

Pt . Ravishankar Shukla University:

It is the oldest university of Chhattisgarh state established in 1964 accredited with 'A' grade by NAAC.



CBS is a center of science and research that is offering high quality under graduate teaching embedded in a post graduate and research environment.
Prof. Keshari Lal Verma, VC, Pt.RSU.

CBS is working to provide a quality education and research environment to the students. Hostel facility for girls and boys along with fellowship are provided to students of CBS.
Prof. Girish K. Pandey, Registrar, Pt.RSU.



Center for Basic Sciences(CBS)

The Center for Basic Sciences was established in the year 2015 in the campus of Pt. Ravishankar Shukla university, Raipur. It was conceived to give an opportunity to all those talented students out there who find a scope for higher studies in the field of basic sciences.

Despite being the existence of eminent institutions like IITs IISc, IISER, and NISER, the country is going through an acute dearth of good scientists and teachers. Owing to such needs of the state and the nation, the Government of Chhattisgarh responded proactively to the proposal of CBS ny generously providing the seed money to Pt. Ravishankar Shukla university for its establishment and assured a continuous support in the coming years.

The principal aim of CBS is to impart high quality undergraduate education amidst vibrant post graduate research environment with emphasis on the experimental component within a multi-disciplinary framework. It is also making education and career in basic sciences more attractive and approachable by breaking the barriers of taking up traditional disciplines.

Vision:

- ★ The prime motive of CBS is to motivate talented 12th graders to take up basic science as their career undertaking
- ★ To provide high quality teaching in basic sciences by a faculty of distinguished scientists embedded in a vibrant research environment and to create a national pool of scientists ready to take up research challenges in the frontiers of basic and applied sciences.

	Director	Prof. K. K. Ghosh, (Ph.D., INSA-JSPS Fellow)
	Specialization	Physical Chemistry
	Email	kalkolkghosh@gmail.com
	Contact	+91-9425216204

Academic Program Offered

Course Name	Seats	Eligibility	Admission Procedure
5 years Integrated M.Sc. (B.Sc. Hons + M.Sc.)	20 +10 (PCM)	10+2 (Science with 60%)	EST- Entrance Test *
	20 +10 (PCB)		

*For admission in 2020, 1667 applications received for 40 seats, for more enquiry mail at cbssprsu@gmail.com, Reservation as per rule of Govt. of Chhattisgarh.

Salient Features:

- ★ Monthly stipend of ₹5000 promoting self dependency among the students.
- ★ ITC equipped classrooms.
- ★ Departmental Library.
- ★ Computer & Mathematica Lab.
- ★ Modular Laboratories for Physics, Chemistry & Biology
- ★ Curriculum at par with NISER Bhubaneswar, CBS Mumbai
- ★ Separate hostel & mess facility for boys and girls.
- ★ Co-curricular activities for all round development of the students.

Visits of Scientists and Professor in CBS(2020-21)

Sr. No.	Name of Resource Persons	Affiliation
1	Prof N.N. Karade	Department of Chemistry, RTM Nagpur University , Nagpur
2	Dr.Meetul Kumar	Sc 'E' Dte of IC , DRDOHQ
3	Prof Swapan K Ghosh	UM-DAE-Center for Excellence in Basic Sciences,University of Mumbai
4	Dr. Satyajit Gupta	IIT Bhali
5	Dr. Renu Bhatt	Dept. Biotechnology GGU Bilashpur
6	Dr. Mithilesh Kumar Chaube	IIIT Naya Raipur
7	Prof Anand Pathak	University of Hyderabad
8.	Dr. Harit Jha	Guru Ghasidas Vishwavidyalaya, Bilaspur

Student's Achievements (2020-21)

1. SET qualified:

Life Sciences-Aabha Vaishnav, Sakshi Sahu, Yachika Deshmukh, David Sonwani, Geetanjali Thakur, Monika Sahu, Sudha Porte, Sanu Awasthi

Chemical Sciences- Pushpkant Sahu

Mathematics- Suruchi Sharda

2. NET qualified:

Chemical Sciences- Pushpkant Sahu NET- JRF 56th rank

Life Sciences- Yachika Deshmukh NET -LS 115th rank

Sudha Porte NET-JRF

Mathematical Sciences-Indra Kumar NET- LS

3. Selection for higher studies:

1Tulesh Kumar Bariha- has been selected for post graduation in Utkal University, Bhubneshwar

2. Indra Kumar- has been selected for post graduation in NIT Calicut

3. Lokeshwar Verma- has been selected for post graduation in BHU Varanasi

2. Harsh –has been selected for post graduation in IIT Palakka

4. Tikesh - has been selected for post graduation in Delhi University

3. Christy- has been selected for post graduation in NIT Calicut

4. Publication by students in referred journals

- 1 **Vidya R. Singh**, Shrishti P. Pandey and Prabhat K Singh, (2021), A Polyelectrolyte based supramolecular assembly for ratiometric sensing of ATP with very high discrimination from Pyrophosphate, Journal of Molecular Liquids. (5.06 IF)
- 2 **Kamran Ansari**, G.Panduthurai, V. Anil Kumar 2020, Role of droplet size classes on the cloud droplet spectral dispersion as observed over the western ghats, Atmospheric Research, volume- 246. (4.6 IF)
- 3 **Vidya R. Singh** and Prabhat K Singh, (2020) A novel supramolecule based fluorescence turn-on and ratiometric sensor for highly selective detection of Glutathione over Cystein and Homocystein, Microchimica Acta. (6.23 IF)
- 3 **Ananya Diwan**, Rakesh Kumar Swain, Sarojini Minz, Arti Parganiha, Atanu Kumar Pati, 2020 Ultradian circadian, and circaseptan rhythms in the patterns of usage of Facebook messenger, Biological Rhythm Research. (0.82 IF)
- 4 Rakesh Kumar Swain, Sarojini Minz, Arti Parganiha, **Ananya Diwan**, Atanu Kumar Pati (2020) Circadian rhythm in the pattern of online usage of Facebook messenger during the COVID-19 triggered lockdown: a sequel to the pre-pandemic study, Biological Rhythm Research. (0.82 IF)
- 5 **Amul Jain**, **Leena Dhruw**, **Priyank Sinha**, **Anchal Pradhan**, Rahul Sharma and Bhanushree Gupta 2020 Thymoquinone, NUTRACEUTICALS, Elsevier.

5. Lab facilities





Teaching Faculty

Sr. No.	Name	Designation	Specialization
1.	Dr. Govind Prasad Sahu govind3012@gmail.com	Assistant Professor (Maths)	Biomathematics Infectious Disease Dynamics
2.	Dr. Laxmikant Chaware chaware.laxmikant@gmail.com	Assistant Professor (Physics)	Astronomy & Astrophysics
3.	Dr. Bhanushree Gupta bgupta1517@gmail.com	Assistant Professor (Chemistry)	ACHE Reactivators & Kinetics
4.	Dr. Veenu Joshi vinu.jsh@gmail.com	Assistant Professor (Botany)	Plant Tissue Culture, Biotechnology
5.	Dr. Girja Shankar Gautam dr.girjashankar@gmail.com	Assistant Professor (Hindi)	Hindi, Sanskrit, Linguistics
6.	Dr. Smita Sharma smitaanujsharma@gmail.com	Assistant Professor (English)	English

Sr. No.	Name	Designation	Specialization
7.	Dr. Varsha Thakur	Assistant Professor (Guest)	Computer Science
8.	Dr. Yamini Thakur	Assistant Professor (Guest)	Chemistry
9.	Dr. Toshikee Yadav	Assistant Professor (Guest)	Chemistry
10.	Saket Agrawal	Assistant Professor (Guest)	Physics
11.	Manoj Kumar	Assistant Professor (Guest)	Physics
12.	Dipti Sahu	Assistant Professor (Guest)	Physics
13.	Dr. Madhu Manikpuri	Assistant Professor (Guest)	Biology
14.	Dr. Tikendra Verma	Assistant Professor (Guest)	Biology
15.	Dr. Rashi Gupta	Assistant Professor (Guest)	Maths



Center for Basic Sciences Pt. Ravishankar Shukla University Raipur (C.G.), India



Establishment Year – 2015

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