

REFLEXIONS

School of Sciences



From the Desk of Dean, School of Sciences – Prof. Pradeep Kr. Varshney

Your future is created by what you do today, not tomorrow- Robert Kiyosaki

It is a matter of great pride and satisfaction to welcome you to the very first issue of our School of Sciences Newsletter. As we embark on this exciting journey together, it is my great pleasure to share with you some thoughts and reflections. The creation of this newsletter marks a significant milestone for our School. It represents our commitment to open communication, transparency, and community engagement.

Our distinctive programs like B.Sc. (H) and M.Sc. offer a great curriculum embedded with Scientific Research training helps students stay ahead in the industry and other organizations. This newsletter will serve as a platform to celebrate our collective successes, share the latest updates, and highlight the exceptional work of our students and faculty. It will reflect our shared values, our commitment to excellence, and our vision for the future.

I congratulate the Editorial Board of this Newsletter who have played a wonderful role in accomplishing the task.

I wish all the best to all the faculties, staff, students and alumni for their onward journey.

From the Desk of HOD, School of Sciences – Prof. Sandeep Kumar

We welcome you all to the School of Sciences of Manav Rachna University. It gives us immense pleasure to share with you all, the school of sciences has started a monthly newsletter. This letter will showcase the day-to-day activities and highlight the latest news, events, and progress of the school. I, as a Head of the department of sciences, would like to acknowledge all the esteemed faculty members, non-teaching staff and our beloved students for their endless support and efforts for the advancement of the department. On this occasion, my heartiest congratulations to all the team members of the editorial team for putting their efforts in bringing up this September issue in a more refined shape.

Message from Editor-in-Chief, School of Sciences – Dr. Priti Gupta

I, welcome you all to the first edition of the School of Sciences Newsletter! As we embrace the changing seasons, we also embark on a journey through the ever-evolving world of science. In this edition, we have curated a collection of articles, activities, and updates that highlight the remarkable achievements and the unwavering dedication of our science department. Our department has continued to thrive, even in the face of unprecedented challenges. From the bustling labs to the classrooms, our faculty, students, and researchers have exhibited resilience, adaptability, and a shared passion for advancing the frontiers of knowledge. It is a privilege to be a part of this dynamic and innovative community.

Editorial Team: Gulam Nabi and Kirti Sharma from B. Sc (Hons.) Chemistry (V Sem)

Happy teachers make learning happy!!

School of Sciences in one frame.



Departmental Activities – Beyond Teaching

The Department of Sciences (Program - Mathematics), Manav Rachna University organized a Life Skills Session on “Creating Stable Mind in Challenging Times by “BK Er. Sonika” on August 23, 2023, for the students and faculty members. 117 students and 12 faculty members attended the session.

B.K. Sonika, a Rajyoga teacher and trainer under the domain of the Om Shanti Retreat Center (ORC), Gurugram was the guest speaker for the session. The aim of the session was to guide and offer insights into the principles and practices that can aid individuals in fostering resilience, emotional equilibrium and mental clarity.



The Department of Sciences, Program - Mathematics, Manav Rachna University organized an International Webinar on Introduction to Wavelets on September 25, 2023. Guest speaker Prof. Maria Skopina, Department of Higher Mathematics St. Petersburg University, Russia briefly introduced the term wavelets and its applications over traditional Fourier methods in analyzing physical situations where the signal contains discontinuities and sharp spikes. The overall talk enriched the students and faculty with the current Applications of Wavelet Approximation.

Mother Teresa said, “Never be so busy as not to think of others”. We care for society too.



Dr. Ruchi Gupta and Dr. Priti Gupta from School of Sciences under Clan Wild Cats, DSW visited Maujpur Village, Faridabad, on September 1, 2023. The objective of the visit was to sensitize the government school students about cleanliness. The day commenced with a visit to the Government School in Maujpur Village, where students and faculty members gathered to raise awareness about two crucial environmental issues: Water conservation and the Reduction of plastic usage. The session began with a brief presentation on the alarming consequences of wasting water and the adverse effects of plastic pollution on our environment. To engage the students further and make the message memorable, a thought-provoking poem on the environment was recited.

After the school session, our group had the privilege of interacting with the local residents of Maujpur Village. This interaction was a vital part of our outreach efforts to create a more comprehensive understanding of the environmental issues. We engaged in conversations with the villagers, discussing their experiences, concerns, and ideas regarding water conservation and plastic reduction.



Alfred Mercie - "What we Learn with Pleasure we Never Forget". We make Learning Fun.

The Teachers' Day celebration organized on September 5, 2023 by the students of School of Science was a resounding success. Students honored the faculty members with kind gestures like poetry, dance, games, fun events and showcased their unity, creativity, and gratitude. The event served as a reminder of the vital role that teachers play in shaping the lives of the students.

Coordinators extended a heartfelt thanks to students, teachers, and all those who contributed to make this Teachers Day celebration a memorable and meaningful event. The celebration ended on a positive note with more motivation and a conducive learning environment in the university.



When Students Achieve, we feel proud.

Ms. Muskaan Saifi, student of B. Sc. (Hons.) Physics (V Sem) took part in the sports meet at BITS Pilani, Rajasthan from September 21, 2023 to September 26, 2023 as part of the University basketball team.

Ms. Kashni Bansal, student of B. Sc. (Hons.) Physics (V Sem) took part in the sports meet at BITS Pilani, Rajasthan from September 21, 2023 to September 26, 2023 as part of the University basketball team.



Faculties, Those Inspire Us.

Awards and Achievements - Prof. D. K. Sharma got a patent published on "An enhanced multi-beam interference utilizing modified lens system, (Patent Application No. 202311047089, dated August 11, 2023)"

Conferences - Prof. D.K. Sharma presented his work with Dr. Ananna Bardhan and Ms. Pooja Sharma on the "Variability of ionospheric plasma during high magnitude earthquake" in the 3rd International Conference on Plasma Theory and Simulations (PTS-2023) held at School of Physical Sciences, Jawaharlal Nehru University, New Delhi from September 21, 2023 to September 23, 2023



It's all about being Creative.

Kirti Sharma, BSc. (Hons.) Chemistry (V Sem)



Anshika Vashishta, MSc. (Mathematics), Final Year

As Mahadev said, "Nari yadi shanka tyaag de toh swayam shankar bann jaati hai."

She questions her strength, her courage, her worthiness to be,

While her heart brims with the resilience as vast as the sea.

She carries within all kinds of stories of her generations, But how does it matter when her heart holds a power that is beyond our imaginations.

Talking about the generations, a lesson from Mahabharata that we cannot ignore: "For respect that can be stolen or seized is nothing but merely a Maya".

Because respect is not a garment to be torn, It is a fierce flame of pure Agni that cannot be shorn.

Vanshika Sharma, BSc. (Hons.) Chemistry (V Sem)

तुम खुद की जिंदगी के लेखक हो

कोरी किताब सी जिंदगी, खुद के अंदाज़ में सजानी है
जनम और मरन के बीच, बेमिसाल जिंदगी बितानी है

हर दिन एक नया पन्ना सामने पाओगे, सोचलो
कि कलम पकड़ क्या इतिहास लिख कर दिखाओगे

खुद की कहानी को, बेमिसाल बनाना है
खुद को अपनी जिंदगी का मुख्य किरदार बनाना है

हां कभी कभी, शायद कलम भी नहीं उठा पाओगे,
शायद कुछ लिखना नहीं चाहोगे
उस दिन भी तुम्हारी खामोशी पन्ने को भर देगी
जो शब्द ना कह सके वो तुम्हारी चुप्पी बयान कर देगी

जो हो गया बस उससे, सीखकर आगे बढ़ जाना है
क्योंकि जिंदगी का नाम बस चलते जाना है

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