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Monthly Bulletin of New Additions of Books and PhD Theses MAY 2023

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000 GENERALITIES

Bianconi, Ginestra.

[Multilayer networks: structure and function.](#)

Oxford: Oxford University Press, 2018. XIV, 402.

003.72/BIA

26224

Heitzinger, Clemens.

[Algorithms with JULIA](#)

Cham: Springer, 2022. XXI, 439

006.3/HEI

26237

Suryah, S G

[Man of the millennium: Paalam Kalyanasundaram 3rd Ed.](#)

Coimbatore: Footprints Publications LLP, 2020. XXI, 184.

020/SUR

26221

150 PSYCHOLOGY

Gardner, Howard

[Changing minds: the art and science of changing our own and other people's minds.](#)

Boston: Harvard Business School Press, 2006. XV, 244.

153.85/GAR

26187

Robson, David.

[Intelligence trap: why smart people make stupid mistakes - and how to make wiser decisions.](#)

London: Hodder & Stoughton Ltd., 2019. 337.

153.9/ROB

26206

Koepsell, David

[Scientific Integrity and Research Ethics: An Approach from the Ethos of Science.](#)

Cham: Springer, 2017. XIV, 115.

174.9/KOE

26233

Christian, Brian

[Alignment problem: how can machines learn human values?](#)

London: Atlantic Books, 2020. XII, 476.

174.90063/CHR

26201

300 SOCIAL SCIENCES

Bernstein, William J.

[Masters of the word: how media shaped history, from the alphabet to the Internet.](#)

New York: Grove Press, 2013. 420.

302.2309/BER

26196

Blair-Loy, Mary.

[Misconceiving merit: paradoxes of excellence and devotion in academic science and engineering.](#)

Chicago: University of Chicago Press, 2022. IX, 248.

306.45/BLA

26232

350 PUBLIC ADMINISTRATION

Goodman, Marc.

[Future crimes: everything is connected, everyone is vulnerable and what we can do about it.](#)

London: Bantam Press, 2015. 392.

364.168/GOO

26191

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500 NATURAL SCIENCES

Kuhn, Thomas S.

[The last writings of Thomas S. Kuhn: incommensurability in science.](#)

Chicago: University of Chicago, 2022. XLVIII, 302.

501/KUH

26235

Posnett, Edward.

[Strange harvests: the hidden histories of seven natural objects.](#)

New York: Viking, 2019. 323.

508/POS

26200

Jackson, Tom.

[History of science.](#)

Bath: Worth Press Ltd., 2019. 256.

509/JAC

26205

510 MATHEMATICS

Kar, Debaprasanna.

[Boundary behavior of the Carathéodory and Kobayashi-Eisenman volume elements and the Kobayashi-Fuks metric.](#)

Pune: IISER Pune, December - 2021. 65.

510/KAR

TH399 - PhD Thesis

Kernighan, Brian W.

[Millions, billions, zillions: defending yourself in a world of too many numbers.](#)

New Jersey: Princeton University Press, 2018. XIV, 160.

510/KER

26197

Yadav, Ravishankar Kapildev.

[A study of Component-Wise Semi-Markov Process.](#)

Pune: IISER Pune, November-2023. IX, 104.

510/YAD

TH408 - PhD Thesis

Singh, Salam Subhaschandra

[Special functions and fourier series: with boundary value problems and curve fitting.](#)

New Delhi: I. K. International Pvt. Ltd., 2022

515.2433/SIN

26225

Fursaev, Dmitri.

[Operators, geometry and quanta: methods of spectral geometry in quantum field theory.](#)

Dordrecht: Springer, 2011. XVI, 286.

516.362/FUR

26231

Cohen, Samuel N.

[Stochastic calculus and applications. - 2 Ed.](#)

New York: Birkhauser, 2015. XXIII, 666.

519.22/COH

26230

520 ASTRONOMY & ALLIED SCIENCES

Wali, Kameshwar C. Ed.

[S. Chandrasekhar : selected correspondence and conversations.](#)

Singapore: World Scientific, 2020. X, 314.

523.01092/WAL

26238

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Fletcher, Seth
[Einstein's shadow: a black hole, a band of astronomers, and the quest to see the unseeable.](#)
New York: HarperCollins Publishers, 2018. XXVII, 255
523.8875/FLE
26189

530 PHYSICS

Bhat, Bhagyashri Devaru
[Dichalcogen Semiconductors for Optoelectronic and Spintronic Applications.](#)
Pune: IISER Pune, January -2023. 175.
530/KAB
TH414 - PhD Thesis

Mitra, Debarshi
[Theoretical models of emergent structure and organization in \(bio-\) polymeric systems.](#)
Pune: IISER Pune, MAY-2023. XV, 247.
530MIT
TH410 - PhD Thesis

Sharma, Vandana
[Plasmon assisted optothermal control and manipulation of colloids and fluids.](#)
Pune: IISER Pune, January - 2023. XVII, 95.
530/SHA
TH403 - PhD Thesis

Singh, Chandan Kumar
[Superconductivity Magnetism and their Interplay in two-dimension.](#)
Pune: IISER Pune, April -2023. 230.
530/SIN
TH411 - PhD Thesis

Kulaga, Igor
[Explaining physics with the help of toy.](#)
New Jersey: World Scientific, Singapore. XII, 229.
530.078/KUL
26236

Isaacson, Walter
[Einstein: his life and universe.](#)
London: Simon & Schuster, 2007. XXII, 675.
530.092/ISA
26188

Levy, Joel
[Hawking Hawking: the selling of a scientific celebrity.](#)
London: Andre Deutsch, 2018. 160.
530.092/ LEV
26192

Rangamani , Mukund
[Holographic Entanglement Entropy.](#)
Cham: Springer, 2017. IX, 246.
530.14/RAN
26229

Flicker, Felix
[Magick of matter: crystals, chaos and the wizardry of physics.](#)
London: Profile Books Ltd., 2022. 328.
530.41/FLI
26223

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Shukla, P. K.
[Introduction to dusty plasma physics.](#)
Boca Raton: CRC Press, 2002. XIII, 269.
530.44/SHU
26239

Greiner, Walter
[Classical mechanics: systems of particles and Hamiltonian dynamics. - 2 Ed.](#)
Berlin: Springer, 2010. XVIII, 579.
531/GRE
26220

Sen, Paul
[Einstein's fridge: how the difference between hot and cold explains the universe.](#)
New York: Scribner, 2021. XII, 305.
536.7/SEN
26190

540 CHEMISTRY & ALLIED SCIENCES

Dey, Sanjit
[Construction of Ordered Self-Assembled Architectures from Peptide Foldamers Composed of Non-natural Amino Acids.](#)
Pune: IISER Pune, November-2022. XXVIII, 198.
540/DEY
TH412 - PhD Thesis

Krithika, V. R.
[Exploring nonlinear effects in spin-systems using NMR.](#)
Pune: IISER Pune, May-2023. XXII, 151.
540/KRI
TH400 - PhD Thesis

Maqbool, Shabnum
[Linear and Nonlinear Optical Properties and Ultrafast Dynamics of Hybrid Lead Halide Perovskites.](#)
Pune: IISER Pune, December - 2022. XX, 188
540/MAQ
TH405 - PhD Thesis

More, Yogeshwar
[Syntheses and Functional Studies of Advanced Porous Materials \(APMs\): A Promising Platform for Aquatic Pollutant Remediation and Energy Applications.](#)
Pune: IISER Pune, January - 2023. XVI, 6.2.
540/MOR
TH406 - PhD Thesis

Neetu
[Design and Synthesis of Ferroelectric Metal-Ligand Architectures and their Piezoelectric Energy Harvesting.](#)
Pune: IISER Pune, March- 2023. XII, 181.
540/NEE
TH413 - PhD Thesis

Sarkar, Meghamala
[Design, Synthesis, and Host-Guest Properties of Neutral Pd\(II\) Coordination Cages Supported by Imido-P\(V\) Anions.](#)
Pune: IISER Pune, March - 2023. XII, 251.
540/SAR
TH404 - PhD Thesis

Udaya, H. S.
[Synthesis, Conformational Dynamics and Spectro-electrochemical Characteristics of Core-Modified Expanded Isophlorinoids.](#)
Pune: IISER Pune, February-2023. VI, 160.
540/UDA
TH407 - PhD Thesis

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570 LIFE SCIENCES

Ghosh, Rituparna

[Plant-insect interaction beyond folivory: chemical ecology of a non-folivore herbivore Leucinodes orbonalis's interactio.](#)

Pune: IISER Pune, March - 2023. XV, 135.

570/GHO

TH401 - PhD Thesis

Nayak, Prajna

[Regulation of the Drosophila innate immune response by SUMO conjugation of amino-acyl tRNA Synthetases.](#)

Pune: IISER Pune, May-2023. V, 134.

570/NAY

TH409 - PhD Thesis

Singh, Nishant

[Form-Function Relation: Implications of Synaptic Design on Neuronal Function.](#)

Pune: IISER Pune, March - 2022. XVIII, 91.

570/SIN

TH402 - PhD Thesis

590 ZOOLOGICAL SCIENCES

Dinerstein, Eric

[Tigerland and other unintended destinations.](#)

Washington: Shearwater Book, 2005. 279.

590.92/DIN

26209

610 MEDICAL SCIENCES & MEDICINE

Sapolsky, Robert.

[Behave: the biology of humans at our best and worst.](#)

London: The Bodley Head, 2017. 790.

612.8/SAP

26186

Bhuyan, Abani K.

[Fundamental concepts of molecular spectroscopy.](#)

Boca Raton: CRC Press, 2023. XIII, 308.

616.07548/BHU

26243

620 ENGINEERING & ALLIED OPERATIONS

Paglione, J._Ed.

[Fundamentals of quantum materials: a practical guide to synthesis and exploration.](#)

620.11/PAG

26228

Kurzthaler, Christina_Ed.

[Out-of-equilibrium soft matter: active fluids.](#)

London: Royal Society of Chemistry, 2023.

620.112/KUR

26242

Muthunayagam, Abraham E.

[From space to sea: my ISRO journey and beyond.](#)

Gurugram: Harper Collins Publishers India, 2022. XL, 422.

629.4023/MUT

26226

630 AGRICULTURE

Vanderbilt, Tom

[Beginners: the joy and transformative power of lifelong Learning.](#)

London: Atlantic Books, 2021. 299.

646.7/VAN

26185

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700 ARTS

Tadgell, Christopher

[Antiquity: origins, classicism and the new Rome.](#)

New York: Routledge, 2017. VIII, 858.

720/TAD

26184

Tadgell, Christopher

[East: Buddhists, Hindus and the Sons of Heaven.](#)

London: Routledge, 2017. VIII, 904.

720/TAD

26203

Tadgell, Christopher

[Islam: from Medina to the Maghreb and from the Indies to Istanbul.](#)

New York: Routledge, 2017. 662.

720/TAD

26194

Tadgell, Christopher

[Reformations: from High Renaissance to mannerism in the new West of religious contention and colonial expansion.](#)

London: Routledge, 2017. 865.

720/TAD

26199

Tadgell, Christopher

[Transformations: Baroque and Rococo in the age of absolutism and the Church Triumphant.](#)

London: Routledge, 2017. 967.

720/TAD

26210

Tadgell, Christopher

[West: from the advent of Christendom to the eve of Reformation.](#)

London: Routledge, 2017. 916.

720/TAD

26207

Derham, Katie

[Classical music book.](#)

Delhi: DK, 2018. 352.

781.68/DER

26202

Brecher, Erwin

[Lateral thinking posers: more than 100 brainteasers to solve with logical reasoning.](#)

Carlton Books: London, 2010. 144.

793.73/BRE

26195

800 LITERATURE & RHETORIC

Puchner, Martin

[Written world: the power of stories to shape people, history, and civilization.](#)

New York: Random House, 2017. XXIII, 412.

809.93358/PUC

26208

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900 GEOGRAPHY & HISTORY

Macardle, Meredith

[History of ancient Asia.](#)

Bath: Worth Press Ltd., 2019. 256.

950.1/MAC

26204

Nilakanta Sastri, K. A.

[Illustrated history of South India: from prehistoric times to the fall of Vijayanagar.](#)

New Delhi: Oxford University Press, 2022. XXXII, 357.

954.8/SAS

26227

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