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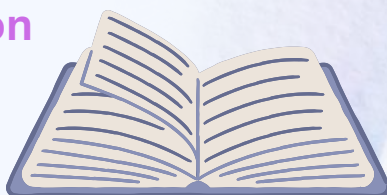
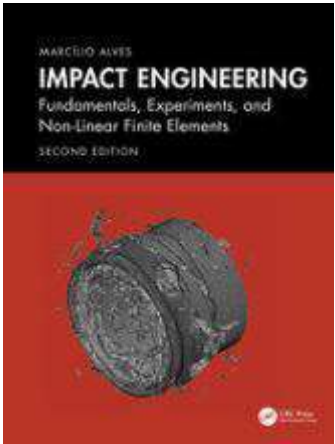
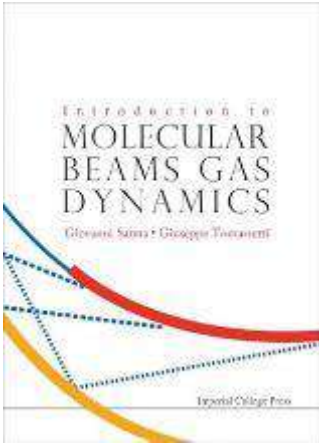
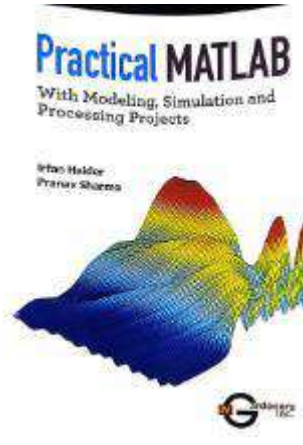
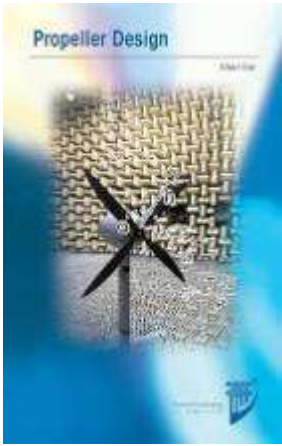


Table of Contents

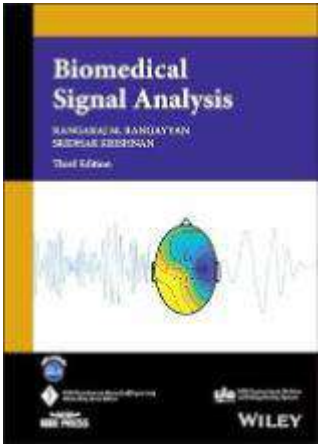
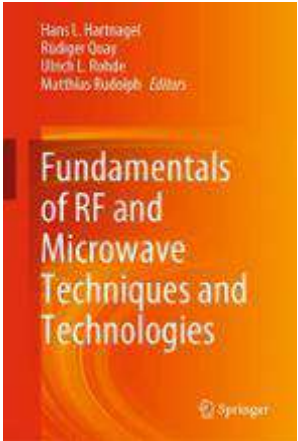
Departments/Centres/School/Units	Page No.
Applied Mechanics	1
Applied Research in Electronics.....	2
Atmospheric Sciences.....	5
Biomedical Engineering	5
Central Library *	7
Chemical Engineering.....	8
Chemistry	10
Civil Engineering.....	11
Computer Science and Engineering	16
Design	17
Energy Science and Engineering.....	18
Hindi Cell	18
Humanities and Social Sciences	20
Materials Science and Engineering.....	23
Mechanical Engineering.....	26
Optics and Photonics	30
Physics.....	31
Rural Development and Technology.....	36
School of Public Policy	38
Sensors Instrumentation and Cyber-physical System Engineering.....	40
Textile and Fibre Engineering	40
Theses Collection	42

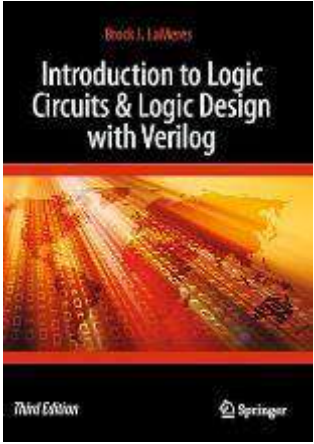
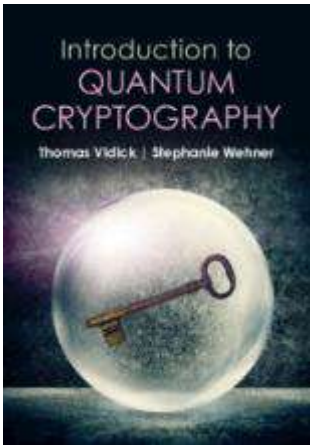
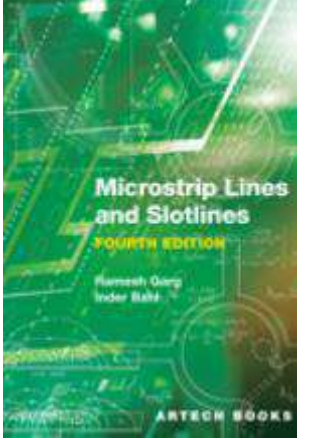
Applied Mechanics

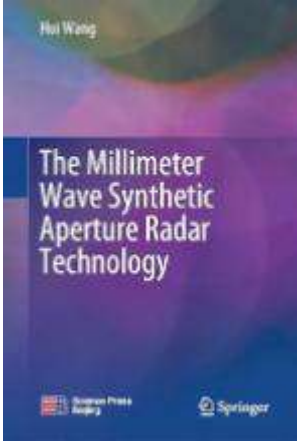
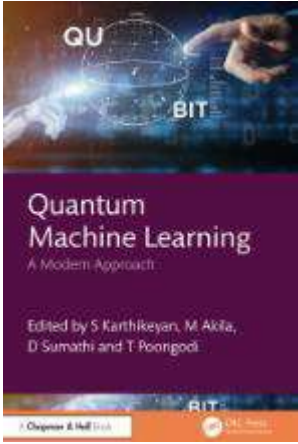
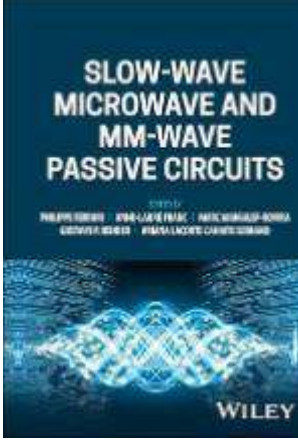
1		Impact engineering: fundamentals, experiments, non-linear finite elements by Marcilio Alves, 2nd ed., Boca Raton: CRC Press, 2025. xviii, 441 p. Includes index (p. 437-441) ISBN: 9781032766461 Subject Terms: Refrigerator; Cauchy stress; Plastic wave; Rotary inertia; Spectrum 620.17 ALV-I Barcode: 181005; CL Click here for more details.
2		Introduction to molecular beams gas dynamics by Giovanni Sanna and Giuseppe Tomassetti, London: Imperial College Press, 2005. xviii, 383 p. Includes index (p. 379-383) ISBN: 9781860945564 Subject Terms: Atomic physics; Gas dynamics; Molecular beams; Physical sciences and mathematics; Fluid dynamics 533.7 SAN-I Barcode: 181051-181052; CL; AM Click here for more details.
3		Practical MATLAB: with modeling, simulation and processing projects by Irfan Haider & Pranav Sharma, Jaipur: IV Gardeners, 2025. ix, 297 p. Includes references and index (p. 291-297) ISBN: 9788119145331 Subject Terms: Vectors and matrices; Fundamentals of MATLAB language; Economic modeling; Numerical methods; Data visualization and animation 681.3.06M HAI-P Barcode: 181013-181014; CL; AM Click here for more details.

4		Propeller design by Ohad Gur, Reston: American Institute of Aeronautics and Astronautics, 2024. xxvi, 318 p., AIAA education series. Includes index (p. 313-318) ISBN: 9781624107139 Subject Terms: Propellers; Aircraft propellers; Aerodynamic design; Propulsion systems; Fluid dynamics 533.695.8 GUR-P Barcode: 181043; AM Click here for more details.
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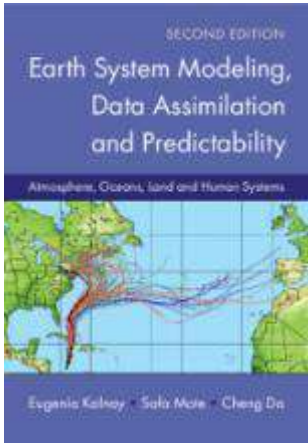
Applied Research in Electronics

5		Biomedical signal analysis by Rangaraj M. Rangayyan and Sridhar Krishnan, 3rd ed., Hoboken: Wiley, 2024. xxxix, 673 p., IEEE Press series in biomedical engineering. Includes index (p. 665-673) ISBN: 9781119825852 Subject Terms: Artifact; Coronary artery; Modulation; Gaussian noise; Homomorphic filtering 616-073:621.391 RAN-B Barcode: 181116; CL Click here for more details.
6		Fundamentals of RF and microwave techniques and technologies edited by Hans L. Hartnagel... (et al.), Cham: Springer, 2023. xx,iii, 550 p. ISBN: 9783030940980 Subject Terms: Electrodynamics; Electronic apparatus and appliances; Electronic circuits and systems; Microwave integrated circuits; Telecommunication 621.396:537-962 -FUN Barcode: 181001; CL Click here for more details.
		Back to Content

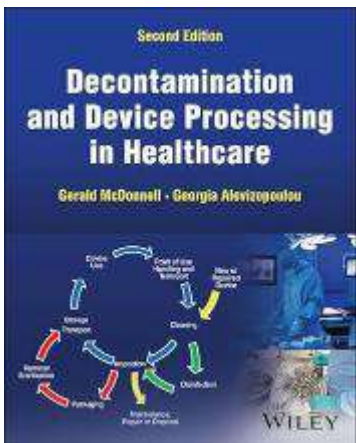
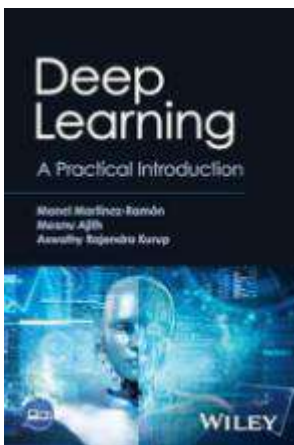
7		Introduction to logic circuits and logic design with verilog by Brock J. LaMeres, 3rd ed., Cham: Springer, 2024. xvii, 527 p. Includes index (p. 523-527) ISBN: 9783031439483 Subject Terms: Digital circuitry; Verilog; MSI logic; Sequential logic; Programmable logic 681.3.06V LAM-I Barcode: 181122; CL Click here for more details.
8		Introduction to quantum cryptography by Thomas Vidick and Stephanie Wehner, Cambridge: Cambridge University Press, 2024. xiii, 326 p. Includes index (p. 327) ISBN: 9781316515655 Subject Terms: Quantum computing - Security measures; Quantum information; Quantifying information; Delegated computation; Quantum entanglement 530.145:004.056.55 VID-I Barcode: 181108; CARE Click here for more details.
9		Microstrip lines and slotlines by Ramesh Garg and Inder Bahl, 4th ed., Norwood: Artech House, 2025. xvi, 594 p. Includes index (p. xvi, 594 p.) ISBN: 9781685690472 Subject Terms: Quasi-static analyses; Microstrip dispersion models; Microstrip transitions; Slotlines; Defected ground structure 621.382.3:681.13 GAR-M Barcode: 181036-181037; CL; CARE Click here for more details.

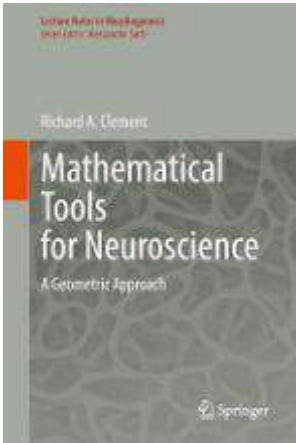
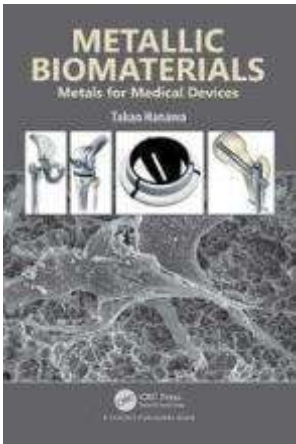
10		Millimeter wave synthetic aperture radar technology by Hui Wang, Beijing: Science Press, 2024. x, 362 p. Includes reference (p. 362) ISBN: 9789819710430 Subject Terms: Applied and technical physics; Astronomy - Observations; Communications engineering networks; Millimeter wave radar; Security systems 621.396.962 WAN-M Barcode: 181040-181041; CL; CARE Click here for more details.
11		Quantum machine learning: a modern approach edited by S. Karthikeyan... (et al.), Boca Raton: CRC Press, 2025. xi, 287 p. Includes index (p. 280-287) ISBN: 9781032544717 Subject Terms: Evolutionary computing; Quantum machine learning; Artificial intelligence; Computer engineering; Quantum classification 530.145:004.85 -QUA Barcode: 181038-181039; CL; CARE Click here for more details.
12		Slow-wave microwave and MM-wave passive circuits edited by Philippe Ferrari... (et al.), Hoboken: Wiley, 2025. xii, 196 p. Includes index (p. 187-196) ISBN: 9781119820161 Subject Terms: Amplifier; Plastic; Density; Diodes; copper 621.382:530.145.6 -SLO Barcode: 181125-181126; CL; CARE Click here for more details.

Atmospheric Sciences

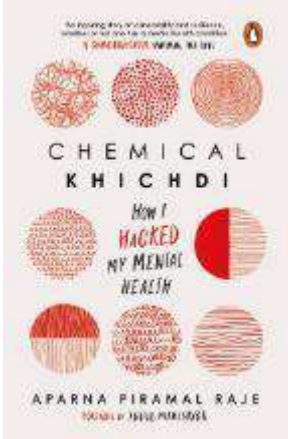
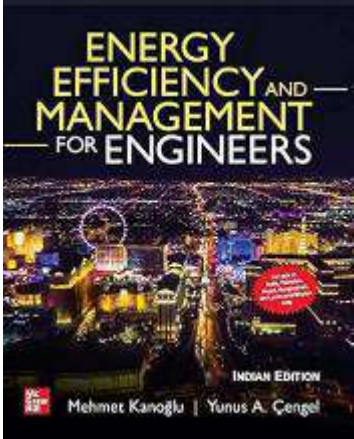
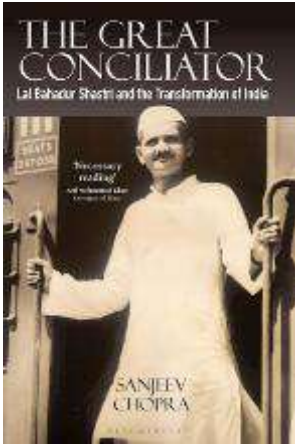
13		Earth system modeling, data assimilation and predictability: atmosphere, oceans, land and human systems by Eugenia Kalnay, Sula Mote and Cheng Da, 2nd ed., Cambridge: Cambridge University Press, 2024. xxxii, 340 p. Includes bibliography and index (p. 299-340) ISBN: 9781107401464 Subject Terms: Filter degeneracy; Strange attractors; Virtual temperature; Tempering; Absolute acceleration 91:004.78 KAL-E Barcode: 181098; CL Click here for more details.
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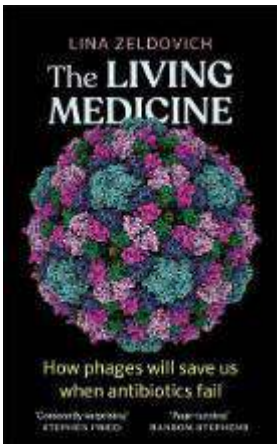
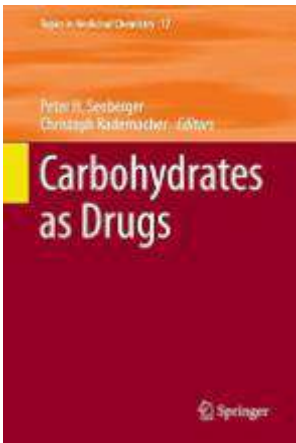
Biomedical Engineering

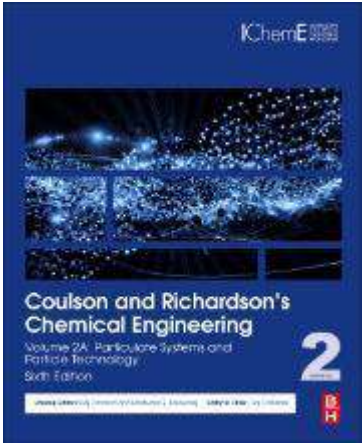
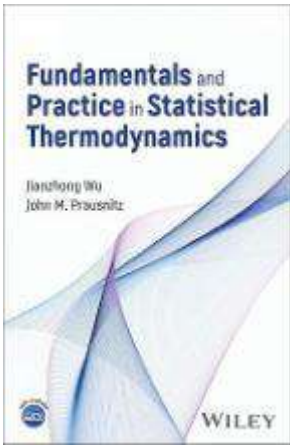
14		Decontamination and device processing in healthcare by Gerald McDonnell and Georgia Alevizopoulou, 2nd ed., Hoboken: Wiley, 2025. xv, 464 p. Includes index (p. 455-465) ISBN: 9781394206162 Subject Terms: Sterilization; Management; Storage and distribution; Gama radiation; Peracetic acid 614.48:615.4 MCD-D Barcode: 181104-181105; CL; CBME Click here for more details.
15		Deep learning: a practical introduction by Manel Martinez-Ramon, Meenu Ajith and Aswathy Rajendra Kurup, Hoboken: Wiley, 2024. xxiii, 391 p. Includes bibliography and index (p. 365-392) ISBN: 9781119861867 Subject Terms: Multilayer perceptron; Training practicalities; Deep learning tools; Convolutional neural networks; Attention mechanism 681.3 MAR-D Barcode: 181042; CL Click here for more details. Back to Content

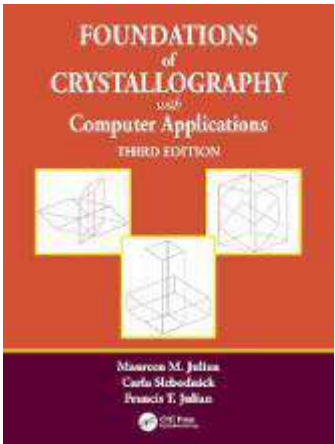
16		Handbook of nuclear medicine and molecular imaging for physicists edited by Michael Ljungberg, Boca Raton: CRC Press, 2022. xiii, 639 p. xi, 303 p. xv, 355 p., Series in medical physics and biomedical engineering. Includes bibliography (p. 639) ISBN: 9781032058689 Vol. I: Instrumentation and imaging procedures Vol. II: Modelling, dosimetry and radiation protection Vol. III: Radiopharmaceuticals and clinical applications Subject Terms: Image processing - Handbooks, Manuals, etc.; Radiology - Handbooks, Manuals, etc.; Diagnostic imaging - Handbooks, Manuals, etc.; Nuclear medicine - Handbooks, Manuals, etc.; Medicine - Handbooks, Manuals, etc. 615.31:616-079(021) -HAN Barcode: 181030-181035; CL; CBME Click here for more details.
17		Mathematical tools for neuroscience: a geometric approach by Richard A. Clement, Cham: Springer, 2022. x, 162 p., Lecture notes in morphogenesis. Includes index (p. 159-162) ISBN: 9783030984946 Subject Terms: Mind and brain; Manifolds - Mathematics; Neurosciences; Hebbian learning; Colour vision 616.8:510.6 CLE-M Barcode: 181060; CL Click here for more details.
18		Metallic biomaterials: metals for medical devices by Takao Hanawa, Boca Raton: CRC Press, 2025. xvii, 294 p. Includes index (p. 291-294) ISBN: 9781032413778 Subject Terms: Biological environment; Stainless steels; Titanium alloys; Surface morphology; Surface treatment 615.465 HAN-M Barcode: 181002; CL Click here for more details.

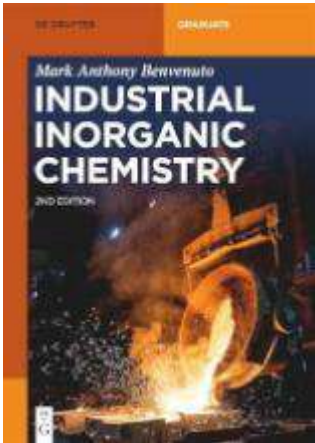
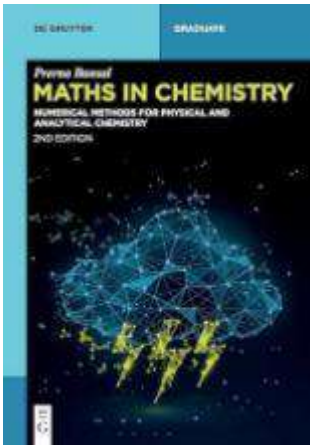
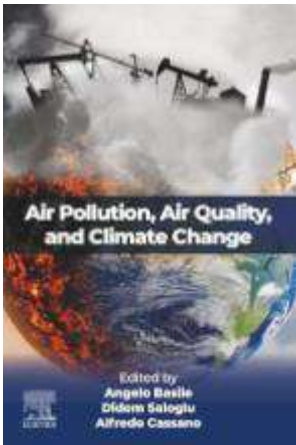
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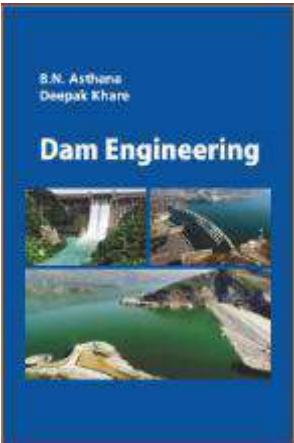
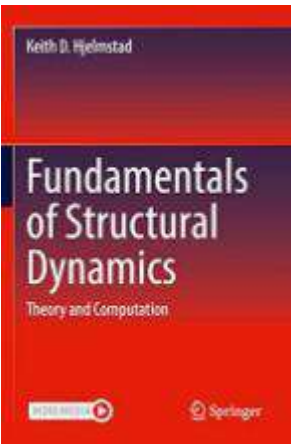
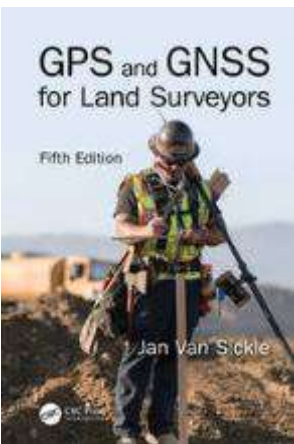
19		Chemical khichdi: how I hacked my mental health by Aparna Piramal Rajé, Gurugram: Penguin Random House, 2022. xxx, 274 p. ISBN: 9780143454359 Subject Terms: Medical therapies; Mental health; Childhood; Allies; Prayer 159.913 RAJ-C Barcode: 181119; CL Click here for more details.
20		Energy efficiency and management for engineers by Mehmet Kanoglu and Yunus A. Cengel, Chennai: McGraw Hill, 2020. x, 646 p. Includes index (p. 635-646) ISBN: 9789390385508 Subject Terms: Ventilation; Home appliances; Hydraulic diameter; Silicon; Thermal inertia BB 620.9 KAN-E Barcode: BB76745-BB76749; BB Click here for more details.
21		Great conciliator: Lal Bahadur Shastri and the transformation of India by Sanjeev Chopra, New Delhi: Bloomsbury Publishing, 2025. xviii, 369 p. Includes bibliography and index (p. 348-369) ISBN: 9789356408852 Subject Terms: Bhakti movement; Agriculture; Atlantic charter; Freedom; Financial hardship 94(540) CHO-G Barcode: 181049; CL Click here for more details.

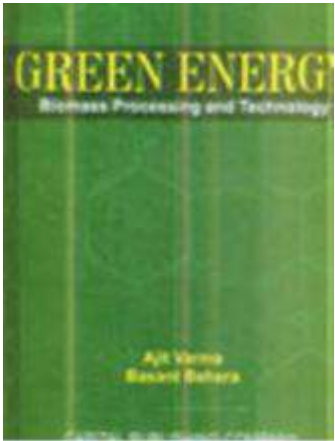
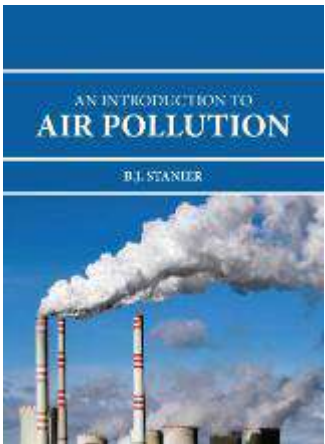
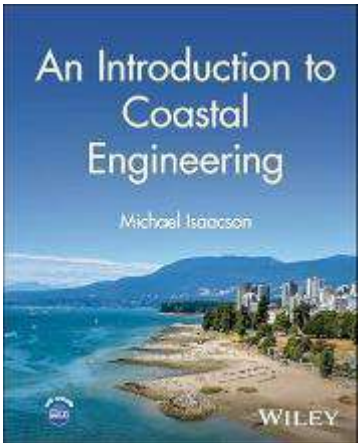
22		Librarian's guide to learning theory: practical applications in library settings by Ann Medaille, London: Facet Publishing, 2024. x, 177 p. Includes index (p. 171-177) ISBN: 9781783306992 Subject Terms: Multimedia; Observation; Self regulation; Motivation; Enquiry 028.6 MED-L Barcode: 181102; CL Click here for more details.
23		Living medicine: how phages will save us when antibiotics fail by Lina Zeldovich, London: Black and White Publishing, 2024. xi, 302 p. Includes index (p. 291-302) ISBN: 9781785307232 Subject Terms: Bacteria; Amoxicillin; Anthrax; Penicillin; Skin disease 615.33 ZEL-L Barcode: 181050; CL Click here for more details.
Chemical Engineering		
24		Carbohydrates as drugs edited by Peter H. Seeberger and Christoph Rademacher, Cham: Springer, 2014. 237 p., Topics in medicinal chemistry. Includes index (p. 235-237) ISBN: 9783319086743 Subject Terms: Macrophages; Glycoprotein; Parkinson's disease; Polyketides; Galectin modulators 615.3:547.454 -CAR Barcode: 181045; CL Click here for more details.

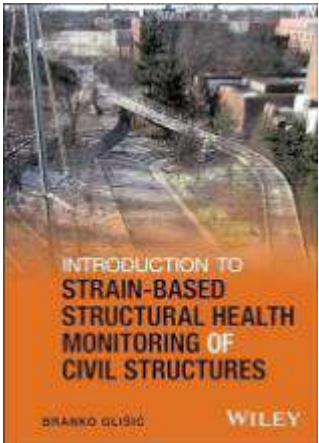
25		Coulson and Richardson's chemical engineering edited by Raj Chhabra and Madivala G. Basavaraj, 6th ed., Oxford: Butterworth-Heinemann, 2019. xxxviii, 833 p., Coulson and Richardson's chemical engineering series. Includes index (p.813-833) ISBN: 9780081010983 Subject Terms: Particulate Solids; Fluidisation; Particle characterization; Particle processing; Sedimentation 66-911.69 -COU Barcode: 180998; CL Click here for more details.
26		Fundamentals and practice in statistical thermodynamics by Jianzhong Wu and John M. Prausnitz, New Jersey: Wiley, 2024. xxi, 746 p. Includes index (p. 735-746) ISBN: 9781394161423 Subject Terms: Microscopic uncertainty; Entropy; Statistical thermodynamic; MD simulation; Canonical Ensemble 536.75 WU-F Barcode: 181048; CL Click here for more details.
27		Hydrogen purification and separation edited by Mohammad Reza Rahimpour, Mohammad Amin Makareh, Parvin Kiani, Boca Raton: CRC Press, 2025. xiii, 351 p., Handbook of hydrogen production and applications. Includes index (p. 343-351) ISBN: 9781032466057 Subject Terms: Environmental challenges; Economic assessments; Polymeric membranes; Zeolite membranes; Carbonaceous sorbents 662.769.2 -HYD Barcode: 181028; CL Click here for more details.
		Back to Content

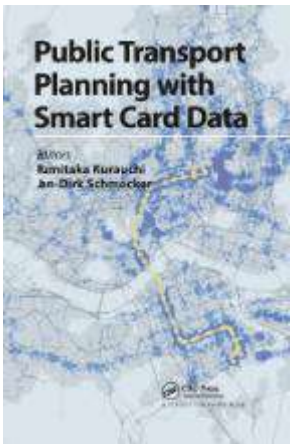
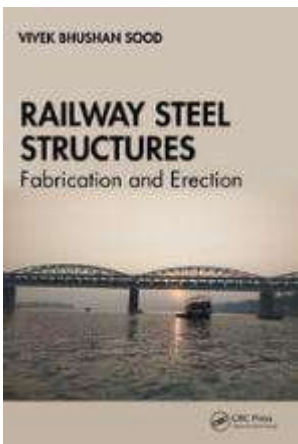
28		Hydrogen transportation and storage edited by Mohammad Reza Rahimpour, Mohammad Amin Makarem and Parvin Kiani, Boca Raton: CRC Press, 2025. xi, 270 p., Handbooks of hydrogen production and applications. Includes index (p. 263-270) ISBN: 9781032466101 Subject Terms: Hydrogen storage; Power and energy; Hydrogen as fuel; Renewable energy; Chemical processing and design 662.769.2:658.78 -HYD Barcode: 181046; CL Click here for more details.
29		Surface engineering of biomaterials: synthesis and processing techniques edited by Ajit Behera, Debasis Nayak and Biswajit Kumar Swain, Boca Raton: CRC Press, 2024. xxv, 613 p., Emerging materials and technologies. Includes index (p. 598-613) ISBN: 9781032552828 Subject Terms: Biomaterial surfaces; Nanoengineering; Magnetic nanoparticles; Corrosion; Smart biomaterials 615.46:621.79 -SUR Barcode: 181063; CL Click here for more details.
<u>Chemistry</u>		
30		Foundations of crystallography with computer applications by Maureen M. Julian, Carla Slebodnick and Francis T. Julian, 3rd ed., Boca Raton: CRC Press, 2025. xxxv, 488 p. Includes index (p. 481-188) ISBN: 9781032439426 Subject Terms: Crystal data; Bulk modulus; Atomic mass; Bond length; Powder diffraction 548:004 JUL-F Barcode: 181100; CL Click here for more details.

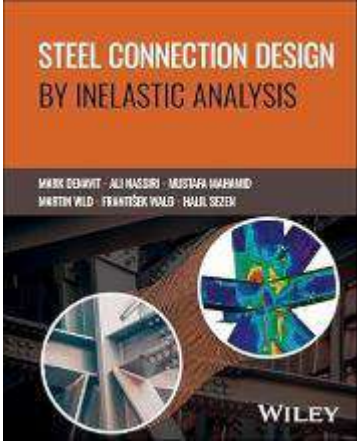
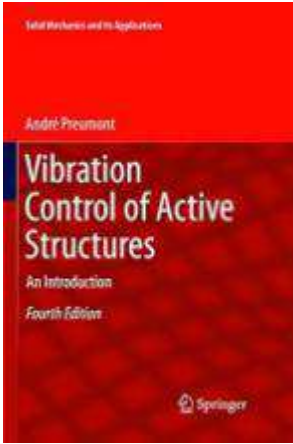
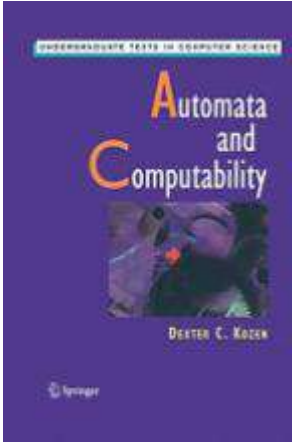
31		Industrial inorganic chemistry by Mark Anthony Benvenuto, 2nd ed., Berlin: De Gruyter, 2024. xiv, 197 p., De Gruyter graduate. Includes bibliography and index (p. 195-197) ISBN: 9783111329444 Subject Terms: Rare earth elements; Borderline inorganics–organics; Uranium; Thorium; Lightweight materials 546:66 BEN-I Barcode: 181115; CHY Click here for more details.
32		Maths in chemistry: numerical methods for physical and analytical chemistry by Prerna Bansal, 2nd ed., Berlin: De Gruyter, 2024. xii, 203 p., De Gruyter graduate. Includes index (p. 199-203) ISBN: 9783111333922 Subject Terms: Numerical integration; Differential equation; Descriptive statistics; Uncertainties and errors; Integrals 54:51 BAN-M Barcode: 181103; CL Click here for more details.
Civil Engineering		
33		Air pollution, air quality, and climate change edited by Angelo Basile, Didem Saloglu and Alfredo Cassano, Amsterdam: Elsevier, 2025. xiii, 283 p. Includes index (p. 273-283) ISBN: 9780443238161 Subject Terms: Meteorology; Carbon Capture; Atmospheric Pollutants; Biodiversity; Global air quality 614.71:502.3 -AIR Barcode: 181086; CL Click here for more details.

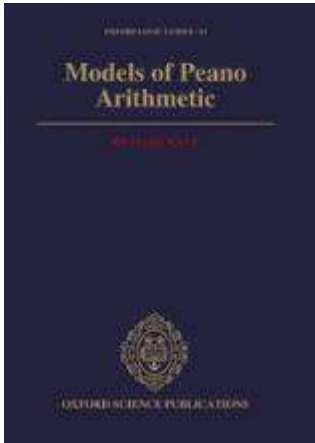
34		Dam engineering by B. N. Asthana and Deepak Khare, New Delhi: Capital Publishing, 2019. xvi, 360 p. Includes index (p. 357-360) ISBN: 9789381891469 Subject Terms: Dam design; Dam Projects; Cofferdams; Dam treatment; River closure 627.8 AST-D Barcode: 181077; CL Click here for more details.
35		Fundamentals of structural dynamics: theory and computation by Keith D. Hjelmstad, Cham: Springer, 2023. xviii, 552 p. Includes index (p. 547-552) ISBN: 9783030899462 Subject Terms: Differential equations; Degrees of freedom; Nonlinear response; Truss structures; Axial wave propagation 624.04:519.6 HJE-F Barcode: 181072; CL Click here for more details.
36		GPS and GNSS for land surveyors by Jan Van Sickle, 5th ed., Boca Raton: CRC Press, 2024. xix, 431 p. Includes index (p. 417-431) ISBN: 9781032521022 Subject Terms: Global Navigation; Static GNSS surveying; Realtime GNSS; Receivers; GPS Modernization 629.783 SIC-G Barcode: 181120; CL Click here for more details.
		Back to Content

37		Green energy: biomass processing and technology by Ajit Varma and Basant Behera, New Delhi: Capital Publishing, 2003. xii, 316 p. Includes index (p. 308-316) ISBN: 8185589135 Subject Terms: Biomass energy; Biomass liquefaction; Fuelwood farming; Petrocrop biomass processing; Biomass pyrolysis 620.92 VAR-G Barcode: 181078; CL Click here for more details.
38		Introduction to air pollution by B. J. Stanier, London: Ed Tech Press, 2025. xv, 359 p. Includes bibliography and index (p. 349-359) ISBN: 9781835350300 Subject Terms: Toxins; Carbon monoxide; Hydrogen sulphide; Fossil fuels; Volatile organic compounds 614.71 STA-I Barcode: 181087; CL Click here for more details.
39		Introduction to coastal engineering by Michael Isaacson, Hoboken: Wiley, 2025. xxi, 306 p. Includes index (p. 297-306) ISBN: 9781394257140 Subject Terms: Coastal flooding; Coastal structure design; Sediment transport; Marina design; Linear wave theory 627.2 ISA-I Barcode: 181079; CL Click here for more details.

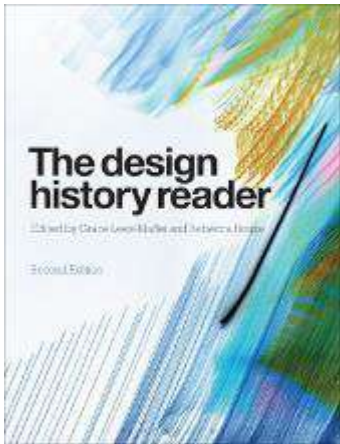
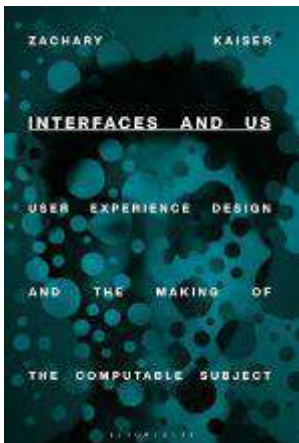
40		Introduction to strain-based structural health monitoring of civil structures by Branko Glisic, Croydon: Wiley, 2024. xxv, 342 p. Includes index (p. 333-342) ISBN: 9781118495353 Subject Terms: Strain measurements; Structural behaviors; Multiple sensors; Integrity scale; SHM system components 624.04 GLI-I Barcode: 181080; CL Click here for more details.
41		Microearthquake seismology and seismotectonics of South Asia by J. R. Kayal, New Delhi: Capital Publishing, 2008. xvii, 503 p. Includes index (p. 496-503) ISBN: 8185589267 Subject Terms: Nanofluids; Thermal Management; Emerging energy technologies; Defense application; Sustainable materials 550.34(5-13) KAY-M Barcode: 181081; CL Click here for more details.
42		Modern singular spectral-based denoising and filtering techniques for 2D and 3D reflection seismic data by R. K. Tiwari and R. Rekapalli, New Delhi: Capital Publishing, 2019. xi, 151 p. Includes index (p. 149-151) ISBN: 9789381891445 Subject Terms: Datagap filling; Seismic reflection data; Spectral analysis; Singular spectrum; Fast algorithms 624.04:550.34 TIW-M Barcode: 181082; CL Click here for more details.

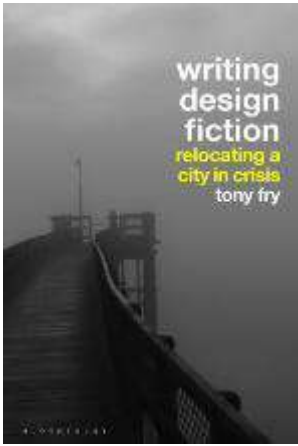
43		Planning and design of small hydro power projects by B. N. Asthana, New Delhi: Capital Publishing, 2025. xviii, 388 p. ISBN: 9788198100375 Subject Terms: Diversion structure; Hydrological studies; Field investigations; Sediment management; Electromechanical Equipment 621.311.2 AST-P Barcode: 181075; CL Click here for more details.
44		Public transport planning with smart card data edited by Fumitaka Kurauchi and Jan-Dirk Schmocker, Boca Raton: CRC Press, 2017. x, 264 p. Includes index (p. 263-264) ISBN: 9780367782641 Subject Terms: Simulations inputs; Road projects; Empirical analysis; Tram network; Realtime information 656.01:004.087.5 -PUB Barcode: 181085; CL Click here for more details.
45		Railway steel structures: fabrication and erection by Vivek Bhushan Sood, Boca Raton: CRC Press, 2025. xvii, 517 p. Includes index (p. 511-517) ISBN: 9781032393469 Subject Terms: Steel structures; Welding shop; Steel fabrication; Site assembly and erection; Materials shop 625.14:669.14 SOO-R Barcode: 181088; CL Click here for more details.
		Back to Content

46		Steel connection design by inelastic analysis: verification examples per AISC specification by Mark D. Denavit... (et al.), Hoboken: Wiley, 2025. xi, 369 p. Includes index (p. 363-369) ISBN: 9781394222155 Subject Terms: Buckling resistance; Bolt forces; Tension; Tension force; Shear stress 624.078.4 -STE Barcode: 181076; CL Click here for more details.
47		Vibration control of active structures: an introduction by André Preumont, 4th ed., Cham: Springer, 2018. xxiv, 518 p., Solids mechanics and its applications. Includes index (p. 514-518) ISBN: 9783319891682 Subject Terms: Electromagnetic transducers; Piezoelectric transducers; Collocated system; Vibration isolation; Cable structures 534.83 PRE-V Barcode: 181073; TB Click here for more details.
Computer Science and Engineering		
48		Automata and computability by Dexter C. Kozen, New York: Springer, 1997. xiii, 400 p., Undergraduate texts in computer science. Includes index (p. 389-400) ISBN: 9781461273097 Subject Terms: Enumeration; Dynamic programming; Markov system; Homomorphism; Encoding 681.3 KOZ-A Barcode: 181012; CL Click here for more details.

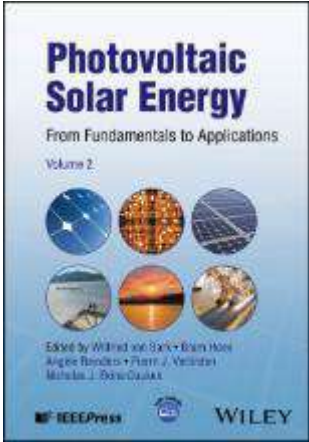
49		Models of Peano arithmetic by Richard Kaye, Oxford: Oxford University Press, 2011. x, 285 p., Oxford logic guides. Includes bibliography and index (p. 276-285)
		ISBN: 9780198532132
		Subject Terms: Scott sets; Friedman's theorem; Arithmetic hierarchy; Discrete models; Axioms
		510.67 KAY-M
		Barcode: 181109; CL
		Click here for more details.

Design

50		Design history reader edited by Grace Lees-Maffei and Rebecca Houze, 2nd ed., London: Bloomsbury Publishing, 2025. xxiii, 493 p. Includes bibliography and index (p. 461-493)
		ISBN: 9781350133495
		Subject Terms: Formalism; Creativity; Ecology; Adventure; Painting
		745/749(09) -DES
		Barcode: 181057; CL
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51		Interfaces and us: user experience design and the making of the computable subject by Zachary Kaiser, London: Bloomsbury Publishing, 2023. xii, 183 p. Includes bibliography and index (p. 166-183)
		ISBN: 9781350245242
		Subject Terms: Ontology; Neural network; Artificial intelligence; Hacking; Machine learning
		76:004 KAI-I
		Barcode: 181058; CL
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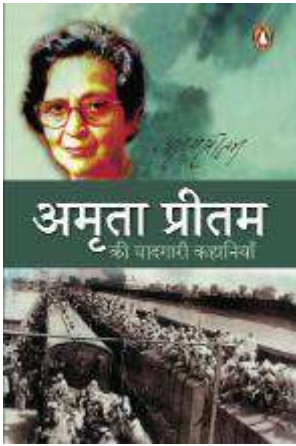
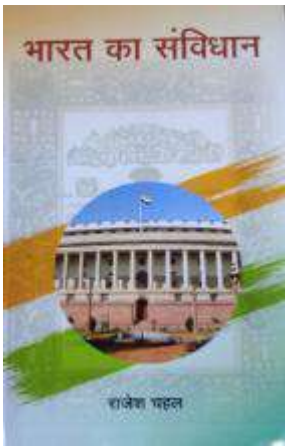
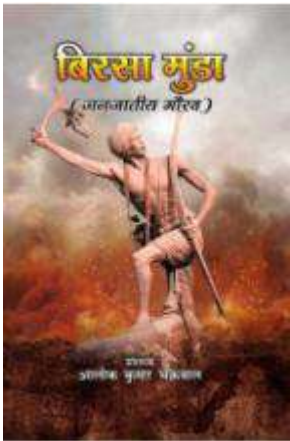
52		Writing design fiction: relocating a city in crisis by Tony Fry, London: Bloomsbury Publishing, 2023. 196 p. Includes index (p. 192-196) ISBN: 9781350217348 Subject Terms: Anthropology; Techno-culture; Globalisation; Management; Cosmology 74:82-3 FRY-W Barcode: 181059; CL Click here for more details.
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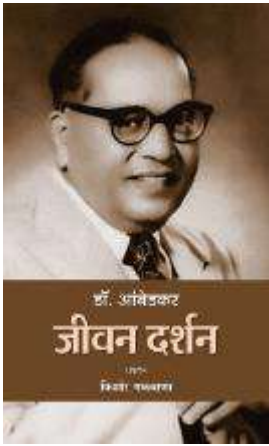
Energy Science and Engineering

53		Photovoltaic solar energy: from fundamentals to applications edited by Wilfried Van Sark... (et al.), Hoboken: Wiley, 2024. xxxvii, 597 p. Includes index (p. 579-597) ISBN: 9781119578819 Subject Terms: Silicon technologies; Solar cells; Nanophotonics; Photoluminescence; Quantum dots 621.472 -PHO Barcode: 181083; CL Click here for more details.
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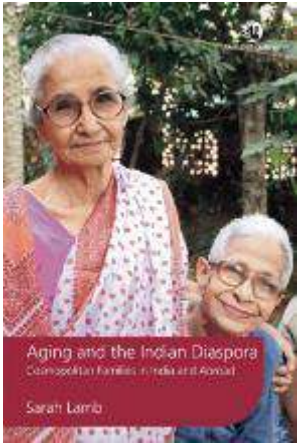
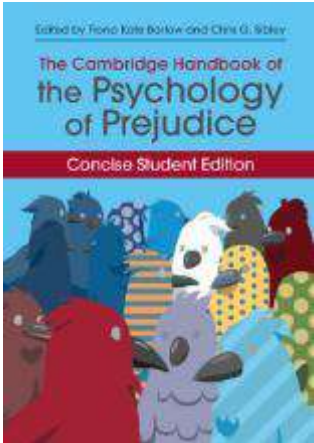
Hindi Cell

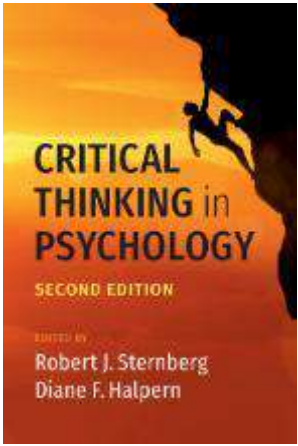
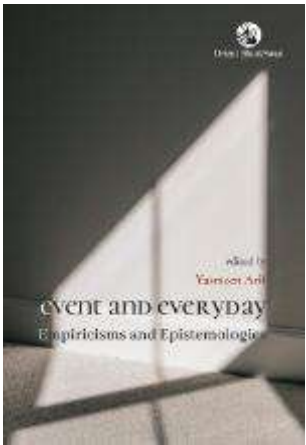
54		Ambedkar (अम्बेडकर): ek jeevan (एक जीवन) by Shashi Tharoor and translated by Amresh Dwivedi, New Delhi: Vani Prakshan, 2024. 218 p., Vani jeevani series. ISBN: 9789362878618 Subject Terms: Biography; Constitutional law; Social justice; Dalit rights; Indian politics H 929AMB THA-A Barcode: H373; CL Click here for more details. Back to Content
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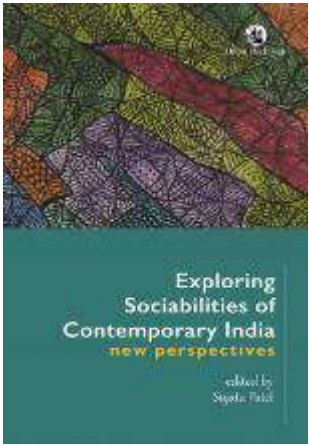
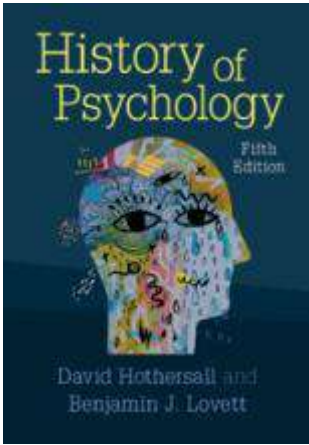
55		Amrita Pritam ki yaadgari kahaniyan (अमृता प्रीतम की यादगारी कहानियाँ) by Amrita Pritam, Gurugram: Penguin Random House, 2024. 163 p. ISBN: 9780143468165 Subject Terms: Feminist literature; Short stories; Indian literature; Social realism; Emotional depth H 82-32 PRI-A Barcode: H370; CL Click here for more details.
56		Bharat ka samvidhan (भारत का संविधान): naye sandarbh (नये सन्दर्भ) by Rajesh Chahal, New Delhi: Divyam Prakashan, 2022. 208 p. ISBN: 9789382658320 Subject Terms: Indian constitution; constitution law; Democracy; Indian politics; Political analysis H 342(540) CHA-B Barcode: H372; CL Click here for more details.
57		Birsa Munda (बिरसा मुंडा): janjatiye gaurav (जनजातीय गौरव) edited by Alok Kumar Chakrawal... (et al.), New Delhi: Kitabwale, 2022. xi, 203 p. ISBN: 9789390702701 Subject Terms: Tribal leader; Indian independence movement; Tribal rights; Indian freedom fighter; Ulgulan movement H 929MUN -BIR Barcode: H371; CL Click here for more details.

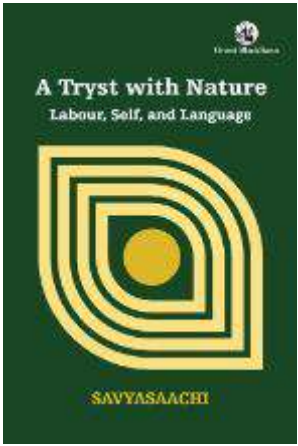
58		Dr. Ambedkar (डॉ. अम्बेडकर): jeevan darshan (जीवन दर्शन) edited by Kishor Makwana, New Delhi: Prabhat Prakashan, 2025. 295 p. ISBN: 9789353221676 Subject Terms: Biography; Life story; Social reform; Constitutional law; Indian politics H 929AMB -AMB Barcode: H374; CL Click here for more details.
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Humanities and Social Sciences

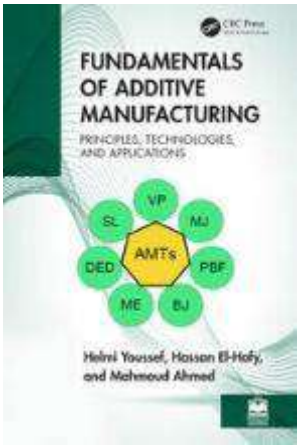
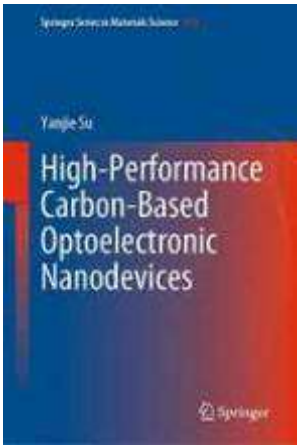
59		Aging and the Indian diaspora: cosmopolitan families in India and abroad by Sarah Lamb, Hyderabad: Orient BlackSwan, 2012. xvi, 336 p. Includes bibliography and index (p. 299-336) ISBN: 9788125045144 Subject Terms: Cultural identity; Family relationships; Migration; Social support; Cultural heritage 316.346.32-053.9(540) LAM-A Barcode: 181024; CL Click here for more details.
60		Cambridge handbook of the psychology of prejudice edited by Fiona Kate Barlow and Chris G. Sibley, Cambridge: Cambridge University Press, 2018. xvii, 442 p. Includes index (p. 439-442) ISBN: 9781108444361 Subject Terms: Motivational model – Handbooks, manuals etc.; Intergroup contact research – Handbooks, manuals etc.; Stereotyping – Handbooks, manuals etc.; Intergroup discrimination – Handbooks, manuals etc.; Ideology – Handbooks, manuals etc. RL-HB 316.647.8(021) -CAM Barcode: 181022-181023; CL; HSS Click here for more details.

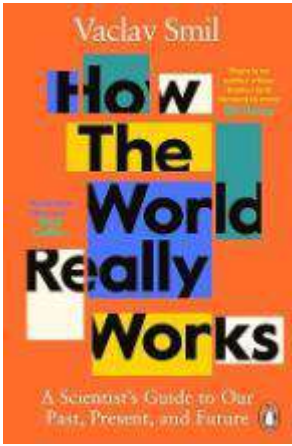
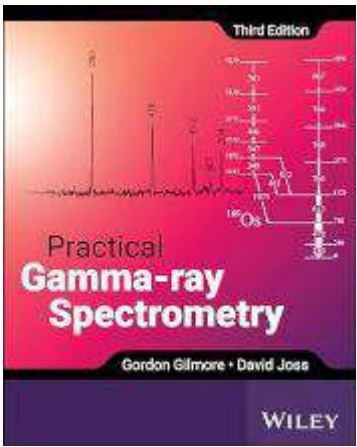
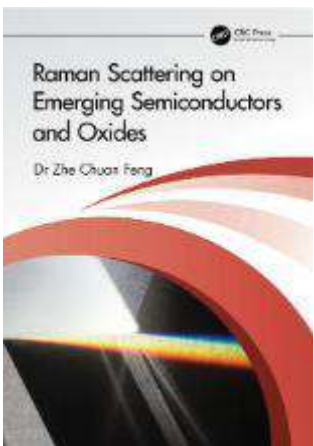
61		Critical thinking in psychology edited by Robert J. Sternberg and Diane F. Halpern, 2nd ed., Cambridge: Cambridge University Press, 2020. xi, 390 p. Includes index (p. 377-390) ISBN: 9781108739528 Subject Terms: Psychology; Progress; Promise; Paradox; Politics 159.955 -CRI Barcode: 181111-181112; CL; HSS Click here for more details.
62		Economic principles and problems: a pluralist introduction by Geoffrey Schneider, 2nd ed., Abingdon: Routledge, 2025. xxxviii, 998 p., Routledge pluralist introduction to economics. Includes index (p. 963-998) ISBN: 9781032619750 Subject Terms: Sustainability; Civil war; Human capital; Immigration; Neoliberalism 330.13 SCH-E Barcode: 181010; CL Click here for more details.
63		Event and everyday: empiricisms and epistemologies edited by Yasmeen Arif, Hyderabad: Orient BlackSwan, 2024. xviii, 329 p. Includes index (p. 318-329) ISBN: 9789354428319 Subject Terms: Activism; Adulthood; Bureaucracy; Cartography; Ethnography 101.8 -EVE Barcode: 181015-181016; CL; HSS Click here for more details.
		Back to Content

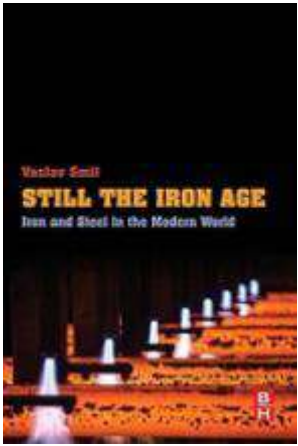
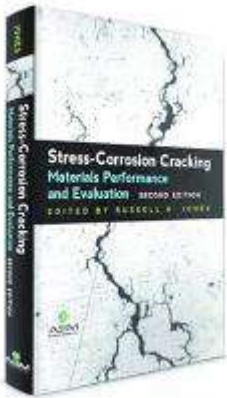
64		Exploring sociabilities of contemporary India: new perspectives edited by Sujata Patel, Hyderabad: Orient BlackSwan, 2020. ix, 318 p. Includes index (p. 307-318) ISBN: 9789352878475 Subject Terms: Hinduism; Brahmins; Civil society; Higher education; Literacy rate 316.47(540) -EXP Barcode: 181017; CL Click here for more details.
65		History of psychology by David Hothersall and Benjamin J. Lovett, 5th ed., Cambridge: Cambridge University Press, 2022. xiv, 574 p. Includes bibliography and index (p. 494-574) ISBN: 9781108732994 Subject Terms: Neuroscience; Central nervous system; Psychoanalysis; Intelligence testing; Neo behaviorist 159.9(091) HOT-H Barcode: 181113-181114; CL; HSS Click here for more details.
66		Of law and life: Upendra Baxi in conversation with Arvind Narrain, Lawrence Liang, Sitharamam Kakarala, and Sruti Chaganti by Upendra Baxi... (et al.), Hyderabad: Orient BlackSwan, 2024. xx, 582 p. Includes index (p. 549-582) ISBN: 9789354428135 Subject Terms: Epistemology; Jurisprudence; Constitutionalism; Human rights; Law 929BAX -OF Barcode: 181018-181019; CL; HSS Click here for more details.

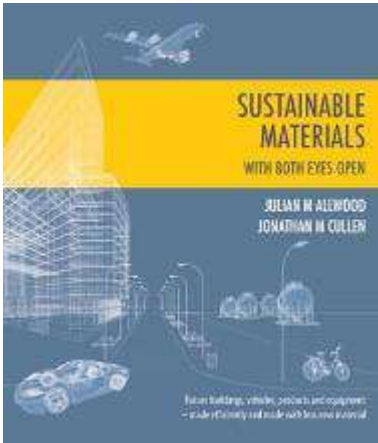
67		Tryst with nature: labour, self, and language by Savyasaachi, Hyderabad: Orient BlackSwan, 2024. xx, 203 p. Includes bibliography and index (p. 177-203) ISBN: 9789354424557 Subject Terms: Environment; Forest; Buddhism; Agriculture; Tourism 331:502.21 SAV-T Barcode: 181020-181021; CL; HSS Click here for more details.
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Materials Science and Engineering

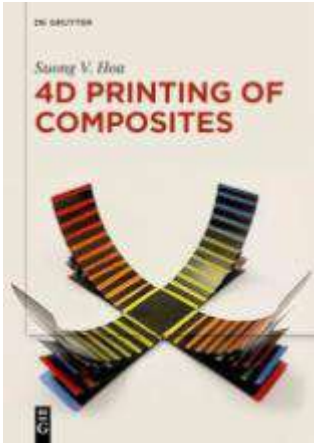
68		Fundamentals of additive manufacturing: principles, technologies, and applications by Helmi Youssef, Hassan El-Hofy and Mahmoud Ahmed, Boca Raton: CRC Press, 2025. xxxi, 419 p. Includes index (p. 417-719) ISBN: 9781032582634 Subject Terms: Binder jetting; Green composites; Titanium oxide; Hybrid machine; Shape memory polymer 621.7:681.6 YOU-F Barcode: 181101; CL Click here for more details.
69		High performance carbon based optoelectronic nanodevices by Yanjie Su, Singapore: Springer, 2022. xii, 190 p., Springer series in materials science. Includes index (p. 187-190) ISBN: 9789811654961 Subject Terms: Carbon nanostructures; Carbon-based heterojunction; Broadband photodetectors; Hybrid solar cells; Heterojunction solar cells 621.382:620.3 SU-H Barcode: 181029; DMSE Click here for more details.

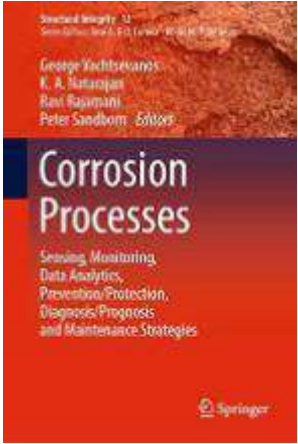
70		How the world really works: a scientist's guide to our past, present and future by Vaclav Smil, London: Penguin Random House, 2022. 326 p. Includes index (p. 309-326) ISBN: 9780241989678 Subject Terms: Water power; Semiconductor; Fossil fuels; Aristotle; Artificial intelligence 001.1 SMI-H Barcode: 181110; CL Click here for more details.
71		Practical gamma-ray spectrometry by Gordon Gilmore and David Joss, 3rd ed., Hoboken: Wiley, 2025. xxvii, 511 p. Includes index (p. 497-511) ISBN: 9781119896081 Subject Terms: Nuclear data; Saturation velocity; Secular equilibrium; Liquid nitrogen; Scattering 543.42 GIL-P Barcode: 181127; CL Click here for more details.
72		Raman scattering on emerging semiconductors and oxides by Zhe Chuan Feng, Boca Raton: CRC Press, 2025. xv, 155 p. Includes index (p. 153-155) ISBN: 9781032644899 Subject Terms: Elastic scattering; Porous silicon; Graphene; Diamond; Magnetron sputtering 544.174.5 FEN-R Barcode: 181128; CL Click here for more details.

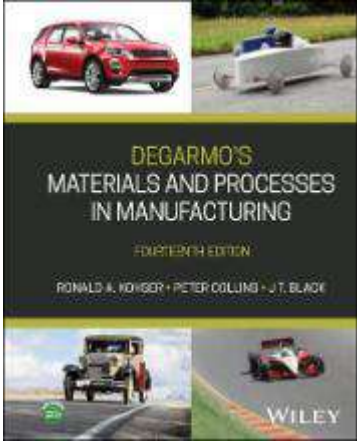
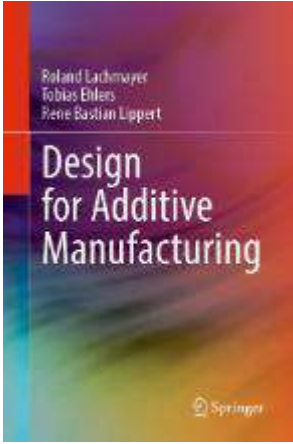
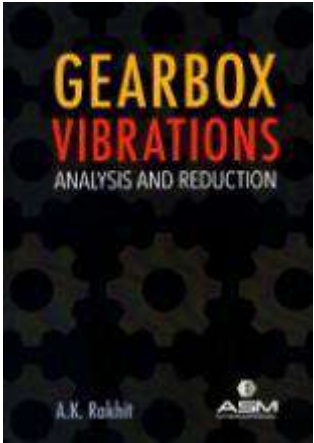
73		Still the iron age: iron and steel in the modern world by Vaclav Smil, Oxford: Butterworth-Heinemann, 2016. xi, 268 p. Includes appendix, references and index (pp. 239-268) ISBN: 9780128042335 Subject Terms: Iron age; Modern ironmaking; Modern steelmaking; Wrought iron; Steel production 669.1 SMI-S Barcode: 181011; CL Click here for more details.
74		Stress corrosion cracking: materials performance and evaluation edited by Russell H. Jones, 2nd ed., Ohio: ASM International, 2017. viii, 473 p. Includes index (p. 445-473) ISBN: 9781627081184 Subject Terms: High strength steels; Nickel base alloys; Copper alloys; Boiling water reactor; Titanium alloys 620.194.22 -STR Barcode: 181044; CL Click here for more details.
75		Stuff: the materials the world is made of by Ivan Amato, New York: Basic Books, 1997. ix, 294 p. Includes index (p. 285-294) ISBN: 9780465083282 Subject Terms: High technology; Popular works; Innovations technologies; Materials; Nanotechnologies 620.11 AMA-S Barcode: 181066; CL Click here for more details.
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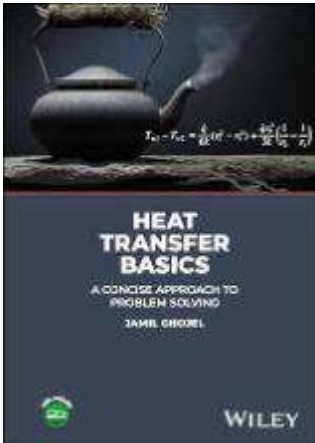
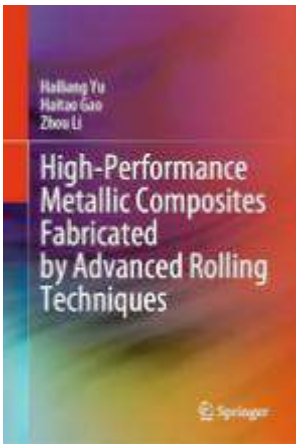
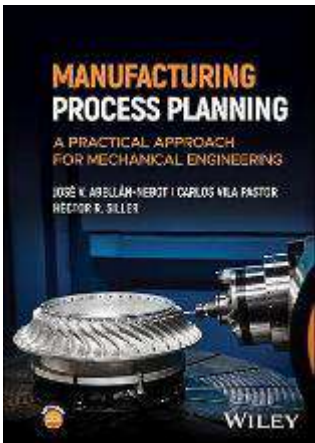
76		Sustainable materials: with both eyes open by Julian M. Allwood and Jonathan M. Cullen, Cambridge: UIT Cambridge, 2012. 373 p. Includes index (p. 367-371) ISBN: 9781906860059 Subject Terms: Combustion; Fuel consumption; Modularisation; Rationalisation; Multipolar cells 620.11:502.12 ALL-S Barcode: 181067; CL Click here for more details.
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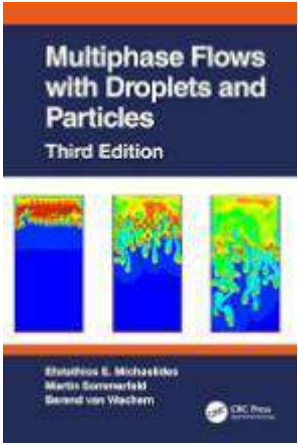
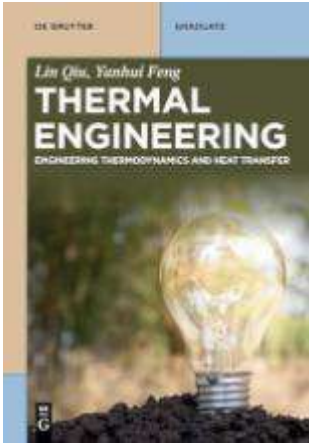
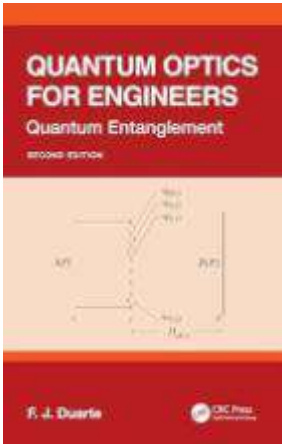
Mechanical Engineering

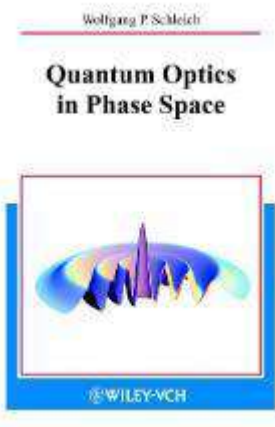
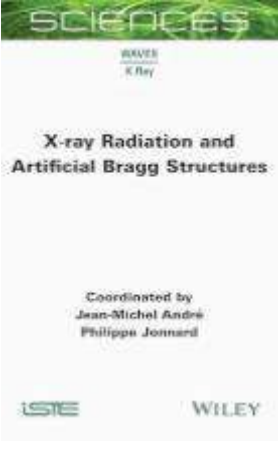
77		4D printing of composites by Suong V. Hoa, Berlin: De Gruyter, 2025. xii, 184 p. Includes index (p. 183-184) ISBN: 9783110668445 Subject Terms: C structures; Laminate theory; Shape transformation; Composites materials; U structures 621.7:681.62 HOA-P Barcode: 181090; CL Click here for more details.
78		Additive manufacturing in multidisciplinary cooperation and production edited by Igor Drstvensek, Snehashis Pal and Natasa Ihan Hren, Cham: Springer, 2024. xi, 263 p., Springer tracts in additive manufacturing. ISBN: 9783031376702 Subject Terms: Temperature fields; Fiber reinforced polymeric; Automotive industry; Cellulosic structure; Bioprinting 621.7:681.6 -ADD Barcode: 181118; CL Click here for more details.

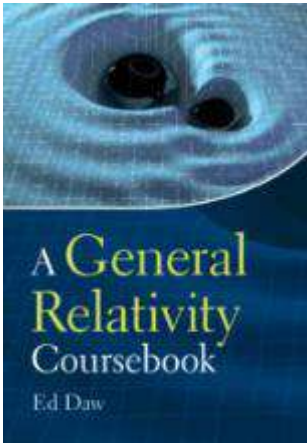
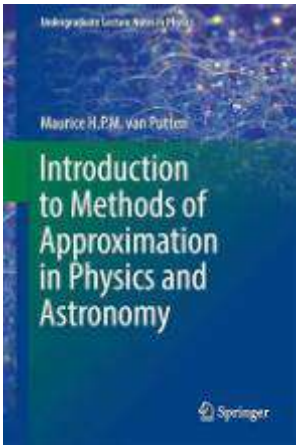
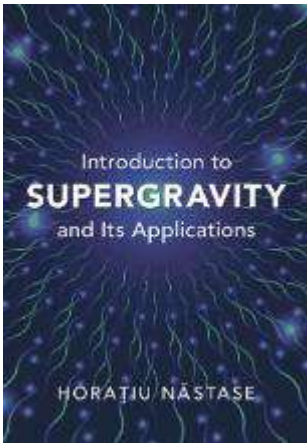
79		Additive manufacturing of glass: from science to applications edited by Bastian E. Rapp and Frederik Kotz-Helmer, Amsterdam: Elsevier, 2024. xi, 284 p., Additive manufacturing materials and technologies. Includes index (p. 277-284) ISBN: 9780323854887 Subject Terms: Polymerization; Silicate glasses; Steric stabilization; Material science; Sheet lamination 621.7:681.6 -ADD Barcode: 181129; CL Click here for more details.
80		Comprehensive approach to digital manufacturing by Arif Sirinterlikci and Yalcin Ertekin, Cham: Springer, 2023. xiv, 365 p., Synthesis lectures on Mechanical Engineering. ISBN: 9783031253539 Subject Terms: Virtual simulation; Food printing; Stereolithography; Binder jetting; Filament fabrication 67.02:004 SIR-C Barcode: 181117; CL Click here for more details.
81		Corrosion processes: sensing, monitoring, data analytics, prevention/protection, diagnosis/prognosis and maintenance strategies edited by George Vachtsevanos... (et al.), Cham: Springer, 2020. vii, 339 p., Structural Integrity. ISBN: 9783030328306 Subject Terms: Corrosion modeling; Prognostic technologies; Concrete structures; Junction potential; Data mining 620.193 -COR Barcode: 181130; CL Click here for more details.

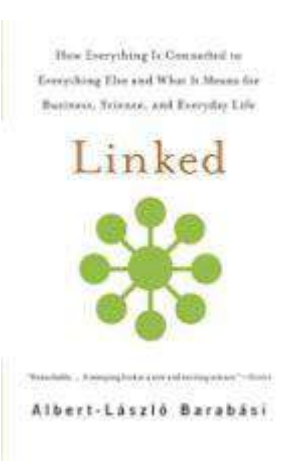
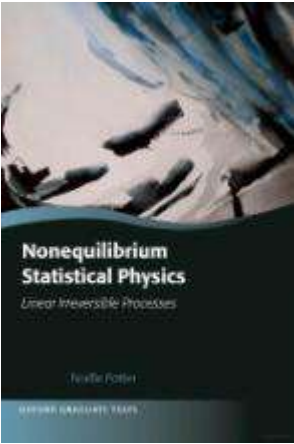
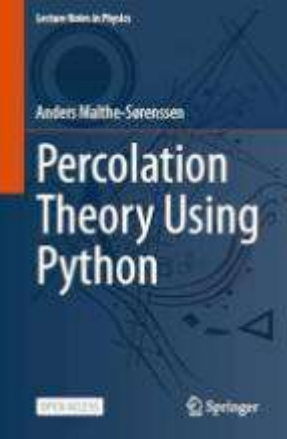
82		DeGarmo's materials and processes in manufacturing by Ronald A. Kohser, Peter Collins and J. T. Black, 14th ed., Hoboken: Wiley, 2025. xvi, 927 p. Includes index (p. 895-927) ISBN: 9781394173051 Subject Terms: Thermal energy; Shear velocity; Radio frequency; Electron; Polymer 621.7/.9 KOH-D Barcode: 181131; CL Click here for more details.
83		Design for additive manufacturing by Roland Lachmayer, Tobias Ehlers and Rene Bastian Lippert, Berlin: Springer, 2024. xi, 257 p. Includes bibliography and index (p. 253-257) ISBN: 9783662684627 Subject Terms: Pyrometry; Heat conduction; wheel carrier; Residual stress; Nesting 621.7:681.6 LAC-D Barcode: 181133; CL Click here for more details.
84		Gearbox vibrations: analysis and reduction by A. K. Rakhit, Ohio: ASM International, 2024. xi, 155 p. Includes index (p. 147-155) ISBN: 9781627084338 Subject Terms: Damping; Amplitude; Lateral excitation; Viscosity; Turbogenerator 629.3.015.5 RAK-G Barcode: 181134; CL Click here for more details.

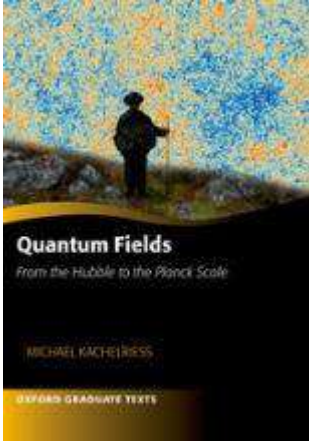
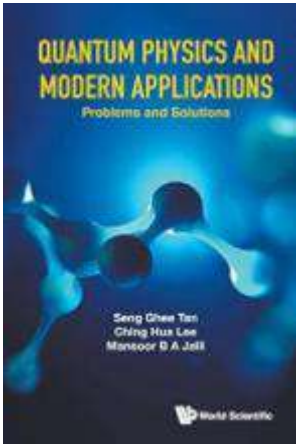
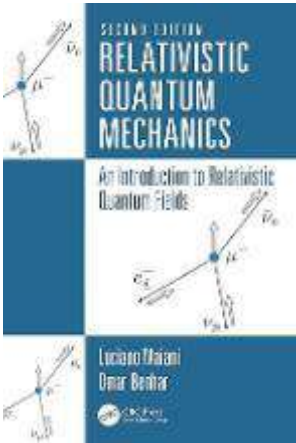
85		Heat transfer basics: a concise approach to problem solving by Jamil, Ghajel, Hoboken: Wiley, 2024. xxi, 531 p. Includes index (p. 513-531) ISBN: 9781119840268 Subject Terms: Saturated air; Shear stress; Pool boiling; Forced flows; Methane 536.24 GHJ-H Barcode: 181093; CL Click here for more details.
86		High-performance metallic composites fabricated by advanced rolling techniques by Hailiang Yu, Haitao Gao and Zhou Li, Singapore: Springer, 2024. x, 286 p. ISBN: 9789819743308 Subject Terms: Microstructure evolution; Metallic composites; Bonding mechanism; Thermal stability; Morphology 620.17:661.8 YU-H Barcode: 181132; CL Click here for more details.
87		Manufacturing process planning: a practical approach for mechanical engineering by Jose V. Abellan-Nebot, Carlos Vila Pastor and Hector R. Siller, Hoboken: Wiley, 2025. xix, 411 p. Includes index (p. 405-411) ISBN: 9781394273508 Subject Terms: Casting process; Hot tearing; Injection molding; Molten metal; Parting plane 67.02 NEB-M Barcode: 181092; CL Click here for more details.
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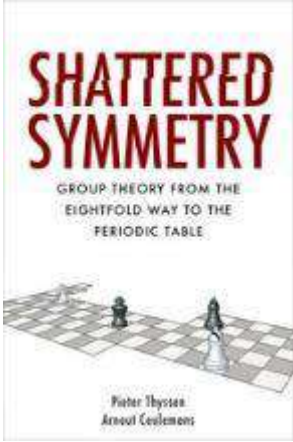
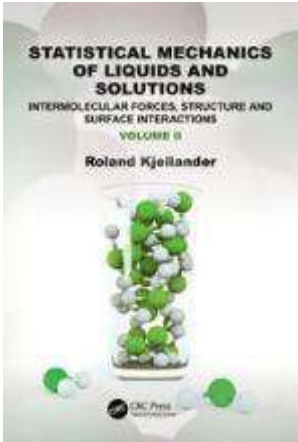
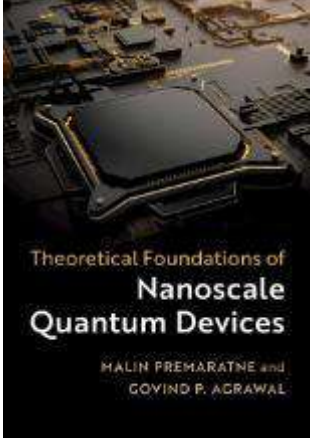
88		Multiphase flows with droplets and particles by Efstathios E. Michaelides, Martin Sommerfeld and Berend Van Wachem, 3rd ed., Boca Raton: CRC Press, 2023. xxiii, 453 p. Includes index (p. 451-453) ISBN: 9780367544348 Subject Terms: Critical heat flux; Film viscosity; Slurry transport; Momentum coupling; Light attenuation 532.5 MIC-M Barcode: 181089; CL Click here for more details.
89		Thermal engineering: engineering thermodynamics and heat transfer by Lin Qiu and Yanhui Feng, Berlin: De Gruyter, 2024. xii, 279 p., De Gruyter graduate. Includes index (p. 277) ISBN: 9783111329697 Subject Terms: Thermal conduction; Convection heat transfer; Radiative heat transfer; Saturated vapor; Superheated water vapor 536.7 QIU-T Barcode: 181091; CL Click here for more details.
Optics and Photonics		
90		Quantum optics for engineers: quantum entanglement by F. J. Duarte, 2nd ed., Boca Raton: CRC Press, 2024. xviii, 403 p. Includes index (p. 399-403) ISBN: 9781032499345 Subject Terms: Quantum mechanics; Feynman lectures; Planck's quantum; Heisenberg's uncertainty principle; Beam divergence 530.145:535 DUA-Q Barcode: 181121; OPC Click here for more details.

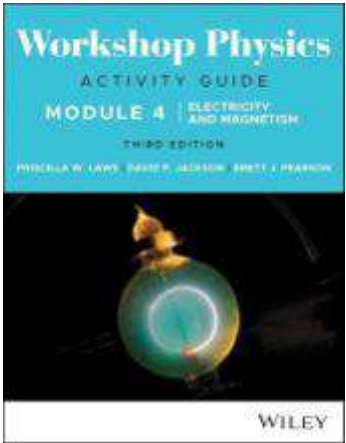
91		Quantum optics in phase space by Wolfgang P. Schleich, Berlin: Wiley, 2001. xx, 695 p. Includes index (p. 688-695) ISBN: 9783527294350 Subject Terms: Radiation field; Optical interferometry; Paul trap; Atom optics; Harmonic oscillator 535.14 SCH-Q Barcode: 181054; CL Click here for more details.
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Physics		
93		Advances in plasma physics research edited by Francois Gerard, New York: Nova Science Publishers, 2011. xi, 189 p., Advances in plasma physics research. Includes index (p. 185-189) ISBN: 9781611229837 Subject Terms: Plasma turbulent; Nonlinear dynamics; Electromagnetic field; Plasmasphere; Transport modelling 533.9:001.891 -ADV Barcode: 181055; CL Click here for more details.

94		General relativity coursebook by Ed Daw, Cambridge: Cambridge University Press, 2023. xii, 197 p. Includes index (p. 195-197) ISBN: 9781009242448 Subject Terms: Chain rule; Calculus; Coordinate; Riemann curvature; Triangle 530.12 DAW-G Barcode: 181006; CL Click here for more details.
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96		Introduction to supergravity and its applications by Horatiu Nastase, Cambridge: Cambridge University Press, 2024. xvi, 426 p. Includes index (p.421-426) ISBN: 9781009445597 Subject Terms: Kinematics; Supersymmetry; General relativity; Degrees of freedom; Spin connection 531.51 NAS-I Barcode: 181107; CL Click here for more details.
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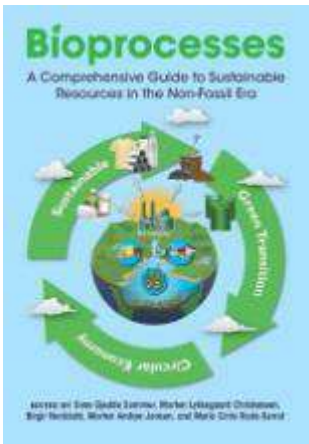
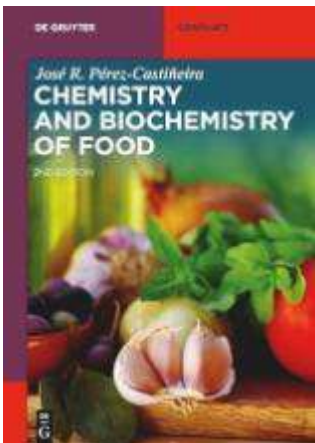
97		Linked: how everything is connected to everything else and what it means for business, science, and everyday life by Albert-laszlo Barabasi, New York: Basic Books, 2014. 294 p. Includes index(p. 281-294) ISBN: 9780465085736 Subject Terms: Network science; Complex systems; Interconnectedness; Graph theory; Systems thinking 001.1 BAR-L Barcode: 181064-181065; CL; PH Click here for more details.
98		Nonequilibrium statistical physics: linear irreversible processes by Noelle Pottier, Oxford: Oxford University Press, 2025. xix, 491 p., Oxford graduate texts. Includes index (p. 481-191) ISBN: 9780198961536 Subject Terms: Stochastic process; Conductivity; Coulomb interaction; Brownian moment; Density matrix 531.19 POT-N Barcode: 181007; PH Click here for more details.
99		Percolation theory using python by Anders Mølthe-Sørensen, Cham: Springer, 2024. x, 214 p., Lecture notes in physics. Includes references and index (p. 209-214) ISBN: 9783031598999 Subject Terms: Complex systems; Computer simulation; Condensed matter; Geophysics; Porous materials 519.2:004.43P MAL-P Barcode: 181047; CL Click here for more details.
		Back to Content

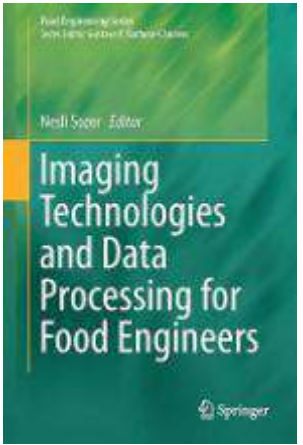
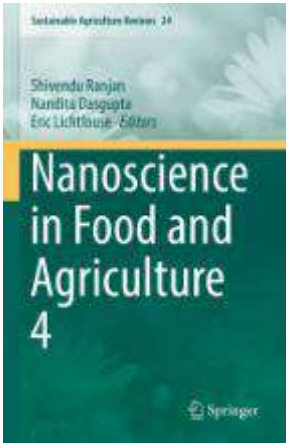
100		Quantum fields: from the hubble to the planck scale by Michael Kachelriess, Oxford: Oxford University Press, 2022. xv, 530 p., Oxford graduate texts. Includes references and index (p. 518-530) ISBN: 9780192873491 Subject Terms: Quantum mechanics; Spacetime symmetric; Scattering processes; Gauge theories; Thermal field theory 530.145 KAC-Q Barcode: 181009; CL Click here for more details.
101		Quantum physics and modern applications: problems and solutions by Seng Ghee Tan, Ching Hua Lee and Mansoor B. A . Jalil, Singapore: World Scientific Publishing, 2023. xii, 284 p. ISBN: 9789811271014 Subject Terms: Divergence theorem; Heat capacity; Density matrix; Harmonic oscillator; Topology 530.145 TAN-Q Barcode: 181056; CL Click here for more details.
102		Relativistic quantum mechanics: an introduction to relativistic quantum fields By Luciano Maiani and Omar Benhar, 2nd ed., Boca Raton: CRC Press, 2025. xiii, 345 p. Includes bibliography and index (p. 331-345) ISBN: 9781032565941 Subject Terms: Neutron decay; Dyson formula; Electrodynamics; Micro-causality; Photon propagator 530.145 MAI-R Barcode: 181008; CL Click here for more details.
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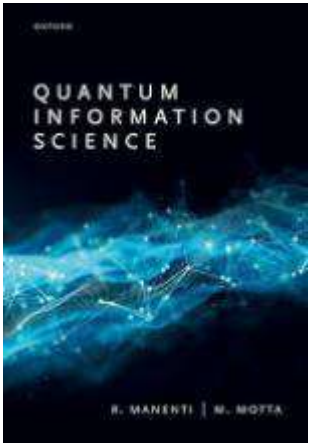
103		Shattered symmetry: group theory from the eightfold way to the periodic table by Pieter Thyssen and Arnout Ceulemans, New York: Oxford University Press, 2017. xxi, 498 p. Includes index (p. 491-498) ISBN: 9780190611392 Subject Terms: Axial rotation; Scholium II; SO(4) group; SO(3) group; SU(2) and electron spin 531.111.5 THY-S Barcode: 181068-181069; CL; PH Click here for more details.
104		Statistical mechanics of liquids and solutions: intermolecular forces, structure and surface interactions by Roland Kjellander, Boca Raton: CRC Press, 2025. xlii, 489 p. Includes index (p. 483-489) ISBN: 9781032261621 Subject Terms: Polarization; Kinetic energy; Classical plasma; Adelman theory; Chain rule 531.19:54-14 KJE-S Barcode: 181061; CL Click here for more details.
105		Theoretical foundations of nanoscale quantum devices by Malin Premaratne and Govind P. Agrawal, Cambridge: Cambridge University Press, 2021. x, 287 p. Includes index (p. 281-287) ISBN: 9781108475662 Subject Terms: Quantum transport; Decoherence; Green's function; Spectral density; Noise spectra 530.145:620.3 PRE-T Barcode: 181062; TB Click here for more details.

106		Workshop physics: activity guide by Priscilla W. Laws, David P. Jackson and Brett J. Pearson, 3rd ed., Hoboken: Wiley, 2024. viii, v. p. Includes index ISBN: 9781119856610 Subject Terms: Insulators; Electrostatic forces; Point charge; Capacitor; Alternating current 537 LAW-W Barcode: 181084; CL Click here for more details.
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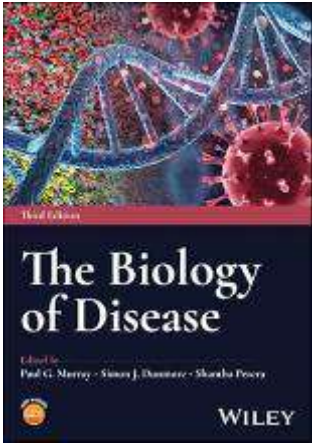
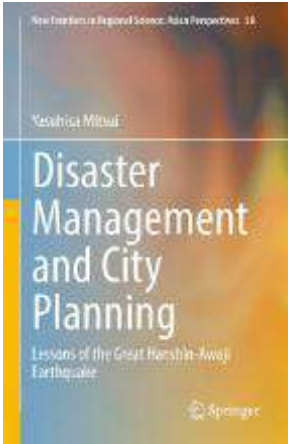
Rural Development and Technology

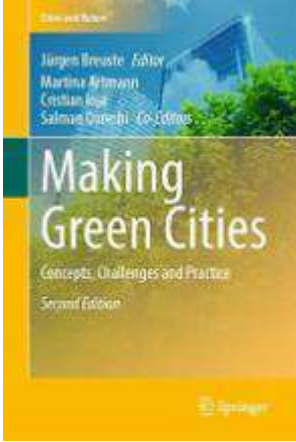
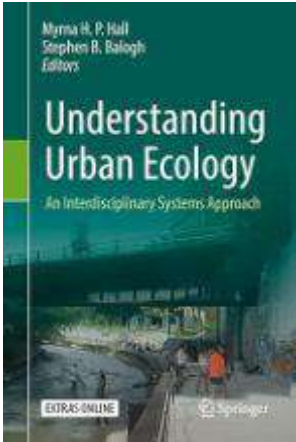
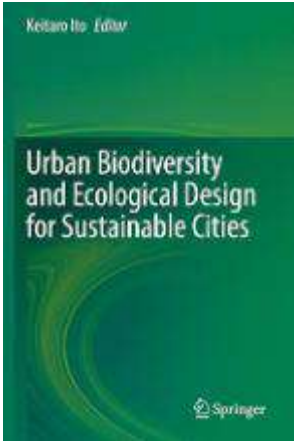
107		Bioprocesses: a comprehensive guide to sustainable resources in the non-fossil era edited by Sven Gjedde Sommer... (et al.), Cambridge: Cambridge University Press, 2025. xv, 432 p. Includes index (p. 429-432) ISBN: 9781108844345 Subject Terms: Centrifugation; Bioreactors; Biomass fractionation; Volatile solids; Energy crops 602.4:330.34 -BIO Barcode: 181106; CL Click here for more details.
108		Chemistry and biochemistry of food by Jose R. Perez-Castineira, 2nd ed., Berlin: De Gruyter, 2024. xxi, 595 p., De Gruyter graduate. Includes index (p. 585-595) ISBN: 9783111108346 Subject Terms: Food additives; Oxidative stress; Carbohydrates; Proteins; Vitamins 577.1:641 CAS-C Barcode: 181094-181095; CL; CRDT Click here for more details.
		Back to Content

109		Food microbiology by Martin R. Adams, Peter J. McClure and Maurice O. Moss, 5th ed., Croydon: Royal Society of Chemistry, 2024. xiii, 561 p. Includes index (p. 542-561) ISBN: 9781837671823 Subject Terms: Food materials; Microorganisms; Public health; Microbial food; Foodborne illness 579.67 ADA-F Barcode: 181096-181097; CL; CRDT Click here for more details.
110		Imaging technologies and data processing for food engineers edited by Nesli Sozer, Cham: Springer, 2016. x, 353 p., Food Engineering Series. Includes index (p. 351-353) ISBN: 9783319247335 Subject Terms: Cereal grain; Vibrational microscopy; Double emulsions; Kinetics; Topography 664:004.932.2 -IMA Barcode: 181123; CL Click here for more details.
111		Nanoscience in food and agriculture 4 edited by Shivendu Ranjan, Nandita Dasgupta and Eric Lichtfouse, Cham: Springer, 2017. xv, 305 p., Sustainable agriculture reviews. Includes index (p. 301-305) ISBN: 9783319531113 Subject Terms: Pharmacokinetics; Nanocomposites; Genotoxicity; Foodgrade Nanoemulsions; Nanopackaging 633:620.3 -NAN Barcode: 181124; CL Click here for more details.

112		Quantum information science by Riccardo Manenti and Mario Motta, Oxford: Oxford University Press, 2023. xiv, 740 p. Includes index (p. 733-740) ISBN: 9780198787488 Subject Terms: Boolean set; Bessel function; Binary relation; Photonic quantum; Computational models 530.145:004 MAN-Q Barcode: 181027; CL Click here for more details.
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School of Public Policy

113		Biology of disease edited by Paul G. Murray, Simon J. Dunmore and Shantha Perera, 3rd ed., Hoboken: Wiley, 2024. xix, 571 p. Includes index (p. 568-571) ISBN: 9781118354155 Subject Terms: Epidemiology; Infectious diseases; Haemostasis; Toxicology; Neoplasia 614.4:577.2 -BIO Barcode: 181074; CL Click here for more details.
114		Disaster management and city planning: lessons of the great Hanshin-Awaji earthquake by Yasuhisa Mitsui, Singapore: Springer, 2022. xxxvii, 380 p., New frontiers in regional science: Asian perspectives. Includes index (p. 379-380) ISBN: 9789811918070 Subject Terms: Self defense force; Special city planning; Disaster debris; Geographical information system; Old city planning 504.4:711(52) MIT-D Barcode: 181070; SPP Click here for more details.
		Back to Content

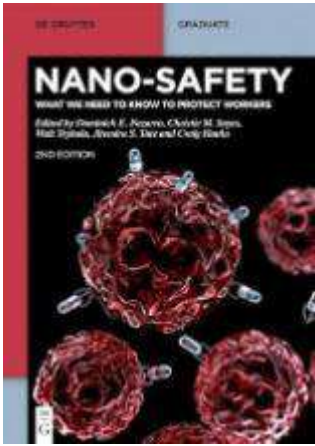
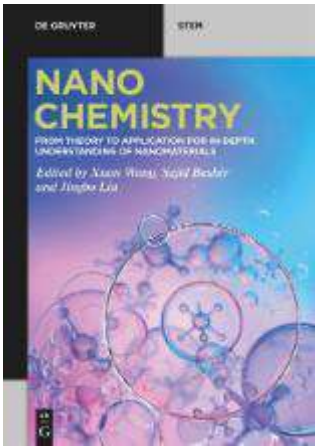
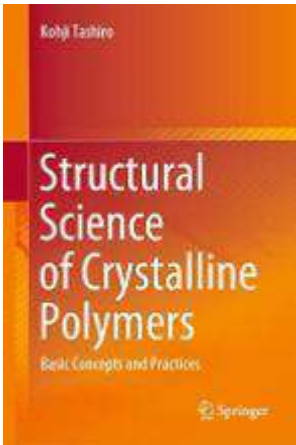
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116		Understanding urban ecology: an interdisciplinary systems approach edited by Myrna H. P. Hall and Stephen B. Balogh, Cham: Springer, 2019. xxii, 360 p. Includes index (p. 355-360) ISBN: 9783030112585 Subject Terms: Socioecological metabolism; Biogeochemistry; Urban wildlife; Material cycle; Environmental justice 574.3:711.4 -UND Barcode: 180996; SPP Click here for more details.
117		Urban biodiversity and ecological design for sustainable cities edited by Keitaro Ito, Tokyo: Springer, 2021. x, 375 p. Includes index (p. 373-374) ISBN: 9784431568957 Subject Terms: Biodiversity; Ecological design; Nature restoration; Green infrastructure Planning; Regional and urban planning 574.1:502.131.1 -URB Barcode: 180997; CL Click here for more details.

Sensors Instrumentation and Cyber-physical System Engineering

118		Biosensors: nanomaterials, approaches, and performance-enhancement strategies by Baljinder Kaur, Santosh Kumar and Brajesh Kumar Kaushik, Hoboken: Wiley, 2024. xxi, 310 p., IEEE press series on sensors. Includes references and index (p. 299-310) ISBN: 9781394268207 Subject Terms: Nanoparticles; Machine learning; Elements biosensors; Sensing techniques; Antibody-based biosensors 53.082.9 KAU-B Barcode: 181053; CL Click here for more details.
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Textile and Fibre Engineering

119		Guide to fully fashioned sweater manufacturing by Sunil Kumar Puri, New Delhi: Woodhead Publishing India, 2020. x, 228 p., Woodhead publishing India in textiles. ISBN: 9789388320177 Subject Terms: Knitting machine; Knitting frame; Outwear garments; Armhole; Integral garments 677.072.32 PUR-G Barcode: 181099; CL Click here for more details.
120		Manufacturing control of textile materials: operational computerized non-contact methods by Valerii Zdorenko... (et al.), Cham: Springer, 2023. xv, 289 p., Studies in systems, decision and control. ISBN: 9783031236389 Subject Terms: Transmission; Reflection; Ultrasonic waves; Amplitude; Oscillation 677-5 -MAN Barcode: 181025; TT Click here for more details.

121		Nano safety: what we need to know to protect workers edited by Dominick E. Fazarro... (et al.), 2nd ed., Berlin: De Gruyter, 2024. xviii, 203 p. Includes index (p. 199-203) ISBN: 9783110781823 Subject Terms: Electron microscopy; Risk analysis; Lifecycle planning; Ethical frameworks; Food processing 620.3:614.8 -NAN Barcode: 181000; CL Click here for more details.
122		Nanochemistry: from theory to application for in depth understanding of nanomaterials edited by Xuan Wang, Sajid Bashir and Jingbo Louise Liu, Berlin: De Gruyter, 2023. ix, 617 p. Includes index (p. 607-617) ISBN: 9783110739855 Subject Terms: Nanotechnology; Nanomaterials; Green pathways; Conduction band; Conductive polymers 54:620.3 -NAN Barcode: 180999; CL Click here for more details.
123		Structural science of crystalline polymers: basic concepts and practices by Kohji Tashiro, Singapore: Springer, 2022. xix, 821 p. ISBN: 9789811595608 Subject Terms: Crystal lattice; Polyoxymethylene; Spectrometer; Neutron; Electron 678.7:548.7 TAS-S Barcode: 181004; CL Click here for more details.
		Back to Content

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Title	: Muscle synergy-based functional electrical stimulation and predictive modelling in post-stroke muscle fatigue management
Researcher	: Bala, Smriti
Department	: Centre for Biomedical Engineering, IITD
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Supervisor	: Joshi, Deepak (Assoc. Prof.) - CBME (Guide)
Physical description	: xxxv, 206 p.
Subject terms	: Global disability; Electrical stimulation; Robotics; Signal preprocessing; Extracted muscle synergies
Barcode	: TH8135
Call No.	: TH 612.744:004.94 BAL-M
Title	: Health-aware battery fast charging strategy using zonal equivalent circuit model
Researcher	: Bose, Bibaswan
Department	: Centre of Automotive Research and Tribology, IITD
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Supervisor	: Deepak Kumar (Prof.) - CART (Guide); Garg, Akhil (Prof.) - HUST, Wuhan, China (Guide)
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Subject terms	: Thermal effects; Data processing; Electrical parameters validation; Charging optimization; Cell cycling test bench
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Call No.	: TH 621.354 BOS-H
Title	: Metapile: resonator impregnated pile foundation for vibration mitigation
Researcher	: Das, Rishab
Department	: Department of Civil Engineering, IITD
Year	: 2025
Supervisor	: Manna, Bappaditya (Prof.) - CE (Guide); Banerjee, Arnab (Asst. Prof.) - CE (Guide)
Physical description	: xxvi, 283 p.

Subject terms	: Dynamic analysis; Pile in homogeneous soil; Analytically proposed solutions; Equation of the resonator; Analysis of pile-pile interaction
Barcode	: TH8137
Call No.	: TH 624.154.535.417.2 DAS-M
Title	: Understanding the role of impurities, solvents, and catalytic active sites in the valorisation of biorenewable platform chemicals
Researcher	: Haseena K. V.
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Haider, M. Ali (Prof.) - CHE (Guide)
Physical description	: xiv, 241 p.
Subject terms	: Role of impurities; Catalytic transfer hydrogenation; Computational studies; Synthesis of pd octahedra; Reaction optimisation
Barcode	: TH8138
Call No.	: TH 66.061:577.15 HAS-U
Title	: Diffusion and oxidation kinetics of β and γ phases in refractory metals alloyed Ti-Al system
Researcher	: Mehrotra, Shivansh
Department	: Department of Material Science and Engineering, IITD
Year	: 2025
Supervisor	: Santra, Sangeeta (Asstt. Prof.) - MSE (Guide)
Physical description	: xxx, 221 p.
Subject terms	: Titanium aluminides; Isothermal oxidation; Oxidation kinetics; Diffusion couple experiments; Nano-indentation analyses
Barcode	: TH8139
Call No.	: TH 620.172.251.2 MEH-D
Title	: Magnetoelectric heterostructure-based nanodevices for spintronic and compact lab-on-a-chip applications
Researcher	: Pathak, Pankaj
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Mallick, Dhiman (Assoc. Prof.) - EE (Guide)

Physical description	: xxxv, 213 p.
Subject terms	: Magnetization control; Magnetoelectric effect; Sputtering; Photolithography; Domain wall rotation
Barcode	: TH8140
Call No.	: TH 620.3:621.313.8 PAT-M
Title	: Development of methods to assess thermoformed tactile diagrams
Researcher	: Ganesh S.
Department	: Department of Design, IITD
Year	: 2025
Supervisor	: Rao, P. V. Madhusdhan (Prof.) - DE (Guide)
Physical description	: xv, 115 p.
Subject terms	: Vacuum thermoforming; Tribological Parameters; Geometric features; Haptic interactions; Computer simulation
Barcode	: TH8141
Call No.	: TH 744:612.825.59 GAN-D
Title	: Next generation platforms for analytical characterization of biosimilars
Researcher	: Shrivastava, Anuj
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Rathore, Anurag S. (Prof.) - CHE (Guide)
Physical description	: xx, 138 p.
Subject terms	: Glycosylation; Aggregation; Dynamic light scattering; Effect of buffers; Aggregation kinetics and mechanism
Barcode	: TH8142
Call No.	: TH 615.03 SHR-N
Title	: Utilizing machine learning and optical simulations for spectroscopic probing of biological systems
Researcher	: Yadav, Vikas
Department	: Department of Chemistry, IITD
Year	: 2025
Supervisor	: Siddhanta, Soumik (Assoc. Prof.) - CHY (Guide)

Physical description	: xxxiv, 240 p.
Subject terms	: Rayleigh scattering; Raman spectroscopy; Artificial neural networks; Generative adversarial networks; Light amplification
Barcode	: TH8143
Call No.	: TH 57:004.94 YAD-U
Title	: Advancements in nanoparticle-enabled approaches for sustainable plant disease management and genetic enhancement
Researcher	: Anju
Department	: Centre for Biomedical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Neetu (Prof.) - CBME (Guide)
Physical description	: xxvi, 198 p.
Subject terms	: Carbon-based nanomaterials; Chitosan nanoparticles; Surface tension; Plant growth conditions; Cell culture
Barcode	: TH8144
Call No.	: TH 632.93 ANJ-A
Title	: Full-duplex operations and reliability enhancement in indoor visible light communication networks
Researcher	: Gupta, Anjali
Department	: Department of Electrical Engineering
Year	: 2025
Supervisor	: Dixit, Abhishek (Prof.) - EE (Guide)
Physical description	: xix, 157 p.
Subject terms	: VLC system model; A novel full-duplex MAC; Mathematical analysis; Analytical calculus; Reliability analysis
Barcode	: TH8145
Call No.	: TH 621.395.42 GUP-F
Title	: Design of functional jacket for Indian motorcycle riders
Researcher	: Jolly, Kanika
Department	: Department of Design, IITD
Year	: 2025

Supervisor	: Rao, P.V. Madhusudan (Prof.) - DE (Guide); Gupta, Deepti (Prof.) - TFE (Guide); Kryzwnski, Sybille (Prof.) - Technical University Dresden, Germany (Guide)
Physical description	: xxi, 270 p.
Subject terms	: Kinematic motion study; Driving risks; Human Anatomy; Material for selection; Goniometer
Barcode	: TH8146
Call No.	: TH 687.17:629.3(540) JOL-D
Title	: Characterization of permanent deformation and replicate stochasticity in asphalt concrete materials using bayesian inference approach
Researcher	: Manoj K. G.
Department	: Department of Civil Engineering, IITD
Year	: 2025
Supervisor	: Matsagar, Vasant (Prof.) - CE (Guide)
Physical description	: xv, 173 p.
Subject terms	: Constituent materials; Assessment of linear viscoelastic; Bayesian interface and characterization; Probability creep damage characterisation; P-S-N nodelling of transition
Barcode	: TH8147
Call No.	: TH 666.97:519.226 MAN-C
Title	: Low frequency noise characterization and modeling of advanced CMOS devices
Researcher	: Pathak, Shruti
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Dixit, Abhisek (Prof.) - EE (Guide)
Physical description	: xxii, 130 p.
Subject terms	: Random telegraph noise; Mobility fluctuation model; Flicker noise; Width scaling; Carrier number fluctuation model
Barcode	: TH8148
Call No.	: TH 534-6:621.382.2/.3 PAT-L
Title	: Development of TiNbMoMnFe bulk multi-principal element alloys and their coatings
Researcher	: Abhijith N. V.

Department	: Centre for Automotive Research and Tribology, IITD
Year	: 2025
Supervisor	: Deepak Kumar (Prof.) - CART (Guide)
Physical description	: xx, 178 p.
Subject terms	: Surface coating; High-velocity oxy-fuel process; Multi-principal element alloys; Heat treatment of coted sample; Scanning electron microscopy
Barcode	: TH8149
Call No.	: TH 620.197.6 ABH-D
Title	: Development of 2D materials and metal nanoparticles nanocomposites for SERS based sensing of hazardous biomolecules and diseases detection via GLAD based Ag nanorods
Researcher	: Arvind
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Singh, J. P. (Prof.) - PH (Guide)
Physical description	: xxxii, 220 p.
Subject terms	: Raman scattering; SERS substrates; Metal nanostructures; Electrochemical sensing; Hydrothermal method
Barcode	: TH8150
Call No.	: TH 543.424.2:616-07 ARV-D
Title	: Study of oceanic mesoscale eddies in the Bay of Bengal using a numerical model
Researcher	: Chandra, Navin
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2025
Supervisor	: Pant, Vimlesh (Prof.) - CAS (Guide)
Physical description	: xxvii, 169 p.
Subject terms	: Oceanic mesoscale eddies; Atmospheric interaction; Regional ocean modeling system; Model coupling toolkit; Atmospheric Radiation
Barcode	: TH8151
Call No.	: TH 551.46:519.6(267.64) CHA-S

Title	: Understanding sleep apnea using physiological signals and neuroimaging data
Researcher	: Chandra Bhushan Kumar
Department	: Bharti School of Telecommunication Technology and Management, IITD
Year	: 2025
Supervisor	: Gandhi, Tapan Kumar (Prof.) - EE (Guide); Panigrahi, Bijaya Ketan (Prof.) - EE (Guide)
Physical description	: xv, 165 p.
Subject terms	: Deep learning for sleep apnea detection; Supervised contrastive learning; Self-attention mechanism; Graph theory; Brain functional connectivity
Barcode	: TH8152
Call No.	: TH 616.831-073 CHA-U
Title	: Influence of calcination conditions on the physico-chemical characteristics of calcined clays for use as supplementary cementitious materials
Researcher	: Dhar, Mehnaz
Department	: Department of Civil Engineering, IITD
Year	: 2025
Supervisor	: Bishnoi, Shashank (Prof.) - CE (Guide)
Physical description	: xviii, 221 p.
Subject terms	: Clay minerals and their types; Phase transformation process of kaolinite; Testing of calcined clays; Activation of clays; Differential scanning calorimetry
Barcode	: TH8153
Call No.	: TH 544.016:553.61 DHA-I
Title	: Investigating spin-transfer and spin-orbit torques in magnetic heterostructures and advanced radio frequency devices
Researcher	: Gupta, Pankhuri
Department	: Department of physics, IITD
Year	: 2025
Supervisor	: Muduli, P. K. (Prof.) - PH (Guide)
Physical description	: xxiii, 123 p.

Subject terms	: Magnetoresistance; Mechanism of Spin-orbit torque; Magnetic tunnel junction; Spin hall nano-oscillators; Atomic force microscopy
Barcode	: TH8154
Call No.	: TH 621.387.36 GUP-I
Title	: Exploring the financial performance of corporate social responsibility and socially responsible investing
Researcher	: Hasan, Iram
Department	: Department of Management Studies, IITD
Year	: 2025
Supervisor	: Singh, Shveta (Prof.) - MS (Guide); Kashiramka, Smita (Prof.) - MS (Guide)
Physical description	: xxvii, 574 p.
Subject terms	: Measuring financial performance; CSR communication; SRI cross-country perspective; Sustainable development; Social impact investing
Barcode	: TH8155
Call No.	: TH 659.43 HAS-E
Title	: Advancing 3D modular cell culture platforms: exploring vascularization and in-situ electrochemical protein marker detection
Researcher	: Kaur, Manleen
Department	: Centre for Biomedical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Neetu (Prof.) - CBME (Guide)
Physical description	: xxxvii, 187 p.
Subject terms	: Biomarkers studied; Electrochemical sensors; 3D models for disease diagnostics; Study on bacterial infection; Fabrication alginate or nanoparticles and microgels
Barcode	: TH8156
Call No.	: TH 616-079 KAU-A
Title	: Studies on forward osmosis-nanofiltration hybrid system for the desalination of saline waters
Researcher	: Mahawer, Ketan
Department	: Department of Chemical Engineering, IITD
Year	: 2025

Supervisor	: Gupta, Sharad Kumar (Prof.) - CHE (Guide); Khanna, Rajesh (Prof.) - CHE (Guide)
Physical description	: xix, 181 p.
Subject terms	: PAFO spiral wound module; FO-NF hybrid system; Neurons tuning; Artificial neural networks; Environmental impact
Barcode	: TH8157
Call No.	: TH 628.1.03 MAH-S
Title	: Electrothermal characterization of conductive yarn-integrated weft knitted fabrics for wearable applications
Researcher	: Maurya, Sandeep Kumar
Department	: Department of Textile and Fibre Engineering, IITD
Year	: 2025
Supervisor	: Bipin Kumar (Assoc. Prof.) - TFE (Guide); Das, Apurba (Prof.) - TFE (Guide)
Physical description	: xxviii, 173 p.
Subject terms	: Modes of heating in textiles; Knitting and their structures; Fabrications method of heating textile; Washability and Durability; Microstructural and thermal analysis
Barcode	: TH8158
Call No.	: TH 677.074 MAU-E
Title	: Accurate loss modelling for active thermal control of SiC converters
Researcher	: Nayak, Debi Prasad
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Pramanick, Sumit (Assoc. Prof.) - EE (Guide)
Physical description	: xix, 104 p.
Subject terms	: Parasitic inductance; Parasitic capacitance; Switching loss; Junction temperature; analytical loss model
Barcode	: TH8159
Call No.	: TH 621.382:536 NAY-A
Title	: Design and development of high energy absorbent aircrew helmet using 3D woven structural composites
Researcher	: Omender
Department	: Department of Textile and Fibre Engineering, IITD

Year	: 2025
Supervisor	: Behera, B. K. (Prof.) -TFE (Guide)
Physical description	: xlvii, 361 p.
Subject terms	: Protective headgear; Energy absorbing liner; Helmet shell manufacturing; Helmet characterization; Graphene nanoplatelets
Barcode	: TH8160
Call No.	: TH 677.074:687.4 OME-D
Title	: Robust entangled-photon sources based on ppKTP for rotational-misalignment-resilient free-space QKD
Researcher	: Omshankar
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Ghosh, Joyee (Assoc. Prof.) - PH (Guide)
Physical description	: xxi, 152 p.
Subject terms	: Phase matching techniques for SPDC; Two- photon interference visibility; Polarization-entangled photons; Spontaneous parametric down-conversion; Second-harmonic generation
Barcode	: TH8161
Call No.	: TH 535.14:621.39 OMS-R
Title	: Resonant nanophotonics in periodic lattices for solar energy harvesting and electrochemical applications
Researcher	: Pandey, Saurabh
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Joseph, Joby (Prof.) - OPC (Guide)
Physical description	: 224 p.
Subject terms	: Energy conversion; Photonic crystals; Localized surface plasmon resonance; Laser interference lithography; Nano-optics
Barcode	: TH8162
Call No.	: TH 535.14:621.311.243 PAN-R

Title	: Modelling and analysis of algorithms for efficient content distribution in next-generation content delivery solutions using fog-CDN
Researcher	: Prateek
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Kar, Subrat (Prof.) - EE (Guide)
Physical description	: 134 p.
Subject terms	: Fog computing; Modeling and analysis of algorithms; Increased efficiency; Space-time characteristics; Greedy performance-based node selection
Barcode	: TH8163
Call No.	: TH 510.5:004.421 PRA-M

Title	: Design and development of induction motor drive for grid interactive and standalone based solar PV array fed water pumping
Researcher	: Rai, Rashmi
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Bhim (Prof.) - EE (Guide)
Physical description	: xxvi, 152 p.
Subject terms	: Renewable energy; Energy efficiencies; Grid synchronization; Sustainable energy; Induction motor
Barcode	: TH8164
Call No.	: TH 621.313.333 RAI-D

Title	: Study on homology manifolds and normal pseudomanifolds
Researcher	: Sarkar, Sourav
Department	: Department of Mathematics, IITD
Year	: 2025
Supervisor	: Basak, Biplab (Assoc. Prof.) - MA (Guide)
Physical description	: xii, 122 p.
Subject terms	: Balanced genus; Balanced simplicial complex; Rigidity; Singularities; Edge-path group
Barcode	: TH8165
Call No.	: TH 514.764.27 SAR-S

Title	: Development of sensor based portable instrument to test milk quality
Researcher	: Yadav, Ajay Kumar
Department	: Center for Rural Development and Technology, IITD
Year	: 2025
Supervisor	: Vivek Kumar (Prof.) - CRDT (Guide); Dashora, Kavya (Assoc. Prof.) - CRDT (Guide)
Physical description	: 185 p.
Subject terms	: Indian dairy sector; Multi-parameter analysis; Electrochemical sensors; Electrical methods and techniques; Development of a portable milk tester
Barcode	: TH8166
Call No.	: TH 637.112:681.586 YAD-D
Title	: On-chip instrumentation techniques
Researcher	: Aashish T. R.
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Chatterjee, Shouri (Prof.) - EE (Guide)
Physical description	: xxi, 103p.
Subject terms	: Frequency tuning; Architecture; Impulse sensitivity; Simulation; Noise spectrum
Barcode	: TH8167
Call No.	: TH 621.382 AAS-O
Title	: Controlled electrochemical exfoliation of HOPG for monolayer, bilayer and trilayer graphene synthesis
Researcher	: Atrey, Isha
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Shukla, Anupam (Prof.) - CHE (Guide)
Physical description	: xxix, 223 p.
Subject terms	: Thermal conductivity; Mechanical strength; Electron mobility; Substrate compatibility; Optical image
Barcode	: TH8168
Call No.	: TH 546.26-162 ATR-C

Title	: Design and development of portable and off-board chargers for wide categories of electric vehicles
Researcher	: Chaurasiya, Saran
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Bhim (Prof.) - EE (Guide)
Physical description	: xxxvii, 359 p.
Subject terms	: Electric vehicles; Design and construction; Portable power systems; Charging stations - Electric vehicles; EV charger configurations
Barcode	: TH8169
Call No.	: TH 629.064.5 CHA-D
Title	: On travelling salesman problem for dynamical systems
Researcher	: Dhulipala, Eswara Venkata Kumar
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Patil, Deepak (Assoc. Prof.) - EE (Guide)
Physical description	: xix, 92 p.
Subject terms	: Tours algorithm; Stochastic integrator; Elimination algorithm; Dynamic programming algorithm; Numerical experiments
Barcode	: TH8170
Call No.	: TH 510.5 DHU-O
Title	: Solutions-processed near-infrared (NIR) detectors
Researcher	: Dua, Nidhi
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Madhusudan (Prof.) - EE (Guide)
Physical description	: viii, 105 p.
Subject terms	: Photons; Wavelength; Nanoparticles; Imaging; Sensing
Barcode	: TH8171
Call No.	: TH 535-1:681.586 DUA-S
Title	: Impact of zinc oxide nanoparticles on cellulose degrading actinomycetes

Researcher	: Javed, Zoya
Department	: Centre for Rural Development and Technology, IITD
Year	: 2025
Supervisor	: Dashora, Kavya (Assoc. Prof.) - CRDT (Guide)
Physical description	: xx, 165 p.
Subject terms	: Microbial community analysis; Enzyme essays; Nanotechnology; Nitrogen fixation; Biodegradation
Barcode	: TH8172
Call No.	: TH 579.87:631.95 JAV-I
Title	: Geohazard dynamics: SPH-driven engineering approach
Researcher	: Mhaski, Sourabh
Department	: Department of Civil Engineering, IITD
Year	: 2025
Supervisor	: Ramana, G. V. (Prof.) - CE (Guide)
Physical description	: xxxvii, 317 p.
Subject terms	: Municipal solid waste; Erosion; Sedimentation; Liquefaction; Landslides
Barcode	: TH8173
Call No.	: TH 551:504.4 MHA-G
Title	: Experimental investigations into embedded direct ink writing of triple-shape memory polymer blend for biomedical application
Researcher	: Mohol, Shubham Shankar
Department	: Department of Mechanical Engineering, IITD
Year	: 2025
Supervisor	: Pandey, Pulak Mohan (Prof.) - ME (Guide); Jha, Sunil (Prof.) - ME (Guide)
Physical description	: xxxi, 192 p.
Subject terms	: Tracheal scaffolds; Polylactic acid; Polypropylene carbonate; Genetic algorithm; Fabrication methodology
Barcode	: TH8174
Call No.	: TH 620.17:616-74 MOH-E
Title	: Metabolic engineering of Zymomonas Mobilis for acetoin, D-(-)-2,3- butanediol and valine branch intermediate production

Researcher	: Sakshi
Department	: Department of Biochemical Engineering and Biotechnology, IITD
Year	: 2025
Supervisor	: Misra, Ashish (Assoc. Prof.) - BEB (Guide)
Physical description	: xxi, 100 p.
Subject terms	: Strains; Metabolic engineering; Bioreactor studies; Recombinant strain; Pyruvate flux
Barcode	: TH8175
Call No.	: TH 663.18 SAK-M

Title	: Evaluating the sustainability of hydrothermal pretreatment and anaerobic co-digestion for extracting bioenergy from rice crop residues and naturally grown algal biomass
Researcher	: Subodh Kumar
Department	: Centre for Rural Development and Technology, IITD
Year	: 2025
Supervisor	: Vijay, Virendra K. (Prof.) - CRDT (Guide); Malik, Anushree (Prof.) - CRDT (Guide)
Physical description	: xxiii, 326 p.
Subject terms	: Lignocellulose; Biomethane; Biomass ash; Biodegradability; Hydrothermal pretreatment
Barcode	: TH8176
Call No.	: TH 620.925:58 SUB-E

Title	: Studies on the development of bioactive polycaprolactone based hybrid nanofibers
Researcher	: Vandana Kumari
Department	: Department of Textile and Fibre Engineering, IITD
Year	: 2025
Supervisor	: Gupta, Bhuvanesh (Prof.) - TFE (Guide); Mukhopadhyay, Samrat (Prof.) - TFE (Guide)
Physical description	: xxxiv, 230 p..
Subject terms	: Microscopy; Infrared spectroscopy; Zeta potential; Viscosity; Wettability measurement
Barcode	: TH8177
Call No.	: TH 677.4:620.3 VAN-S

Title	: Design and performance analysis of integrated rotating machine based pulsed power supply for electromagnetic launch applications
Researcher	: Vats, Priyvrat
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Bhim (Prof.) - EE (Guide)
Physical description	: xxviii, 246 p.
Subject terms	: Synchronization; Pulse power; Magnet compulsator; Electromagnetic shield; Flux density
Barcode	: TH8178
Call No.	: TH 537.632.4 VAT-D
Title	: Correlation between electronic structure and magnetic properties of MoO ₃ and MoS ₂
Researcher	: Dey, Sharmistha
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Srivastava, Pankaj (Prof.) - PH (Guide); Ghosh, Shantanu (Prof.) - PH (Guide)
Physical description	: xxviii, 183 p.
Subject terms	: Ferromagnetism; Induced magnetism; Sulfides; Oxides; Strain
Barcode	: TH8179
Call No.	: TH 537.8:539.2 DEY-C
Title	: Combinatorial approaches to mitigate the challenges with CD40 agonist antibody for durable anti-tumor immunity
Researcher	: Gaur, Vidit
Department	: Centre for Biomedical Engineering, IITD
Year	: 2025
Supervisor	: Bhattacharyya, Jayanta (Assoc. Prof) - CBME (Guide)
Physical description	: 127 p.
Subject terms	: Tumor environment; Immunosomes; Extracellular vesicles; Cell free vaccine; Immunotherapy
Barcode	: TH8180
Call No.	: TH 616-006:602.68 GAU-C

Title	: Non-compact variational problems in the hyperbolic space
Researcher	: Gupta, Diksha
Department	: Department of Mathematics, IITD
Year	: 2025
Supervisor	: Sreenadh, K. (Prof.) - MA (Guide); Ganguly, Debdip (Assoc. Prof.) - MA (Guide)
Physical description	: xiv, 236 p.
Subject terms	: Calculus; Projections; Barycentric function; Elliptic equation; Radial symmetry
Barcode	: TH8181
Call No.	: TH 517.956.3 GUP-N
Title	: Long-term trend of cloud fraction over the Indian ocean in the warming era
Researcher	: Jaswant
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2025
Supervisor	: Dey, Sagnik (Prof.) - CAS (Guide); Pant, Vimlesh (Prof.) - CAS (Guide)
Physical description	: 151 p.
Subject terms	: Wind velocity; Sea surface temperature; Oceanography; Climatology; Seasonal variation
Barcode	: TH8182
Call No.	: TH 551.585.3 JAS-L
Title	: Caste dominance and new social mobility in urban Gujrat: the Saurashtra Patidar community and its quest for the reproduction of power
Researcher	: Joshi Priyank Shaileshkumar
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2025
Supervisor	: Ibrahim, Frahana (Prof.) - HSS (Guide)
Physical description	: vi, 143 p.
Subject terms	: Anxieties; Mobilization; Ideological Parlance; Employment; Youth aspirations
Barcode	: TH8183
Call No.	: TH 316.44(540.51) JOS-C

Title	: Computational characterization of cooperatives dynamics and large scale conformational transitions in biomolecules and their assemblies
Researcher	: Punia, Rajat
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Goel, Gaurav (Prof.) - CHE (Guide)
Physical description	: 296 p.
Subject terms	: Protein complex; Molecular dynamics; Lipid bilayer; Membrane transport; Biomolecular function
Barcode	: TH8184
Call No.	: TH 577.2:004 PUN-C
Title	: Segmentation of retinal structures using image processing and deep learning techniques with applications in retinal disease prediction
Researcher	: Varma, Anumeha
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2025
Supervisor	: Aggarwal, Monika (Prof.) - CARE (Guide)
Physical description	: xviii, 105 p.
Subject terms	: Retinal fundus image; Optic disc; Diabetic retinopathy; Glaucoma; Illumination correction
Barcode	: TH8185
Call No.	: TH 617.7-073:004.85 VAR-S
Title	: Development of heterogenous earth-abundant metal catalysts for chemoselective functionalization of methane and other hydrocarbons
Researcher	: Begum, Wahida
Department	: Department of Chemistry, IITD
Year	: 2025
Supervisor	: Manna, Kuntal (Assoc. Prof.) - CHY (Guide)
Physical description	: xxiv, 171 p.
Subject terms	: Oxidation; Triphenylphosphine; Moisture sensitive compounds; Metal organic frameworks; Liquid fuel

Barcode	: TH8186
Call No.	: TH 544.47:544.344 BEG-D
Title	: Biobutanol production from glycerol using anaerobic fermentation process
Researcher	: Dey, Nituparna
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Bhaskarwar, Ashok N. (Prof.) - CHE (Guide)
Physical description	: xx, 166 p.
Subject terms	: Glycerol purification; Clostridium species; Acidogenic and solventogenic; Butanol toxicity fermentation; Kinetics of glycerol consumption
Barcode	: TH8187
Call No.	: TH 663.15 DEY-B
Title	: Making a case for urbanism in Bihar: moral and material striving among Muslims and Dalits in Patna city
Researcher	: Rahman, Abdullah A.
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2025
Supervisor	: Ibrahim, Farhana (Prof.) - HSS (Guide)
Physical description	: ix, 201 p.
Subject terms	: Urban poverty; Access to education; Community development; Cast system; Economic inequality
Barcode	: TH8188
Call No.	: TH 316.334.56(540.29) RAH-M
Title	: Conversion of light cycle oil to benzene and alkylated mono-aromatics over various monometallic and bimetallic oxide catalysts in the presence of hydrogen donor
Researcher	: Ramteke, Akshata
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Pant. K. K. (Prof.) - CHE (Guide); Bhatia, Divesh (Prof.) - CHE (Guide)
Physical description	: xxix, 261 p.

Subject terms	: Hydro processing; Bifunctional catalysts; Hydrogen donor; Bimetallic catalysts; Structure-activity relation
Barcode	: TH8189
Call No.	: TH 665.644.4 RAM-C
Title	: Design, development, and method evaluation of aptamer-based aflatoxin detection
Researcher	: Shareef, Shazia
Department	: Centre for Rural Development and Technology, IITD
Year	: 2025
Supervisor	: P. Hariprasad (Assoc. Prof.) - CRDT (Guide)
Physical description	: xxix, 215 p.
Subject terms	: Hepatocellular carcinoma; Thin layer chromatography; High performance liquid chromatography; Radioimmunoassay; Oligonucleotides sequences
Barcode	: TH8190
Call No.	: TH 577.113 SHA-D
Title	: Stereoselective synthesis of axially chiral (Hetero) biaryls bridged isochromans and amino indanones
Researcher	: Singh, Bhuvnesh
Department	: Department of Chemistry, IITD
Year	: 2025
Supervisor	: Singh, Ravi P. (Prof.) - CHY (Guide)
Physical description	: xx, 330 p.
Subject terms	: Organic chemistry; Asymmetric catalysis; Enantioselectivity; Chiral auxiliary; Covalent organocatalytic
Barcode	: TH8191
Call No.	: TH 577.1 SIN-S
Title	: Development of methods based upon machine learning, deep learning and quantitative MRI for objective assessment of brain tumors
Researcher	: Yadav, Virendra Kumar
Department	: Centre for Biomedical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Anup - (Prof.) - CBME (Guide); Agarwal, Sumeet - (Assoc. Prof) - Yardi school of artificial intelligence (Guide)

Physical description	: xxvii, 184 p.
Subject terms	: Tumor segmentation; Dynamic contrast MRI; Glioma grading; Deep learning; Enhanced MRI
Barcode	: TH8192
Call No.	: TH 616.831 YAD-D
Title	: Impacts of climate change on the fire weather in Indian forests
Researcher	: Barik, Anasuya
Department	: Centre for Atmospheric Sciences, IITD
Year	: 2025
Supervisor	: Roy, Somnath Baidya (Prof.) - CAS (Guide)
Physical description	: xx, 159 p.
Subject terms	: Forest fire in India; Forest zone of India; Climate of India; Fire danger rating system; Change in the fire weather danger season
Barcode	: TH8193
Call No.	: TH 551.588:630(540) BAR-I
Title	: Affective infrastructures: religion, materiality and the (UN)-making of a remote Borderland in Ladakh
Researcher	: Bose, Priya
Department	: Department of Humanities and Social Sciences, IITD
Year	: 2025
Supervisor	: Ibrahim, Farhana (Prof.) - HSS (Guide)
Physical description	: vii, 176 p.
Subject terms	: Social infrastructure; Geopolitics; Cultural landscape; Development; Cultural heritage
Barcode	: TH8194
Call No.	: TH 2:316.7(540.11) BOS-A
Title	: Development of the perovskite-polymer inks and understanding their structure property relationship for optoelectronic applications
Researcher	: Chandratre, Kartiki
Department	: Department of Energy Science and Engineering, IITD
Year	: 2025
Supervisor	: Karak, Supravat (Assoc. Prof.) - ESE (Guide)

Physical description	: xvii, 163 p.
Subject terms	: Nucleation; Crystallization; Methacrylate; Fabrication; Correlation
Barcode	: TH8195
Call No.	: TH 678.7 CHA-D
Title	: Investigation of flux pinning properties of YBCO based nanocomposites
Researcher	: Gaurav Kumar
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Khare, Neeraj (Prof.) - PH (Guide)
Physical description	: xxi, 156 p.
Subject terms	: High-temperature superconductors; Thin film deposition techniques; Pulsed laser deposition techniques; Transmission electron microscopy; Energy dispersive X-ray spectroscopy
Barcode	: TH8196
Call No.	: TH 539.2 GAU-I
Title	: Analysis and development of current FED dual active bridge based converter for electric vehicle charging application
Researcher	: Ghosh, Sayandev
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Bhim (Prof.) - EE (Guide)
Physical description	: xiii, 122 p.
Subject terms	: Plus phase shift; Power characteristics; Circuit description; Toeplitz operator; Dual active bridge converter
Barcode	: TH8197
Call No.	: TH 629.064.7 GHO-A
Title	: Characterising asphalt mixtures using improved machine learning approaches by optimizing model performance and rank based model variables
Researcher	: Jukte, Nishigandha Rajeshwar
Department	: Department of Civil Engineering, IITD
Year	: 2025

Supervisor	: Swamy, Aravind Krishna (Prof.) - CE (Guide)
Physical description	: xxiii, 237 p.
Subject terms	: Deep learning; CAM mastercurve; Dynamic modulus; Sigmoidal; Rational model
Barcode	: TH8198
Call No.	: TH 625.85:681.3 JUK-C
Title	: Laser driven proton acceleration with structured targets and impact of external magnetic field
Researcher	: Khan, Imran
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Saxena, Vikrant (Asst. Prof) - PH (Guide)
Physical description	: xix, 148 p.
Subject terms	: Electron; Induced transparency; Nanometers; Gaussian shape; Laser pulse
Barcode	: TH8199
Call No.	: TH 539.125.4 KHA-L
Title	: Exploring the potential of phyto-molecules from Indian medicinal plants to suppress the multidrug resistance in bacteria targeting the β -lactamase enzyme
Researcher	: Leena
Department	: Centre for Rural Development and Technology, IITD
Year	: 2025
Supervisor	: Hariprasad, P. (Assoc. Prof.) - CRDT (Guide)
Physical description	: xxiv, 221 p.
Subject terms	: Antibiotics resistance; Enzyme inhibition; Phytochemicals; Antibiotics and ecosystem; Chemicals and reagents
Barcode	: TH8200
Call No.	: TH 577:633.88 LEE-E
Title	: Insights into chemocatalytic ethanol production from cellulose
Researcher	: Niaze, Ambereen Aziz
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Upadhyayula, Sreedevi (Prof.) - CHE (Guide)

Physical description	: xxiv, 191p.
Subject terms	: Classification of biofuels; Gasification route; Chemo catalytic route; Simulation tools and ANN models; Pretreatment of raw biomass
Barcode	: TH8201
Call No.	: TH 661.722 NIA-I
Title	: Piezoresistive sensing and reliability analysis of gate-all-around junctionless transistor
Researcher	: Nitish Kumar
Department	: Centre for Applied Research in Electronics, IITD
Year	: 2025
Supervisor	: Singh, Pushpapraj (Assoc. Prof.) - CARE (Guide); Gupta, Ankur (Assoc. Prof.) - CARE (Guide)
Physical description	: xxvi, 179 p.
Subject terms	: Power dissipation in CMOS devices; Quantization effects; Electronic devices; Electrical characterization; Piezoresistive devices design
Barcode	: TH8202
Call No.	: TH 621.382.322 NIT-P
Title	: Use of multiattribute methods for characterization and stability assessment of recombinant monoclonal antibodies
Researcher	: Sarin, Deepika
Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Rathore, Anurag S. (Prof.) - CHE (Guide)
Physical description	: xxiii, 212 p.
Subject terms	: Chromatography; Biotherapeutic formulations; Glycosylation; Deamidation; Sialylation
Barcode	: TH8203
Call No.	: TH 543.645.7 SAR-U
Title	: Design and development of automotive seat cover using 3D woven structures
Researcher	: Shriwastawa, Ashok Kumar
Department	: Department of Textile and Fibre Engineering, IITD
Year	: 2025

Supervisor	: Behera, B. K. (Prof.) - TFE (Guide); Sheikh, Javed N. (Assoc. Prof.) - TFE (Guide)
Physical description	: xxviii, 230 p.
Subject terms	: Synthetic textiles and polyurethane; 3D woven fabric; Textile-based structures; Air-texturized polyester yarn; Characterization of car seat cover
Barcode	: TH8204
Call No.	: TH 677.027.8 SHR-D
Title	: Development of antimicrobial polymeric coatings for tracheoesophageal voice prostheses
Researcher	: Singh, Manjeet
Department	: Centre for Biomedical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Harpal (Prof.) - CBME (Guide); Bhatnagar, Naresh (Prof.) - ME (Guide)
Physical description	: xxv, 149 p.
Subject terms	: Thermoplastic polyurethane; Tracheoesophageal voice prosthesis; Biofilm formation; Antimicrobial release mode of action coatings; Micro-injection molding
Barcode	: TH8205
Call No.	: TH 604.4:615.277.3 SIN-D
Title	: Resilient distributed secondary controls for DC and AC microgrids against cyber-attacks
Researcher	: Devakumar, A
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Mishra, Sukumar (Prof.) - EE (Guide)
Physical description	: xxi, 145 p.
Subject terms	: Vulnerability; Proliferation; Renewable energy; Architecture; Consensus
Barcode	: TH8206
Call No.	: TH 621.311.24:004.056 DEV-R
Title	: Fabrication and characterization of efficient light emitting diodes
Researcher	: Akhtar, Parvez

Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Madhusudan (Prof) - EE (Guide)
Physical description	: xviii, 100 p.
Subject terms	: Perovskite material; Emitter; Magnetization; Nanospindles; Ozone
Barcode	: TH8207
Call No.	: TH 621.382.23 AKH-F
Title	: Time-dependent dielectric breakdown-reliability characterization and analysis of advanced CMOS devices
Researcher	: Amin, Asifa
Department	: Department of Electrical Engineering
Year	: 2025
Supervisor	: Dixit, Abhishek (Prof.) - EE (Guide)
Physical description	: xx, 124 p.
Subject terms	: Semiconductor; Electromigration; Radio frequency; Weibull distribution; Thermochemical
Barcode	: TH8208
Call No.	: TH 621.382 AMI-T
Title	: Study of spatio-temporal evolution and frequency shifting of laser carrying orbital angular momentum in plasma
Researcher	: Bhaskar, Subhajit
Department	: Department of Physics, IITD
Year	: 2025
Supervisor	: Malik, Hitendra K. (Prof.) - PH (Guide)
Physical description	: xx, 94 p.
Subject terms	: Monochromatic; Electromagnetic; Angular momentum; Gaussian; Raman scattering
Barcode	: TH8209
Call No.	: TH 533.9:531.38 BHA-S
Title	: Performance enhancement of a regulatory model using background concentration and simulated meteorological inputs
Researcher	: Chaurasia, Rahul

Department	: Centre for Atmospheric Sciences, IITD
Year	: 2025
Supervisor	: Mohan, Manju (Prof.) - CAS (Guide)
Physical description	: xix, 155 p.
Subject terms	: Air pollution; Anthropogenic; Pollutant; Atmospheric chemistry; Environment
Barcode	: TH8210
Call No.	: TH 551.509.313.4 CHA-P
Title	: Development and evaluation of sustainable atmospheric water harvesting system for diverse climatic conditions
Researcher	: G, Raveesh
Department	: Department of Energy Science and Engineering, IITD
Year	: 2025
Supervisor	: Tyagi, S. K. (Prof.) - ESE (Guide); Goyal, Rahul (Assoc. Prof.) - ESE (Guide)
Physical description	: xxiii, 187 p.
Subject terms	: Biomass; Humidity; Illumination; Evaporator coil; Sorption kinetics
Barcode	: TH8211
Call No.	: TH 551.579 RAV-D
Title	: Modelling and analysis of solar compound parabolic collector with a tubular receiver for solar cooling applications
Researcher	: Garg, Aditi
Department	: Department of Mechanical Engineering, IITD
Year	: 2025
Supervisor	: Jain, Sanjeev (Prof.) - ME (Guide); Ray, Bahni (Assoc. Prof.) - ME (Guide)
Physical description	: xxxi, 188 p.
Subject terms	: Truncation; Velocity vector; Radiation; Auxiliary heater; Cooling tower
Barcode	: TH8212
Call No.	: TH 697.329 GAR-M
Title	: Peer effects and firms' payout policies
Researcher	: Jain, Neeraj

Department	: Department of Management Studies, IITD
Year	: 2025
Supervisor	: Chaudhary, Neeru (Asst. Prof) - MS (Guide); Kashiramka, Smita (Prof.) - MS (Guide)
Physical description	: xix, 263 p.
Subject terms	: National stock; Stakeholder; Mimicking behaviour; Endogeneity concerns; Idiosyncratic risk
Barcode	: TH8213
Call No.	: TH 334.02(540) JAI-P

Title	: Delay-doppler domain pulse shaping for reliable communication in high delay and doppler spread wireless channels
Researcher	: Jayachandran, Jinu
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Mohammed, Saif Khan (Prof) - EE (Guide)
Physical description	: xxi, 130 p.
Subject terms	: Mobility; Modulation; Gaussian pulse; Interleaved pilots; Interoperability
Barcode	: TH8214
Call No.	: TH 629.066:629.056.82 JAY-D

Title	: Time- coordinated distributed control strategy for a low voltage active distribution network
Researcher	: Mishra, Manas Ranjan
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Mishra, Sukumar (Prof.) - EE (Guide)
Physical description	: xxii, 101 p.
Subject terms	: Photovoltaic inverters; Transformer; Cluster; Algorithm; Resilient voltage
Barcode	: TH8215
Call No.	: TH 621.47 MIS-T

Title	: Exploring new synthetic methods for μ -aminodiborane: an in situ-generated reducing agent for organic substrates
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Researcher	: Nair, Abhishek
Department	: Department of Chemistry, IITD
Year	: 2025
Supervisor	: Elias, Anil J. (Prof.) - CHY (Guide)
Physical description	: xxvi, 238 p.
Subject terms	: Dehydrogenated products; Carboxamides; Chromatography; Ferrocenium compounds; Hydroboration
Barcode	: TH8216
Call No.	: TH 547.1'27 NAI-E
Title	: Computational investigation of molecular crowding effects on macromolecular conformational equilibria and self-assembly
Researcher	: Rajput, Satyendra
Department	: Department of Materials Science and Engineering, IITD
Year	: 2025
Supervisor	: Nayar, Divya (Asstt. Prof) - MSE (Guide)
Physical description	: xliii, 210 p.
Subject terms	: Cellular environment; Nucleic acids; Biomolecules; Metabolites; Oligomerization
Barcode	: TH8217
Call No.	: TH 539.199 RAJ-C
Title	: Photocatalytic functionalization of olefins via redox net-neutral and singlet oxygen mediated strategies
Researcher	: Rohit Kumar
Department	: Department of Chemistry, IITD
Year	: 2025
Supervisor	: Jain, Nidhi (Prof.) - CHY (Guide)
Physical description	: xxvi, 329 p.
Subject terms	: Aliphatic alcohols; Photosensitization; Aryl diazonium; Porphyrins; Photocatalytic process
Barcode	: TH8218
Call No.	: TH 544.526.5 ROH-P
Title	: Emerging non-volatile memory based device-circuit co-design for neuromorphic computing
Researcher	: Shaban, Ahmed

Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Suri, Manan (Assoc. Prof.) - EE (Guide); Hou, Tuo-Hung (Prof.) - NYCU, Taiwan (Guide)
Physical description	: xxii, 154 p.
Subject terms	: Artificial intelligence; Neural network; Transistor; Strained silicon; Neuroscience
Barcode	: TH8219
Call No.	: TH 612.82:004 SHA-E
Title	: Detecting and characterizing harmful memes: techniques and applications
Researcher	: Sharma, Shivam
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Chakraborty, Tanmoy (Assoc. Prof) - EE (Guide)
Physical description	: xxv, 193 p.
Subject terms	: Harmful memes; Contextualization; Social media; Narrative framing; Lexical analysis
Barcode	: TH8220
Call No.	: TH 316.774 SHA-D
Title	: Design, development and implementation of bidirectional battery chargers of light electric vehicles
Researcher	: Sharma, Utsav
Department	: Department of Electrical Engineering, IITD
Year	: 2025
Supervisor	: Singh, Bhim (Prof.) - EE (Guide)
Physical description	: xxvi, 225 p.
Subject terms	: Lyapunov gain; Photovoltaic arrays; MATLAB; Simulation; Modeling
Barcode	: TH8221
Call No.	: TH 629.064.5 SHA-D
Title	: Rational catalyst design for the removal of organic contaminants from water
Researcher	: Shenoy, Chaitra Shantharam

Department	: Department of Chemical Engineering, IITD
Year	: 2025
Supervisor	: Haider, M. Ali (Prof.) - CHE (Guide)
Physical description	: xx, 248 p.
Subject terms	: Oxidation reaction; Microkinetic modelling; Catalytic reactor; Chromatography; Sabatier principle
Barcode	: TH8222
Call No.	: TH 628.316.12 SHE-R

[Back to Content](#)