.Sc. and Ph.D. courses in Chemistry at University campus and B.Sc. pass and honors courses at two constituent Colleges. The Department is well known for its par excellence in academic and research programs in various areas of Chemistry. Presently, the Department has 49 faculty members including 17 Associate Professors and 32 Assistant Professors. The Department has been recipient of various grants from National agencies like UGC-SAP, DST-FIST, UGC-CAS, UGC-BSR etc. The Department has well equipped research laboratories and sophisticated instruments. The Department is acknowledged for high quality research at National as well as International levels. Majority of PG students qualify NET examination and/or successfully compete in national level tests of ONGC, NTPC, UPSC, GSI, BARC, ISRO, DRDO, Forensic Research Laboratories, CSIR Laboratories, Petroleum and Pharmaceutical companies etc. to get placements.



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## About the Conference

The intertwining of physical sciences and life sciences can be understood by the fact that most of the Nobel prizes for chemistry and physics between 2000–2017 has been awarded for life science application discoveries. Chemistry is a discipline which bridges the gulf separating physical and life sciences. This in fact motivated us to organize this National Conference on "Recent Advances at Interfaces of Physical and Life Sciences" (RAIPLS-2018) at the Department of Chemistry, University of Rajasthan. This conference has been planned to provide a platform for the eminent scientists and research scholars to interact & share their experiences in the field of physical and life sciences. Particularly it highlights and focuses on the recent advances taking place in these fields.

## Sub-Themes

- Atmospheric & environmental chemistry
- Bio-chemistry
- Chemical kinetics
- Co-ordination chemistry
- Computational chemistry

- Electrochemistry, electroincs & corrosion
- Green chemistry
- Heterocyclic, pharmaceutical and industrial chemistry
- Natural product chemistry
- Nano technology
- Organo-metallic chemistry
- Photochemistry
- Synthetic organic chemistry
- Biodiversity, forest, wild life conservation
- Global climate change: Impact and management
- Ecology, environmental status and legal issues
- Biotechnology and sustainable agriculture
- Cancer: Biology, prevention and treatment strategy
- Radiation Biology
- Environmental toxicology and bioremediation
- Pollution and health hazards
- Plant pathology and microbiology
- Plants and animal science
- Computational fluid dynamics
- Graph theory and its applications
- Mathematical modeling
- Operations research and optimizations
- Special functions
- Condensed Matter
- Nanotechnology and Nanophysics
- Molecular and Optical Physics
- Computational Physics
- Biophysics
- Atomic, Nuclear, and Particle Physics
- Applied Physics
- Superconductivity

## About the Pink City – Jaipur

Jaipur was founded in the year 1727 and is named after its founder Sawai Jai Singh II. It is a very popular tourist destination in India famous for its jewellery, gems, arts, crafts, culture, architecture and many more. Famous tourist places of jaipur includes the Hawa Mahal, Jal Mahal, City Palace, Albert Hall, Amer Fort, Jantar Mantar, Nahargarh Fort, Jaigarh Fort, Birla Mandir, Galtaji, Govind Dev Ji Temple, Garh Ganesh Temple, Moti Dungri Ganesh Temple and the Jaipur Zoo. Temperature remains relatively high during summer season. In early July temperature ranges between 27-37 °C with a possibility of rains and thunderstorms.

## Specific Target Group

- Researchers, M.Phil, PhD, Post doctoral fellows
- Scientists, faculty members
- Technologists

## Call for Papers

Delegates are invited to present papers oral/poster (Size 3\*4 feet) on the above sub themes. The abstract of the paper in 200-250 words as per given format should be emailed to [raipls2018@gmail.com](mailto:raipls2018@gmail.com), latest by 15<sup>th</sup> June 2018. Awards for best oral and best poster presentations will be given to participating researchers.

## Format of Abstract

Font	: Times New Roman only, Typed in MS Word
Abstract Title	: Font Size 14 pt, bold and caps.
Author Name	: Font Size 12 pt, bold (underline the presenting author)
Address	: Font Size 12 pt Italics
Text/Content	: Font Size 11 pt Normal, single space and justified
References	: 10 pt Normal in ACS style.

**Registration:** Interested candidates have to submit their duly filled registration form and registration fee to the office of the Convener, RAIPLS-2018 by hand or by post, **latest by 20<sup>th</sup> June 2018.**

## Important Dates

Last date of submission of Abstract	: 15 <sup>th</sup> June 2018
Registration deadline	: 20 <sup>th</sup> June 2018
Conference Date	: 6 <sup>th</sup> & 7 <sup>th</sup> July 2018
Venue	: Five Year Law College, Rajasthan University Campus, Jaipur.

## Registration Fee

Faculty Members	Rs. 2000
Research Scholars	Rs. 1500
Industry delegates	Rs. 5000
Accompanying person/Spouse	Rs. 1500
On Spot registration	Rs. 500 extra in each category.

Registration fee can be paid by Cash or DD/Cheque drawn in favor of "Convener RAIPLS 2018" payable at Jaipur

Registration fee may be transferred online via NEFT in to the following Account:

Beneficiary Name	: Convener RAIPLS 2018
Account No	: 674701701730
Bank Name	: ICICI Bank Ltd.
Branch	: UNIVERSITY CAMPUS, BAPU NAGAR, JAIPUR
IFSC Code	: ICIC0006747

## Accommodation

The delegates may make their own arrangements for accommodation at hotels in Jaipur. Limited accommodation at Guest Houses/Hotels may be arranged by the organizers on prior request and advance payment.

Guest House Charges (Double/Triple occupancy)

Students/Scholars	500/- per day
Faculty Members	1100/- per day

For more details of Tariff of Guest Houses/Hotels please see conference website [raipls2018.enctcs.com](http://raipls2018.enctcs.com).

All correspondence may be sent to the following address:

### Devendra Kumar Mahawar

Organizing Secretary (RAIPLS-2018)

Room No. 209, First Floor, Vigyan Bhawan,  
Department of Chemistry, University of Rajasthan, Jaipur  
e-mail: [raipls2018@gmail.com](mailto:raipls2018@gmail.com), Mob: +91 9414348027,

For More Details, Contact **Organizing Secretaries:**

Dr. Ammilal Rao	: +91 9079393187
Dr. Anoop Singh Meena	: +91 8619391627
Dr. P.L. Meena	: +91 9828145937

REGISTRATION FORM



**National Conference**  
**on**  
**Recent Advances at Interfaces**  
**of Physical and Life Sciences**  
**RAIPLS-2018**  
**July 6-7, 2018**

Name: Dr. / Mr. / Ms. ....

Designation:.....

Organization/Institution: .....

Correspondence Address: .....

.....

.....

Mobile No.:..... E-mail: .....

Whether Presenting paper: Yes/ No Oral/ Poster:.....

Title of the Paper .....

.....

Registration Category (Please Tick): Academician/ Research Scholar/ Scientist/ Industry Delegate/

Accompanying Person .....

Registration Fee Rs. ....

Accommodation Required: Yes/No Hotel /Guest House:

Accommodation Charges: Rs. ....

Total Payment: Rs.....

Mode of Payment (Please tick): Cash / DD / Cheque /online

Cash Receipt No.: .....

DD/Cheque No./Transaction ID: ..... Dated: .....

Issuing Bank & Branch:.....

Date:.....

Signature of the Applicant

Demand Draft/Cheque should be drawn in favor of '**Convener RAIPLS**' payable at Jaipur and should be sent to the '**Convener, RAIPLS-2018, Department of Chemistry, University of Rajasthan, Jaipur-302004**'. Please email a soft copy of duly filled Registration Form along with registration fee receipt to : [raipls2018@gmail.com](mailto:raipls2018@gmail.com)  
For Any queries you may contact on: +91 9414348027, +91 9079393187



# National Conference on Recent Advances at Interfaces of Physical and Life Sciences **RAIPLS-2018** July 6-7, 2018

Organized by  
**Department of Chemistry,**  
**University of Rajasthan, Jaipur-302004 (India)**

## Sponsorships

Interested sponsors may immediately contact the conference convener, sponsorship charges will be as follows

### 1. Diamond Sponsorship 60,000/-

- One Full page colored advertisement
- Logo on Backdrop
- Space for display of Equipment / Books
- Banner at Conference venue

### 2. Ruby Sponsorship 40,000/-

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- Banner at Conference venue

### 3. Conference Kit Sponsorship 60,000/-

- Name and address on Conference Kit / inner flap of Bag
- Full page advertisement
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### 4. Stall Space for display 35,000/-

### 5. Advertisement rates for Souvenir

- Colored back cover 40,000/-
- Colored inside cover 20,000/-
- Colored full page 15,000/-
- Colored half page 10,000/-
- Colored one fourth page 5000/-
- Black and white full page 10,000/-
- Black and white half page 5,000/-
- Black and white one fourth page 3000/-

Sponsorship may be paid by Demand Draft / Cheque in favor of 'RAIPLS-2018, payable at Jaipur.

Copy of advertisement to be printed, Full page (7.5 x 10 inch) / half page (7.5 x 5 inch) in .cdr format may be sent to Email – [raipls2018@gmail.com](mailto:raipls2018@gmail.com)