

SCHOOL OF SCIENCE OP JINDAL UNIVERSITY, RAIGARH

QUARTERLY REPORT

April – June 2024

*Knowledge
forLife*

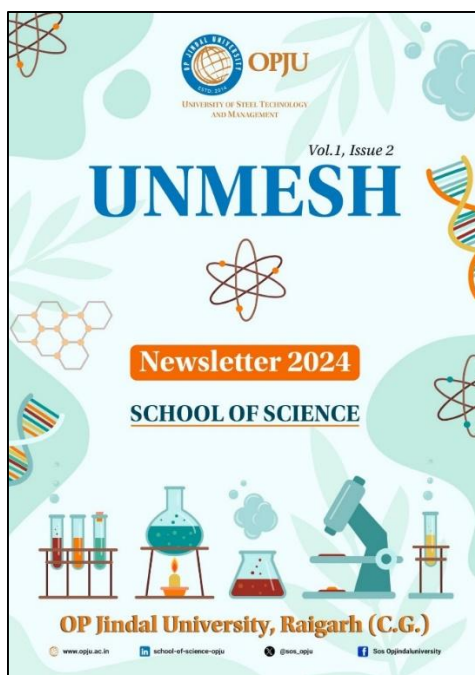


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Release of Second Issue of SoS Newsletter 'UNMESH'

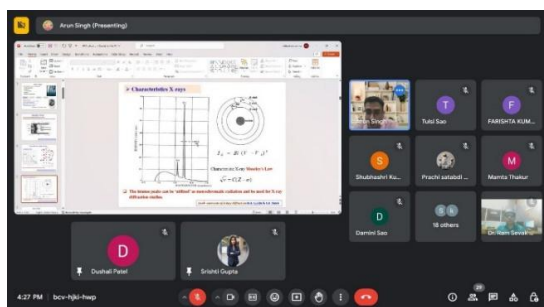
Second Issue of the School of Science newsletter 'UNMESH', on 28th May 2024 which captures the remarkable achievements of the students and esteemed faculty members across all departments of the School of Science



Guest lecture/ Expert Talk Organized

Expert talk on “X-ray Diffraction Techniques” organized

Webinar conducted on 25th April 2024 on X-ray Diffraction Techniques by Department of Physics. Dr Arun Kumar Singh, Associate Professor, Department of Pure and applied Physics, GGV Bilaspur was the resource person.



OPJU
UNIVERSITY OF STEEL TECHNOLOGY AND MANAGEMENT

INSTITUTION'S INNOVATION COUNCIL
Ministry of Education, Government of India

विकसित भारत अभियान
1947 - 2047

Dept. of Physics, School of Science
OP Jindal University, Raigarh
in association with
Institution's Innovation Council & Society for Science Studies

Presents
Webinar on

X-Ray Diffraction Techniques

Speaker:
Dr. Arun Kumar Singh
Associate Professor
Dept. of Pure & Applied Physics, GGV, Bilaspur

Date: 25 April 2024
Time: 4 PM - 5 PM

Chairman:
Dr. Girish C. Mishra
Professor & Dean
School of Science,
OP Jindal University

Coordinator:
Dr. R. S. Singh
Sr. Associate Professor
Dept. of Physics, School of Science
OP Jindal University

Research Activities

Paper Publication

- Reenu Mishra, P.K. Sing, M.M. Vaishnav, Kavita Patel, Determination of Water Quality Parameters of Kelo River, Chelonian Conservation and Biology, Vol. 19 (1) 2024.
- Taniya Sengupta Rathore, Exploring Phytochemical Tyrosinase Inhibitors against Melanoma Skin Cancer, Proceeding of Zoological Society of India, 23(1) 2024.

Six-month Progress Review of PhD Scholars

- 2nd Six- month progress review meeting of Mr Manas Ranjan Mishra, Ph.D. scholar, Department of Mathematics was organised on 12th April 2024 in online mode.
- Six monthly progress review meeting conducted on 24th April 2024 of Ms Sonal Prakash Tatte, Ph.D. scholar, Department of Chemistry in physical mode in university campus.



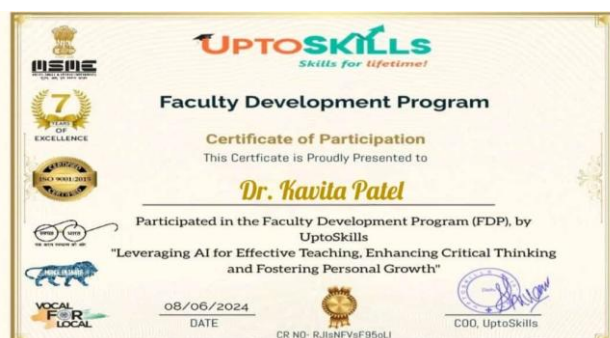
Talk Delivered

- Dr. Dipti Shukla of School of Science, delivered a Career Guidance session on 25 May 2024, organized by District Administration, Raigarh.



FDP Attended

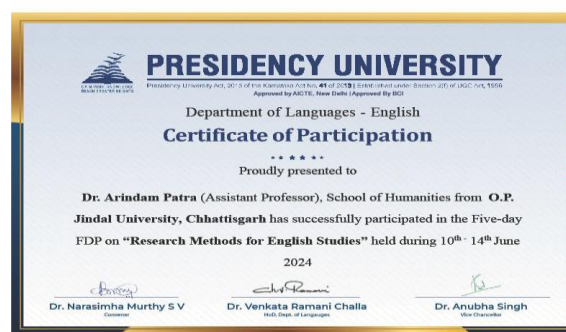
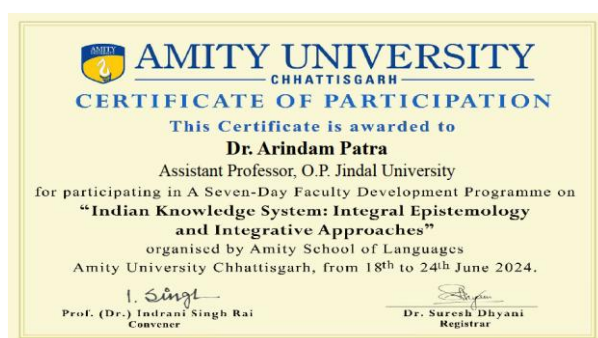
- Dr. Kavita Patel participated in one day FDP organized by the Uptoskill, approved by MSME, Government of India.
- Prof. Suchismita Panda participated in a Five Day STTP on Writing Quality Research Paper and Proposal organized by the Dept. of HSS, SVNIT Surat during 11- 15 June 2024.



- Dr. Arindam Patra and Prof. Suchismita Panda successfully completed 6-day Online UHV-II_FDP organized by All India Council for Technical Education (AICTE) from 25th - 30th March 2024.



- Dr. Arindam Patra and Prof. Suchismita Panda successfully completed a Seven-Day Faculty Development programme on “Indian Knowledge System: Integral Epistemology and Integrative Approaches” organized by Amity University Chhattisgarh during 18-24 June 2024.
- Dr. Arindam Patra successfully attended a Five-day FDP on “Research Methods for English Studies” held during 10th- 14th June 2024 organized by the Dept. of Languages-English, Presidency University, Bangalore.



Awards & Recognitions

- Dr. Taniya Sengupta Rathore, Associate Professor, Biotechnology, School of Science was awarded the Congress of Zoology Medal for outstanding contribution in Environmental Biotechnology in 35th All India Congress of Zoology and International Conference on “Impact of Climate Change with Special Reference to Challenges and Approaches in

Applied Zoology, Biodiversity Conservation, Food, and Health Security” held at Guru Ghasidas University, Bilaspur (C.G) during 5-7 June 2024.



- Dr. Dipti Shukla, Associate Professor, Physics, School of Science is recognized as an Academic Editor in the Asian Journal of Research and Review in Physics.



- Dr. Shubhashri Kumari Assistant Professor, Physics, School of Science have been awarded with certificate of excellence in reviewing by Journal of Experimental Agriculture International (ISSN - 2457-0591), BP International & International Journal of Biochemistry Research & Review.



- Mr. Hemant Kumar, Lab Instructor, Department of Biotechnology received the Dharti Mitra Award & consolation prize in Innovative Research Award category in a Two Day International Conference on “Recent Innovations in Scientific And Commercial Approaches Towards Land Restoration and Environmental Sustainability” (ISCLRES) organized by Swami Shri Swaroopanand Saraswati Mahavidyalaya, Hudco, Bhilai, (C.G.) during on 5- 6 June 2024



Outreach Activity

Career Awareness & Guidance Sessions for School Students organized at various locations

School of Science, O P Jindal University Raigarh organized various Career awareness and guidance sessions in Raigarh and nearby locations between 6th to 30th June for 12th standard and Graduate students. In these sessions 200+ students were present and get benefited. The locations covered during this were Gharghoda, Dharamjaigarh, Kharsia, Sariya and Raigarh East zone. The sessions were guided and supported by Vice Chancellor Dr. R.D. Patidar and Dean School of Science Dr. Girish Chandra Mishra with faculty SoS and admission team. Students acquired knowledge about their career and courses available at OPJU for their betterment. The participants were also informed about the various professional courses like Engineering, Science, Management, etc. and placement, campus facility, hostel facility, scholarship schemes and fee structure of OPJU.

- Career Counselling Session on 6th June 2024 at Block Office Gharghoda



OPJU **OP Jindal University, Raigarh**

WE ARE INVITING YOU TO JOIN US AT THE

OPEN HOUSE

FOR

CAREER GUIDANCE

School of Science

B.Sc.(Hons.) in

- ◊ Physics
- ◊ Chemistry
- ◊ Mathematics
- ◊ Biotechnology
- ◊ Data Science & Analytics

M.Sc. in

- ◊ Physics
- ◊ Chemistry
- ◊ Mathematics & Computing

Ph.D. in

- ◊ Physics
- ◊ Chemistry
- ◊ Mathematics
- ◊ Humanities

Toll Free: 1800 12000 8090 www.opju.ac.in

GHARGHODA

Thursday

JUNE 06, 2024

🕒 10:30 AM to 12:30 PM

📍 Meeting Hall,
Block Office, Gharghoda

- Career Counselling Session on 12th June 2024 at Block Office Dhramjaigarh



- Career Counselling Session on 26th June 2024 at Swami Atmanand Hr. Sec. English Medium School, Kharsia



- Career Counselling Session on 27th June 2024 at Govt. Girls Hr. Sec. School, Sariya



- Career Counselling Session at Raigarh East zone (Mahapalli, Loing and Banora) on 28th June 2024 at Govt. Hemsundar Gupta Utkrishit Hr. Sec. School, Mahapalli.





- Online Career Guidance session for Science graduates organized on 28th June 2024 followed by Graduate Genius Quest- a Quiz Competition

OP Jindal University, Raigarh
Society for Science Studies
School of Science
Organizes

Career Guidance
POST B.SC.

Schedule
28 June 2024
10 AM -11 AM

Speakers
Dr. Girish C. Mishra, Dr. Ankur Rastogi, Dr. R. K. Singh, Dr. Saumya Singh

Moderator
Dr. Sandhya Mishra

OP Jindal University, Raigarh
Society for Science Studies
School of Science
Organizes

Graduate Genius Quest

Date-28 June 2024 (Extended)
Time-11 AM-12 PM

Attractive Prizes

Scan QR Code to register on the Quiz
<https://forms.gle/VcD8jVArVLrJKEGA>

Who can participate-Only recent graduates from Science stream can participate

Contact :8962292757, 9554698479, 6260048256

Career counselling session at Govt K G Arts and Science College Raigarh

- As a part of MoU activity a career counselling session was organized on 2nd May 2024 for the UG students of Govt. KG Arts and Science College, Raigarh. During the session more than 250 students were present and inducted.



Club Activity

Dare and Fun activity organized by Adventure Club “Parakram”

- Adventure Club (Parakram) organized an activity, 'Dare and Fun' to enhance students' individual ability and allow them to take greater challenges socially and academically on 5 April 2024.



Sahrudaya- The Social Empowerment Club organized cleanliness drive

- School of Science organized an in-campus cleanliness drive as an activity of 'Sahrudaya' (Social Empowerment Club) to foster a sense of cleanliness-related civic sense among the students



Student's Achievements

NPTEL Courses

- 6 students of BSc (H) Chemistry 6th semester and 8 students of MSc Chemistry 4th semester successfully qualified NPTEL course “**Biochemistry**”, out of which 5 students of BSc (H) secured Elite category and 2 students of MSc secured Elite + Silver category.
- 6 students of MSc physics 2nd semester qualified the NPTEL course “**Electronic Theory of Solids**”, 2 out of them secured Elite category.
- 15 students of BSc (H) 2nd semester successfully qualified NPTEL course “**Elementary thermodynamics for all**”, 5 out of them secured Elite category.

- 2 students of MSc Chemistry 2nd semester qualified the NPTEL Course “Symmetry & Group Theory” in Elite category. Ms. Preeti Nirmalkar secured the All India Rank 1 in this course.

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

TOPPER

This certificate is awarded to
PREETI NIRMALKAR
for successfully completing the course
Symmetry and Group Theory
with a consolidated score of **61** %

Online Assignments	23.38/25	Proctored Exam	37.88/75
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Total number of candidates certified in this course: 11

Jan-Apr 2024
(12 week course)

Prof. M. S. Santharam
Dean, International Relations and Outreach
IISER Pune

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

IISER - Indian Institute of Science Education and Research Pune

swayam

Roll No: NPTEL24CY24S965300061 To verify the certificate

No. of credits recommended: 3 or 4

- 3 students of BSc (H) Mathematics 4th semester successfully qualified the NPTEL Course “Linear Algebra”

Research & Innovation

- Ms. Anjali Chouhan and Ms. Manisha Sahu of BSc (H) Biotechnology 4th and 2nd semester secured 3rd position in poster presentation in International Conference on “Recent Innovations in Scientific and Commercial Approaches Towards Land Restoration and Environmental Sustainability” (ISCLRES) organized by Swami Shri Swaroopanand Saraswati Mahavidyalaya, Hudco, Bhilai, (C.G.) during on 5- 6 June 2024.

SWAMI SHRI SWAROOPANAND SARASWATI MAHAVIDYALAYA HUDCO, BHILAI
in collaboration with
HEMCHAND YADAV UNIVERSITY

CERTIFICATE OF APPRECIATION
PROUDLY PRESENT TO:

Manisha Sahu/ Anjali Chauhan

Third Position- Poster Presentation- "Effect Of Soil Gram's Negative Bacillus Bacteria In Reducing Heavy Metal Impact On Plant Growth"

For Participating in Two Days International Conference
on
"RECENT INNOVATIONS IN SCIENTIFIC AND COMMERCIAL APPROACHES TOWARDS LAND RESTORATION AND ENVIRONMENTAL SUSTAINABILITY" (ISCLRES)
Held On 05/06/2024 to 06/06/2024

We wish her/him the best for their future endeavour

SHRI BHUPENDRA KULDEEP
REGISTRAR, HYU, DURG

DR. HANSA SHUKLA
PRINCIPAL

DR. MONISHA SHARMA
EXE. MEMBER, SOES

DR. SHAMA A. BAIG
CONVENER

- Ms. Kasish Naj, 4th semester and Ms. Shaily Prajapati, Ms. Anjali Chouhan and Ms. Manisha Sahu, 2nd semester students of BSc (H) Biotechnology received Dharti Mitra Award for their research activities towards the environment.



Internship and Placements

- Six students of BSc & MSc Chemistry were selected at Jindal Power- Ms. Vijaylaxmi Kaiwartya, Ms. Srishti Gupta, Ms. Pratibha Sharma, Ms. Kumkum Rani, Ms. Isha Verma and Ms. Anjali Gupta



- Ms. Vanshika Thakur, Student of BSc (H) Mathematics 6th semester successfully completed internship at 'The Orby House' Raipur during August 2023- February 2024. She received INR 15000 as stipend.



Participation in Competitions

- Ms. Shruti Kumari, BSc (H) Biotechnology 4th semester pitched her prototype (BHALAX) at Pitch Expo 2024 organized by Capital Wings Raipur on 7 April 2024.
- Ms. Antara Mukherjee, BSc (H) Biotechnology 2nd semester secured 1st position in National level poster competition on Stewardship of clean healthy rivers organized by Microbiologists Society, India on 15 June, 2024.
- Ms. Kshama Dewangan, Ms. Antara Mukherjee and Ms. M Akanksha, BSc (H) Biotechnology 2nd and 4th semester were the winners of the Drawing Competition “Biotechnology for Human welfare” organized by Microbiologists Society of India (MBSI) Student Chapter, Department of Biotechnology on 8th May 2024.



Student's Testimonials



Glimpses of Parent's Summit of SoS



Welcome to SoS family: Dr. T Gayatri

Dr. T Gayatri joined School of Science, OPJU on 9th May 2024 as Assistant Professor in the Department of Biotechnology. She pursued B.Sc. in Biotechnology from Andhra University, Andhra Pradesh, M.Sc. in Biotechnology from Berhampur University, Odisha and PhD in Plant Biotechnology from IIT Kharagpur. She has 7 years of research experience and her area of research is Plant Genetic Engineering. She has published three research articles/papers in various journals of repute (SCI, SCIE & Scopus) and one book chapter with Elsevier. She has qualified GATE & CSIR-NET in 2011.

