

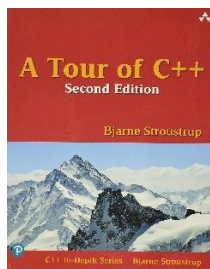
Monthly Bulletin of New Additions of Books October 2025



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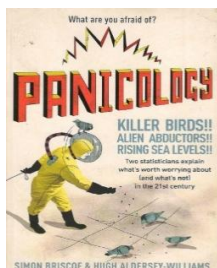
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DATA SCIENCE

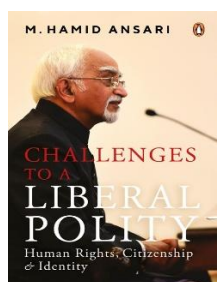


Title: [A tour of C++, 2nd Ed.](#)
 Author: Stroustrup, Bjarne
 Publisher: New York: Pearson, 2023.
 Call No.: 005.133/STR
 Acc. No.: 28691-28694

SOCIAL SCIENCES

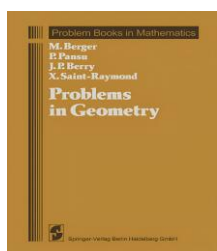


Title: [Panicology](#)
 Author: Briscoe, Simon
 Publisher: New York: Viking, 2008.
 Call No.: 306.42/BRI
 Acc. No.: GB3494

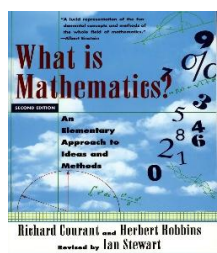


Title: [Challenges to a liberal polity : human rights, citizenship and identity](#)
 Author: Ansari, M. Hamid
 Publisher: Gurgaon: Penguin Random House, 2022.
 Call No.: 323.0954/ANS
 Acc. No.: 28686

MATHEMATICS

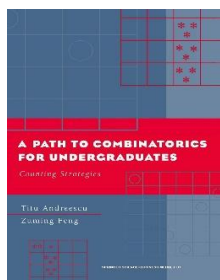


Title: [Problem books in mathematics](#)
 Author: Berger, M.
 Publisher: Berlin: Springer-Verlag, 1984.
 Call No.: 510.76/BER
 Acc. No.: GB3487



Title: [What is mathematics? : an elementary approach to ideas](#)
 Author: Courant, Richard
 Publisher: New Delhi: Oxford University Press India, 2007.
 Call No.: 510/COU
 Acc. No.: GB3498

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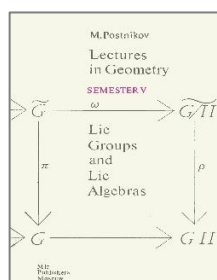
Title: [Path to combinatorics for undergraduates : counting strategies](#)

Author: Andreescu, Titu

Publisher: New York: Springer-Science+Business Media, 2004.

Call No.: 511.6/AND

Acc. No.: GB3497



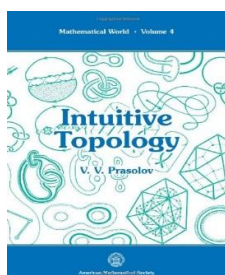
Title: [Lectures in geometry - semester 5 lie groups and lie algebras ;translated from the Russian by Vladimir Shokurov](#)

Author: Postnikov, M. M.

Publisher: Moscow: Mir Publishers, 1986.

Call No.: 512.55/POS

Acc. No.: GB3484



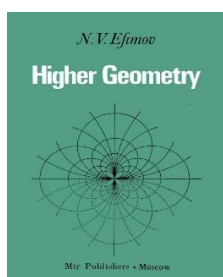
Title: [Intuitive topology](#)

Author: Prasolov, V. V.

Publisher: Hyderabad: Universities Press, 1998.

Call No.: 514/PRA

Acc. No.: GB3483



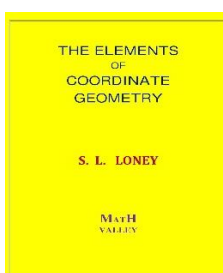
Title: [Higher geometry; translated from the Russian by P.C. Sinha, Cand. Sc.](#)

Author: Efimov, N. V.

Publisher: Moscow: Mir Publishers, 1980.

Call No.: 516.1/EFI

Acc. No.: GB3485



Title: [Elements of coordinate geometry](#)

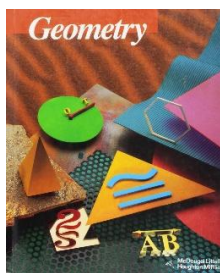
Author: Loney, S.L.

Publisher: Meerut: Arihant Prakashan, 1962.

Call No.: 516.1/LON

Acc. No.: GB3501

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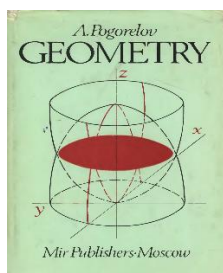
Title: [Geometry](#)

Author: Jurgensen, Ray C.

Publisher: Boston: Houghton Mifflin Company, 1990.

Call No.: 516.2/JUR

Acc. No.: GB3490



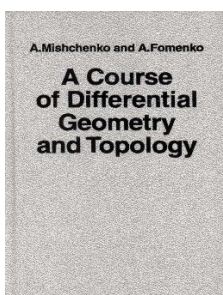
Title: [Geometry](#)

Author: Pogorelov, A.

Publisher: Moscow: Mir Publishers, 1984.

Call No.: 516.2/POG

Acc. No.: GB3500



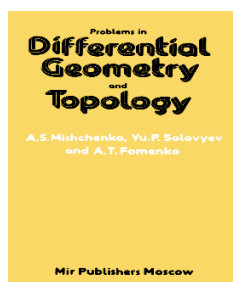
Title: [A course of differential geometry and topology; translated from Russian by Anatoly Talashev](#)

Author: Mishchenko, A.

Publisher: Moscow: Mir Publishers, 1988.

Call No.: 516.36/MIS

Acc. No.: GB3491



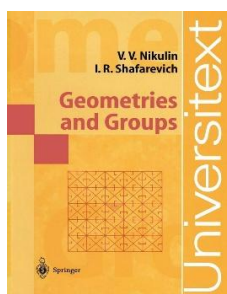
Title: [Problems in differential geometry and topology ; translated from the Russian by Oleg Efimov](#)

Author: Mishchenko, A. S.

Publisher: Moscow: Mir Publishers, 1981

Call No.: 516.36/MIS

Acc. No.: GB3493



Title: [Geometries and groups ; translated from the Russian by M. Reid](#)

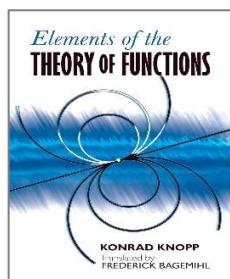
Author: Nikulin, V. V.

Publisher: Berlin: Springer-Verlag, 1987.

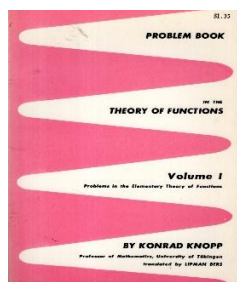
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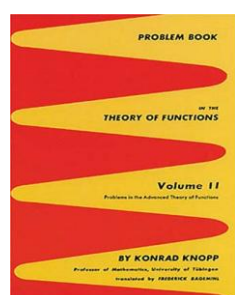
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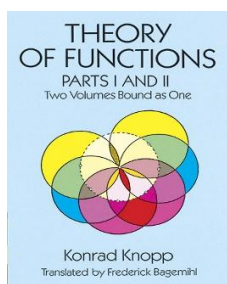
Title: [Elements of the theory of functions ; translated by Frederick Bagemihl](#)
 Author: Knopp, Konrad
 Publisher: New York: Dover Publications, 1952.
 Call No.: 517.5/KNO
 Acc. No.: GB3502



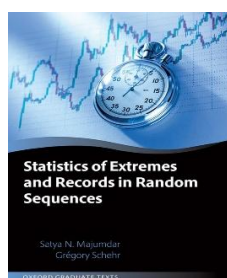
Title: [Problem book in the theory of functions, Vol. I ; translated by Lipman Bers](#)
 Author: Knopp, Konrad
 Publisher: New York: Dover Publications, 1948.
 Call No.: 517.5/KNO
 Acc. No.: GB3503



Title: [Problem book in the theory of functions, Vol. II ; translated by Frederick Bagemihl](#)
 Author: Knopp, Konrad
 Publisher: New York: Dover Publications, 1952.
 Call No.: 517.5/KNO
 Acc. No.: GB3504

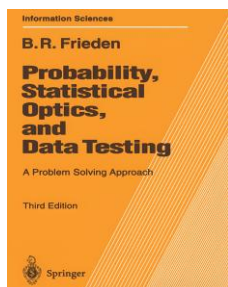


Title: [Theory of functions ; translated by Frederick Bagemihl](#)
 Author: Knopp, Konrad
 Publisher: New York: Dover Publications, 1952.
 Call No.: 517.5/KNO
 Acc. No.: GB3505



Title: [Statistics of extremes and records in random sequences](#)
 Author: Majumdar, Satya N.
 Publisher: Oxford: Oxford University Press, 2024.
 Call No.: 519.23/MAJ
 Acc. No.: 28695

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Title: [Probability, statistical optics, and data testing : a problem solving approach](#)

Author: Frieden, B. R.

Publisher: Berlin: Springer-Verlag, 1991.

Call No.: 519.2519/FRI

Acc. No.: GB3496



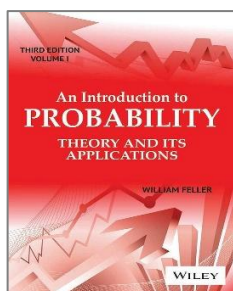
Title: [Data analysis : a model comparison approach](#)

Author: Judd, Charles M.

Publisher: San Diego: Harcourt Brace Jovanovich, 1989.

Call No.: 519.5/JUD

Acc. No.: GB3488



Title: [Introduction to probability theory and its applications. Vol. 1](#)

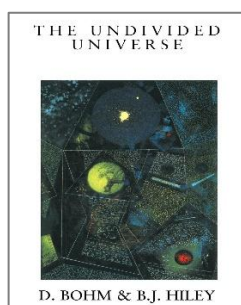
Author: Feller, William

Publisher: New York: John Wiley and Sons, 2000.

Call No.: 519/FEL

Acc. No.: GB3489

PHYSICS



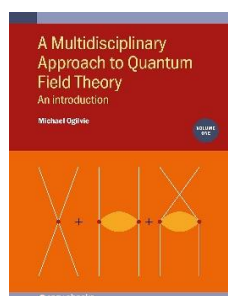
Title: [Undivided universe : an ontological interpretation of quantum theory](#)

Author: Bohm, David

Publisher: New York: Routledge, 1993

Call No.: 530.12/BOH

Acc. No.: GB3486



Title: [A multidisciplinary approach to quantum field theory : an Introduction Vol. 1](#)

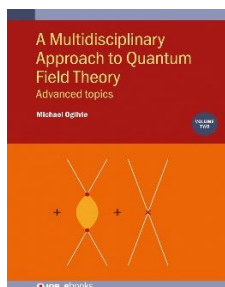
Author: Ogilvie, Michael

Publisher: Bristol: IOP Publishing, 2022.

Call No.: 530.143/OGI

Acc. No.: 28689

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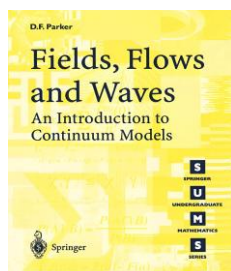
Title: [A multidisciplinary approach to quantum field theory : advanced topics Vol. 2](#)

Author: Ogilvie, Michael

Publisher: Bristol: IOP Publishing, 2022.

Call No.: 530.143/OGI

Acc. No.: 28690



Title: [Fields flows and waves](#)

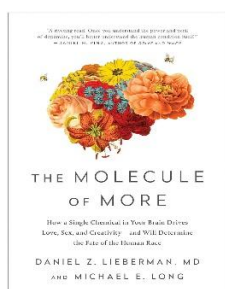
Author: Parker, D.F.

Publisher: New York: Springer, 2003.

Call No.: 531/PAR

Acc. No.: GB3499

BIOLOGY



Title: [The molecule of more : how a single chemical in your brain drives love, sex, and creativity--and will determine the fate of the human race](#)

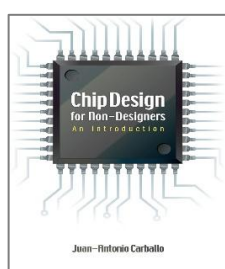
Author: Lieberman, Daniel Z.

Publisher: Dallas: BenBella Books, Inc., 2019.

Call No.: 612.8042/LIE

Acc. No.: 28685

TECHNOLOGY



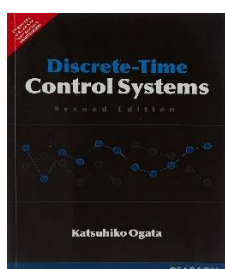
Title: [Chip design for non-designers : an introduction](#)

Author: Carballo, Juan-Antonio

Publisher: Tulsa: PennWell Corporation, 2008.

Call No.: 621.3815/CAR

Acc. No.: 28687



Title: [Discrete time control systems, 2nd Ed.](#)

Author: Ogata, Katsuhiko

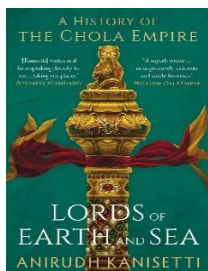
Publisher: New York: Prentice-Hall International, Inc., 1995.

Call No.: 629.8312/OGA

Acc. No.: GB3492

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HISTORY & GEOGRAPHY



Title: [Lords of earth and sea : a history of the Chola empire](#)

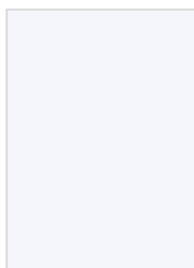
Author: Kanisetti, Anirudh

Publisher: New Delhi: Juggernaut, 2025.

Call No.: 953.05/KAN

Acc. No.: 28688

THESES



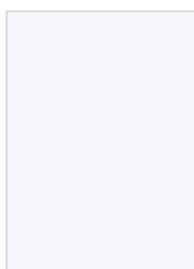
Title: [A study of combinatorial games over random premises, a model of baggage retrieval from airports, and union-closed families of sets](#)

Author: Bhasin, Dhruv

Publisher: Pune: IISER Pune, 2025.

Call No.: 510/BHA

Acc. No.: TH626



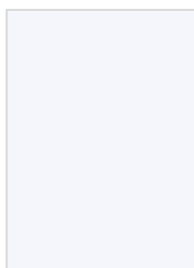
Title: [Modelling and structural break detection using nonparametric methods](#)

Author: Roy, Archi

Publisher: Pune: IISER Pune, 2025.

Call No.: 510/ROY

Acc. No.: TH607



Title: [Insights in black hole thermodynamics using von Neumann algebras](#)

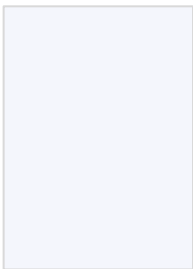
Author: Ali, Mohd

Publisher: Pune: IISER Pune, 2025

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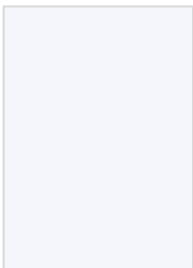
Title: [Optothermally driven colloidal matter: activity and guided motion](#)

Author: Chand, Rahul

Publisher: Pune: IISER Pune, 2025.

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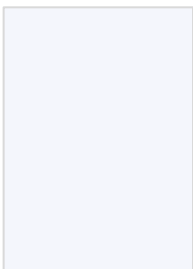
Title: [NMR investigations and feedback estimation of ergotropy : applications in quantum battery and entanglement certification](#)

Author: Joshi, Jitendra

Publisher: Pune: IISER Pune, 2025.

Call No.: 530/JOS

Acc. No.: TH610



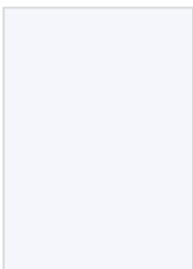
Title: [Search for vector-like leptons at CMS and prospects at the HL-LHC](#)

Author: Laha, Arnab

Publisher: Pune: IISER Pune, 2025.

Call No.: 530/LAH

Acc. No.: TH612



Title: [Bounds on performance in continuous and discrete thermal machines: insights from quantum and thermal fluctuations](#)

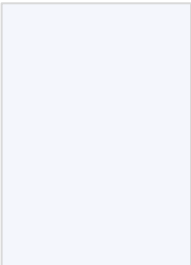
Author: Mohanta, Sandipan

Publisher: Pune: IISER Pune, 2024.

Call No.: 530/MOH

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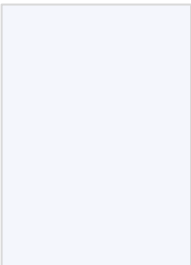
Title: [Aspects of cosmological observables](#)

Author: Ullah, Farman

Publisher: Pune: IISER Pune, 2025.

Call No.: 530/ULL

Acc. No.: TH605



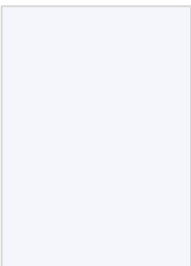
Title: [Understanding the correlated orders in layered materials](#)

Author: Walve, Vaibhav

Publisher: Pune: IISER Pune, 2025.

Call No.: 530/WAL

Acc. No.: TH620



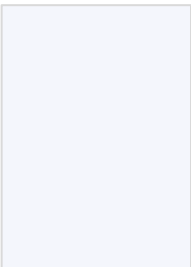
Title: [Reactivity of diazo carbonyl compounds with thioethers under visible light and metal catalysis to access bioactive scaffolds: application to photoflow and mechanochemistry](#)

Author: Bankar, Onkar Sunil

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/BAN

Acc. No.: TH600



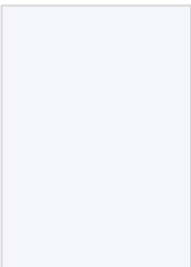
Title: [Visible light photocatalyzed oxidative functionalization of alkenes and cyclic thioacetals](#)

Author: Behera, Mousumi

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/BEH

Acc. No.: TH606



Title: [Design and syntheses of chiral phosphorus-based assemblies for effective enantioselective applications](#)

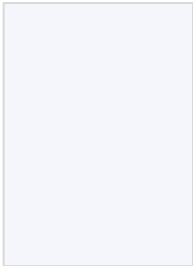
Author: Jose, Cavya

Publisher: Pune: IISER Pune, 2025.

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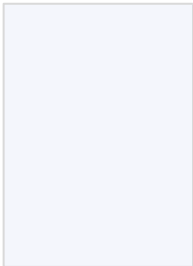
Title: [Design, synthesis and applications of oligonucleotide-probe and -antibody conjugates leveraging bioorthogonal chemistry](#)

Author: Dutta, Swagata

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/DUT

Acc. No.: TH625



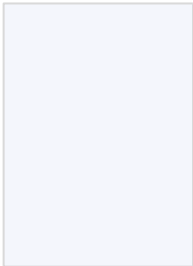
Title: [Light-driven multielectron chemical transformations with tailored nanoparticles](#)

Author: Jain, Vanshika

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/JAI

Acc. No.: TH596



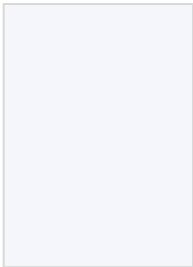
Title: [NHC/NHSI-ligated transition metal complexes: versatile platforms for catalysis and small molecule activation](#)

Author: Kaulage, Sandeep

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/KAU

Acc. No.: TH602



Title: [First Principles Modeling of photo\(electro-\)catalytic conversion of carbon dioxide and methane](#)

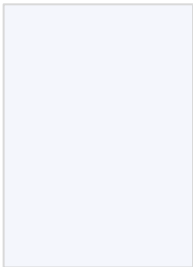
Author: Lohkna, Sarika

Publisher: Pune: IISER Pune, 2025.

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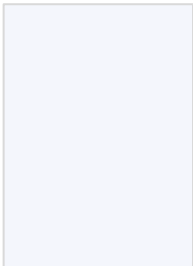
Title: [Exploration of the reactivity and applications of diazo arylidene succinimides \(DAS\) under visible light and metal catalysis](#)

Author: Meher, Kajal B.

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/MEH

Acc. No.: TH597



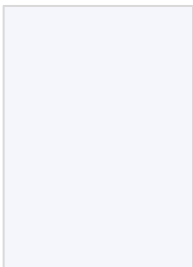
Title: [Synthesis of Glycolipid Library Reminiscent of Mycobacterial Cell Wall Motif A and its Significance by Microscopy](#)

Author: Joshi, Pooja

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/POO

Acc. No.: TH613



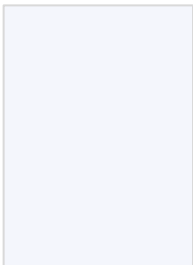
Title: [Exploration of morita-baylis-hillman adducts of pyrazoledione and 3-methyleneoxindole to access multifunctional spiroheterocycles with contiguous chiral centres](#)

Author: Sabale, Abhijeet Shamrao

Publisher: Pune: IISER Pune, 2025.

Call No.: 540/SAB

Acc. No.: TH601



Title: [Seismic imaging of the crust and lithospheric mantle structure along a profile from the west to the east coast of India covering Dharwar craton](#)

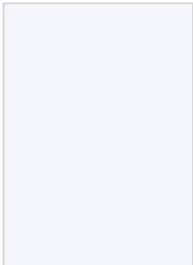
Author: Chaubey, Dipak Kumar

Publisher: Pune: IISER Pune, 2024.

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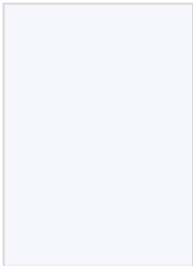
Title: [Neural and behavioural mechanisms of Olfactory matching](#)

Author: Bhowmik, Rajdeep

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/BHO

Acc. No.: TH624



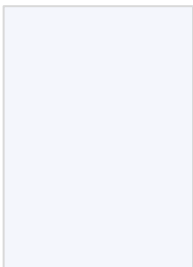
Title: [Membrane-associated periodic skeleton: a developmental perspective](#)

Author: Bodas, Shivani

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/BOD

Acc. No.: TH599



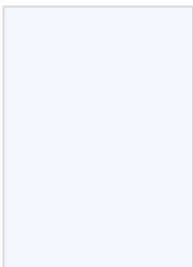
Title: [Investigating the mechanism of action of cell division proteins FtsZ and FtsA of cell wall-less bacteria](#)

Author: Dutta, Soumyajit

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/DUT

Acc. No.: TH614



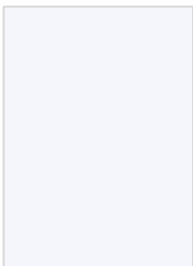
Title: [Investigating the mechanism of Heterochromatin Protein-1 \(HP1\) mediated var gene regulation in Plasmodium falciparum](#)

Author: D V, Mamatharani

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/DVM

Acc. No.: TH621



Title: [A molecular perspective on membrane fission mechanisms in Vacuolar Protein Sorting](#)

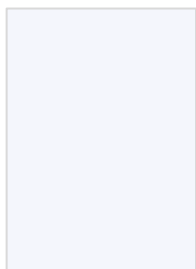
Author: Gopan, Shilpa

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/GOP

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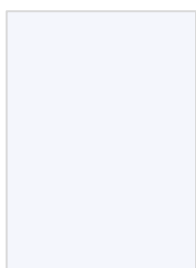
Title: [Role of RALA and its Ser194 phosphorylation in tumorigenesis in RAS-independent and RAS- dependent cancers](#)

Author: Konde, Mayuresh

Publisher: Pune: IISER Pune, 2024.

Call No.: 570/KON

Acc. No.: TH615



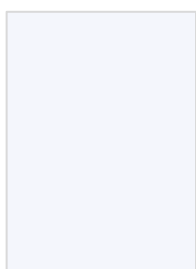
Title: [Analysis of mitochondrial dynamics and function in Drosophila gastrulation](#)

Author: Madan, Somya

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/MAD

Acc. No.: TH622



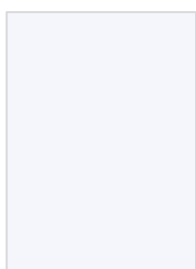
Title: [Understanding the molecular mechanism of mammalian prion protein misfolding](#)

Author: Pal, Suman

Publisher: Pune: IISER Pune, 2025

Call No.: 570/PAL

Acc. No.: TH598



Title: [Implications of prebiotic soup heterogeneity for nonenzymatic RNA replication and formation of primordial protocells](#)

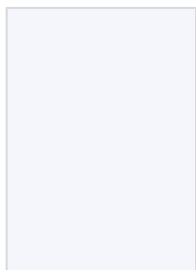
Author: Patki, Gauri

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/PAT

Acc. No.: TH623

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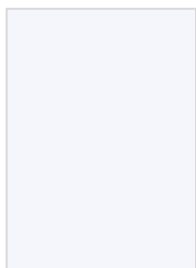
Title: [Analysis of local neighbourhoods in proteins](#)

Author: S., Mukundan

Publisher: Pune: IISER Pune, 2025.

Call No.: 570/SMU

Acc. No.: TH611



Title: [Remodeling of nucleoprotein complexes by a Type ISP restriction-modification enzyme LlaBIII](#)

Author: Gaiwala Sharma, Sujata S.

Publisher: Pune: IISER Pune, 2024.

Call No.: 570/SUJ

Acc. No.: TH617

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