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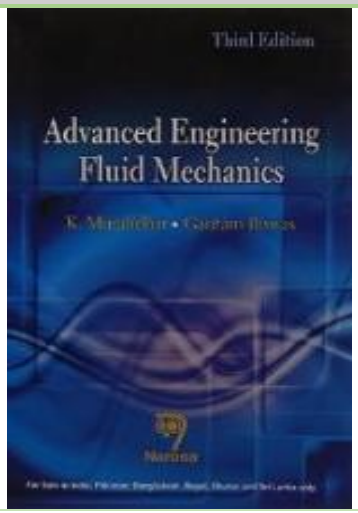
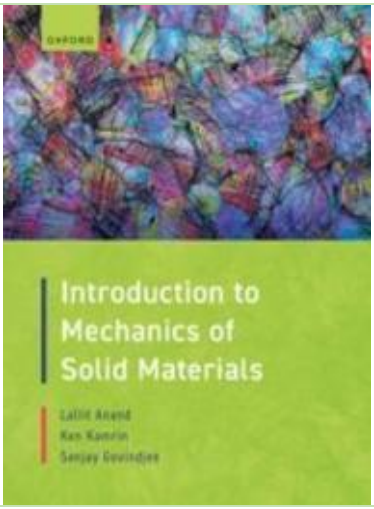
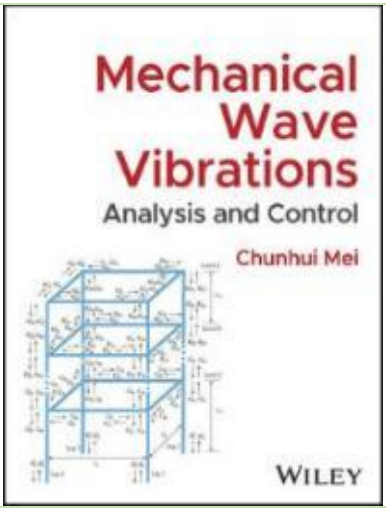
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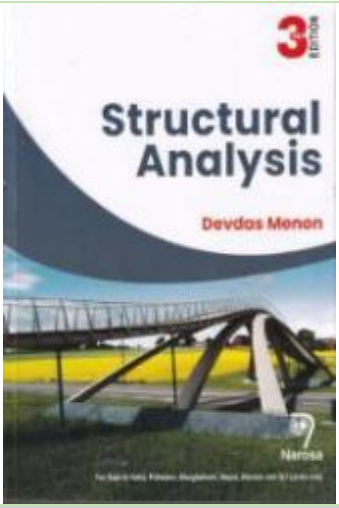
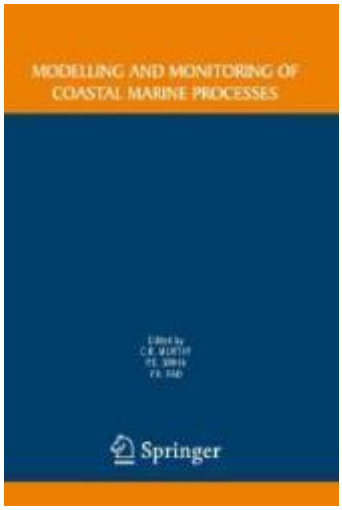
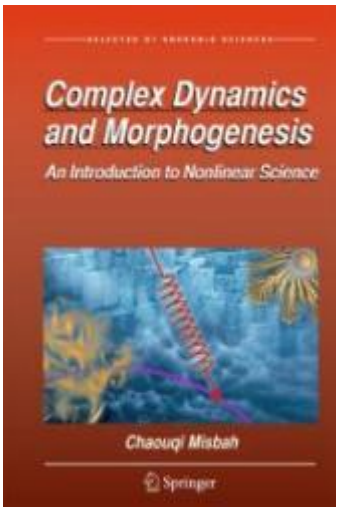
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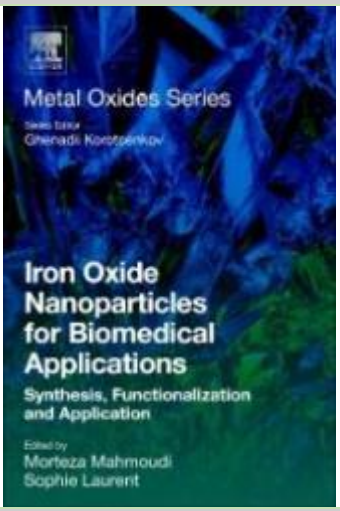
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Applied Mechanics

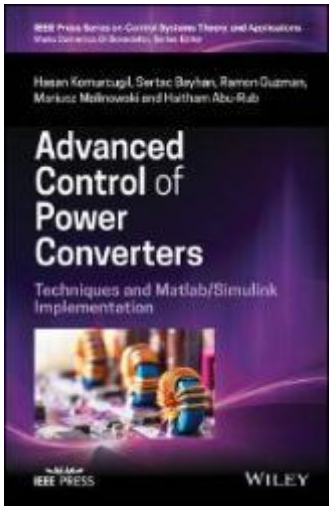
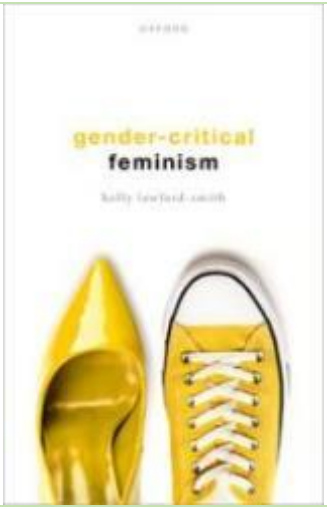
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		532 MUR-A
		179131; TB
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2		Introduction to mechanics of solid materials by Lallit Anand, Ken Kamrin and Sanjay Govindjee, Oxford: Oxford University Press, 2022. xix, 569 p. Includes bibliography and index (p.554-569) **ISBN**: 9780192866080 **Subject Terms**: Kinematics and strain, Elasticity, Stress concentration, Metal plasticity, Fracture mechanics
		539.3/.5 ANA-I
		179107; CL
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3		Mechanical wave vibrations: analysis and control by Chunhui Mei, Hoboken: Wiley, 2023. xv, 432 p. Includes index (p. 421-432) **ISBN**: 9781119135043 **Subject Terms**: Beams - Longitudinal waves, Advanced vibration theories, Beams - Bending waves, Wave vibration control, Finite beams
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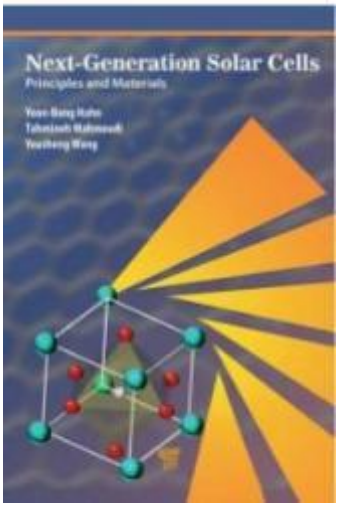
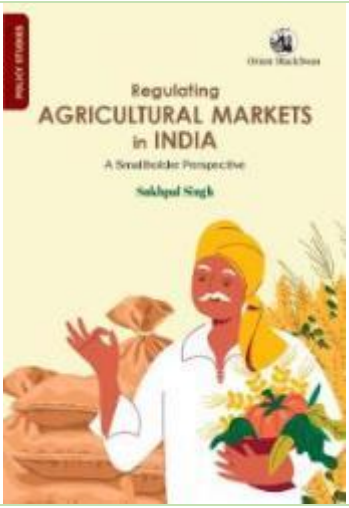
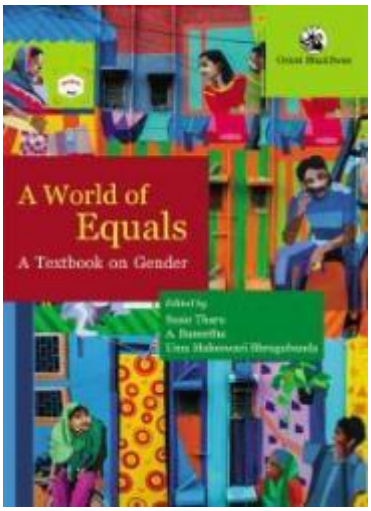
4		Structural analysis by Devdas Menon, 3rd ed., New Delhi: Narosa Publishing House, 2023. v. p. Includes index **ISBN**: 9788184877342 **Subject Terms**: Force response, Load, Theorem of least work, Statically indeterminate structures, Displacement methods
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Atmospheric Sciences		
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		627.5 -MOD
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Biochemical Engineering & Biotechnology		
6		Complex dynamics and morphogenesis: an introduction to nonlinear science Chaouqi Misbah, Dordrecht: Springer, 2017. xix, 463 p. Includes bibliography and index (p. 453-463) **ISBN**: 9789402414677 **Subject Terms**: Nonlinear phenomena, Bifurcation, Nonlinear stability, Adiabatic elimination, Spatial analysis
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Biomedical Engineering

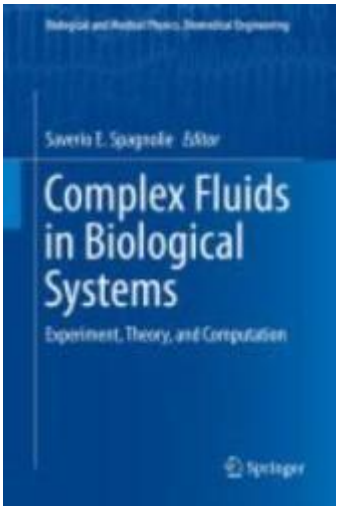
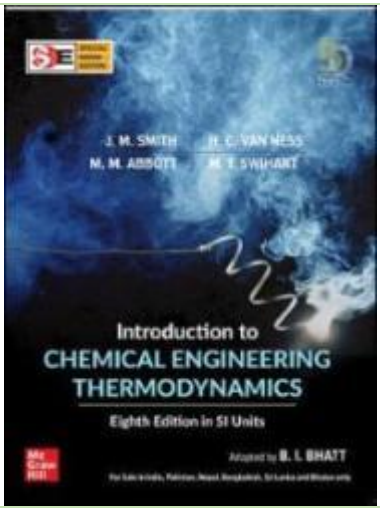
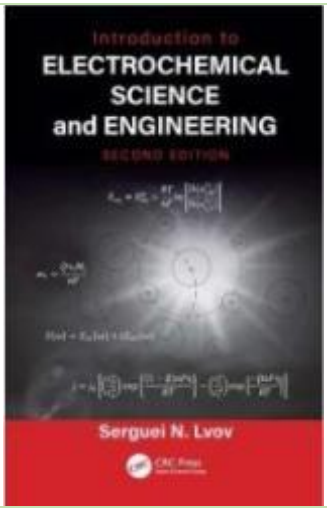
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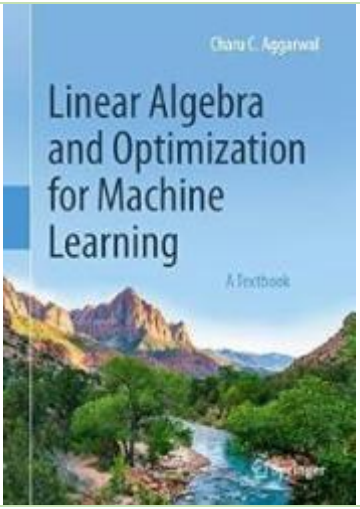
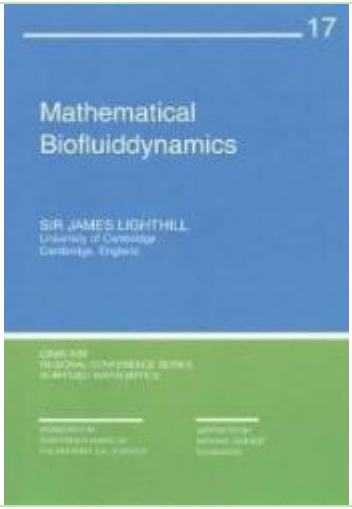
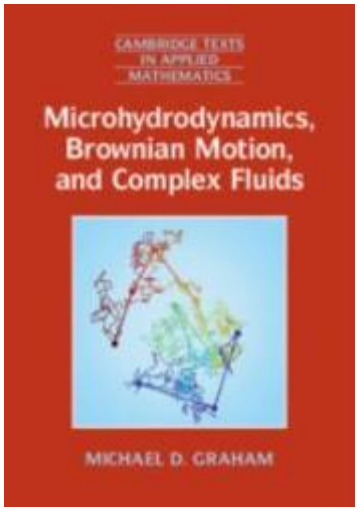
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9		Gender critical feminism by Holly Lawford-Smith, New York: Oxford University Press, 2022. xiv, 295 p. Includes index (p.289-295) **ISBN**: 9780198863885 **Subject Terms**: Gender identity, Intersectionality, Feminist theory, Feminism, Liberalism
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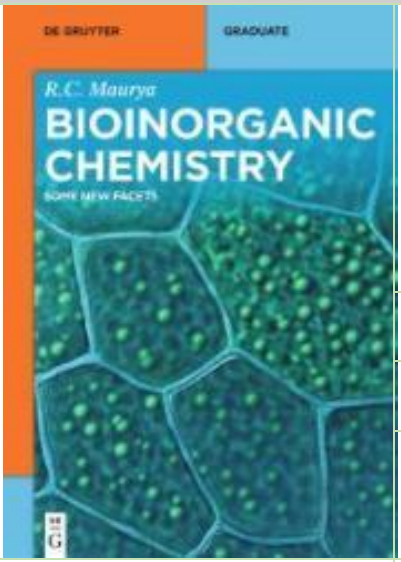
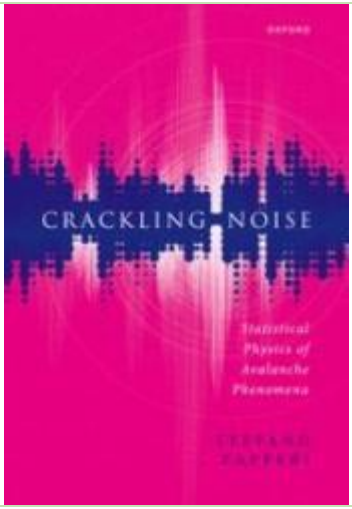
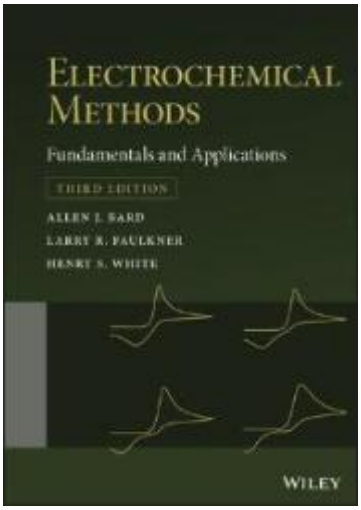
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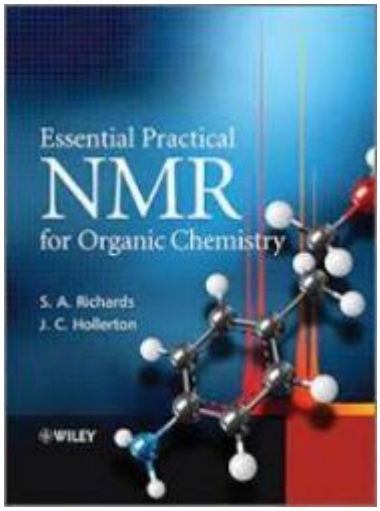
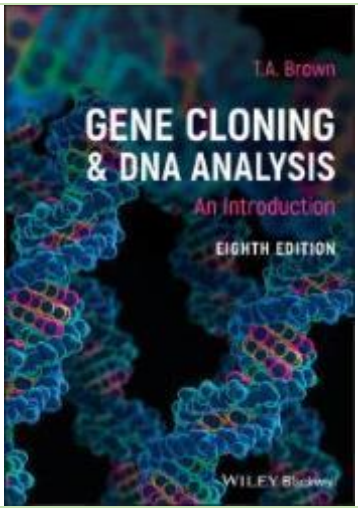
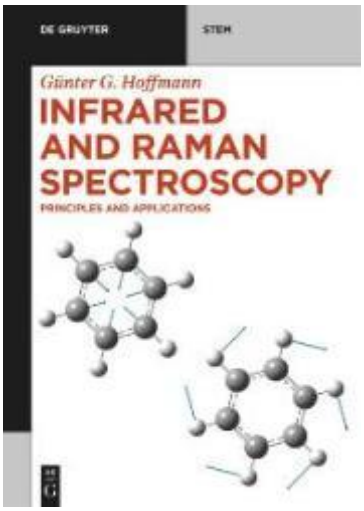
Chemical Engineering

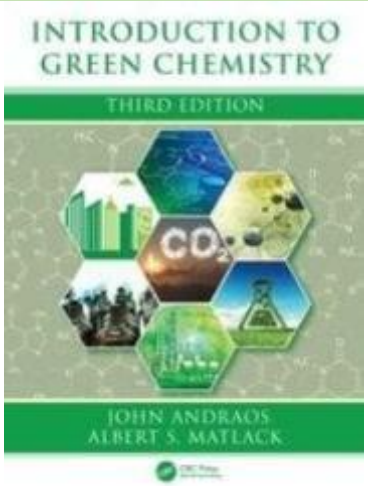
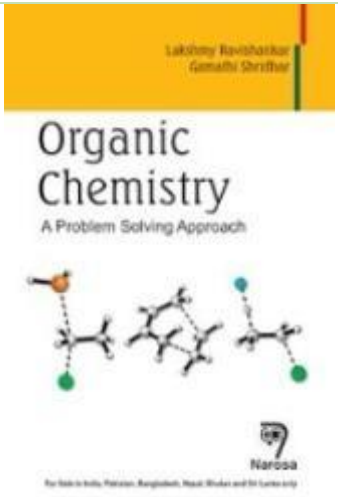
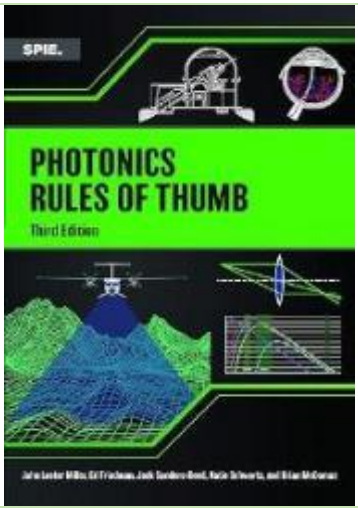
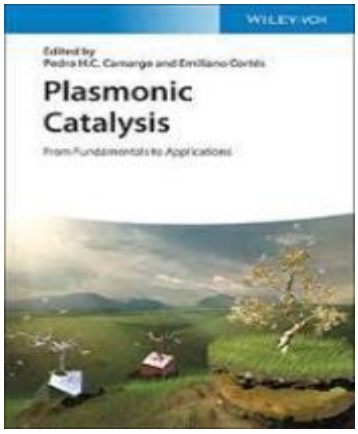
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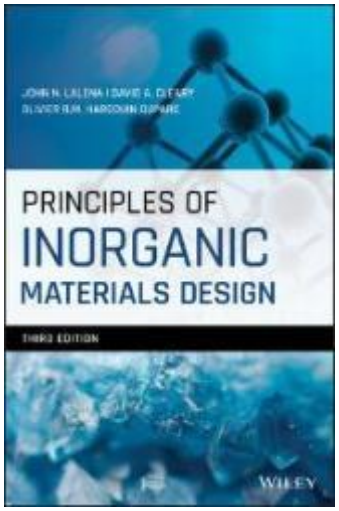
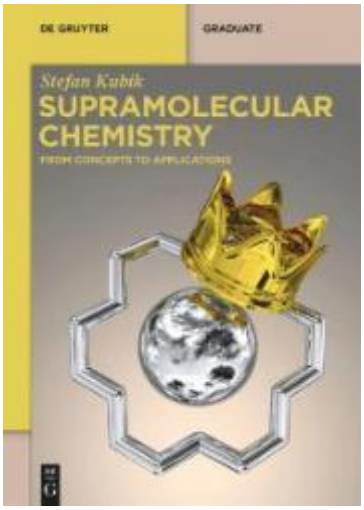
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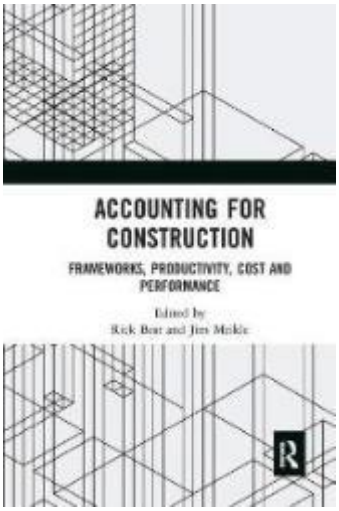
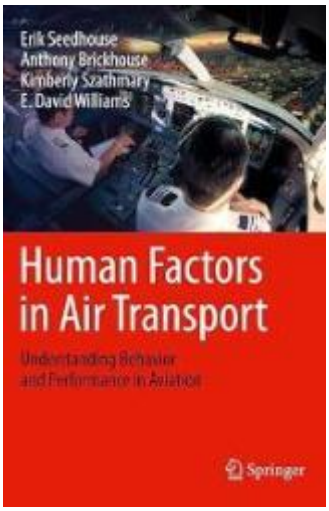
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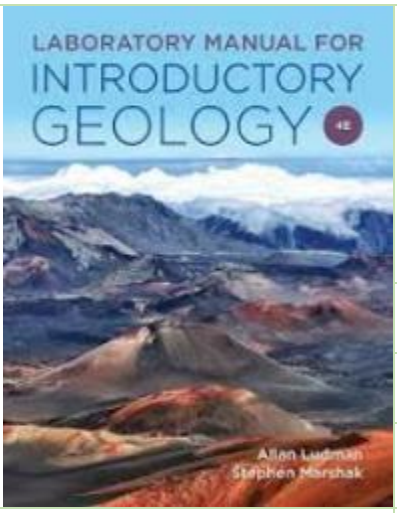
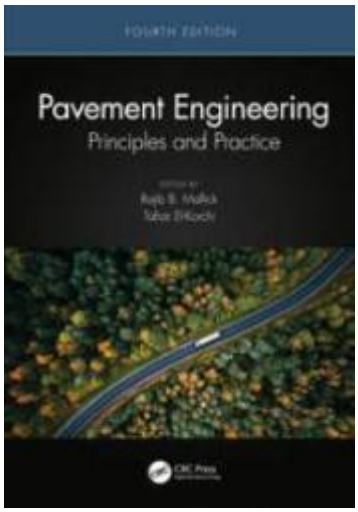
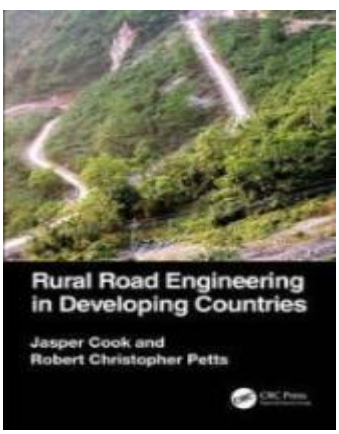
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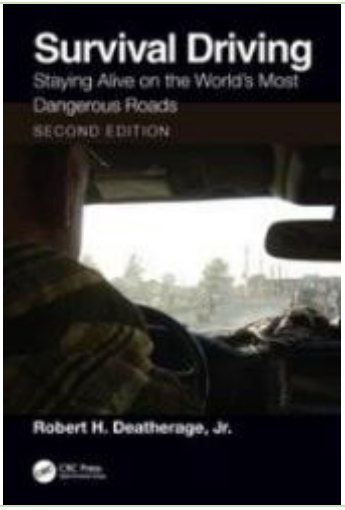
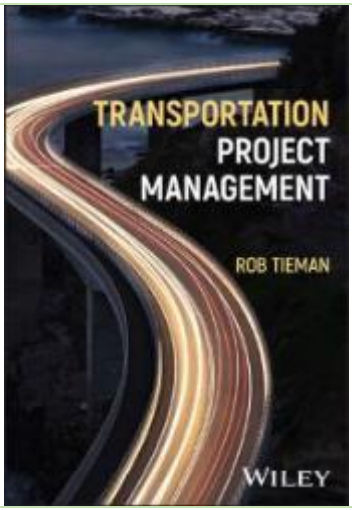
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		547 RAV-O
		179136; CL
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27		Photonics rules of thumb by John Lester Miller...(et al.), 3rd ed., Washington: SPIE, 2020. xxi, 714 p. Includes index (p.77-714) **ISBN**: 9781510631755 **Subject Terms**: Astronomy, Atmospherics, Cost and economics, Radiometry, Laser
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		179051; CL
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28		Plasmonic catalysis: from fundamentals to applications edited by Pedro H.C. Camargo and Emiliano Cortés, Weinhein: Wiley, 2021. xvii, 334 p. Includes index (p. 327-334) **ISBN**: 9783527347506 **Subject Terms**: Plasmonic scattering, Plasmonic nanoparticles, Electron microscopy, Plasmonic photocatalysis, Plasmonic excitation
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		544.528.2:773 MAI-P
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30		Principles of inorganic materials design by John N. Lalena, David A. Cleary and Olivier B.M. Hardouin Duparc, 3rd ed., Hoboken: Wiley, 2020. xxvi, 694 p. Includes index (p.683-694) **ISBN**: 9781119486831 **Subject Terms**: Inorganic chemistry - Materials, Inorganic compounds - Synthesis, Crystallographic considerations, Microstructural considerations, Crystal structures
		62.1:546 LAL-P
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31		Supramolecular chemistry: from concepts to applications by Stefan Kubik, Boston: De Gruyter, 2021. xvi, 597 p., - De Gruyter GRADUATE. Includes index (p.587-597) **ISBN**: 9783110595604 **Subject Terms**: Molecular recognition, Molecular topology, Molecular motion, Chromatography, Threading molecules
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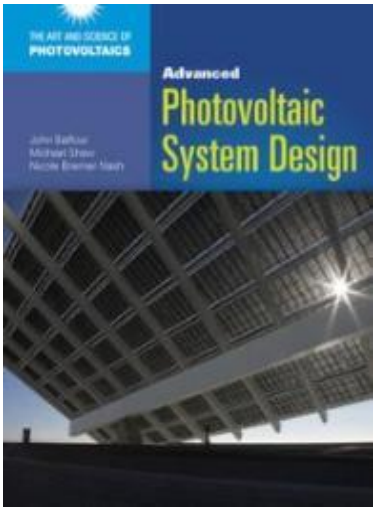
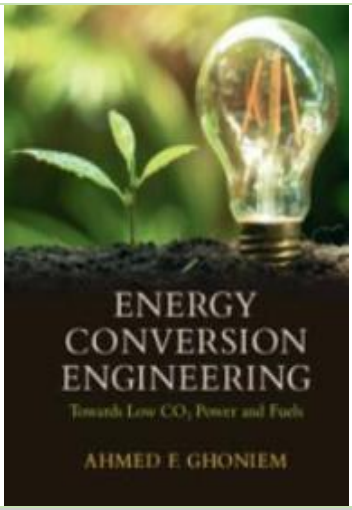
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33		B.S. Patil's building and engineering contracts by B.S. Patil and S.P. Woolhouse, 7th ed., New York: CRC Press, 2020. lviii, 646 p. Includes index (p. 641-646) **ISBN**: 9780367133313 **Subject Terms**: Construction - Tender, Building and construction, Project Management, Construction Engineering, Breach of contract 347.44:69 PAT-B 179072; CL **Click for more details.**
34		Human factors in air transport: understanding behavior and performance in aviation by Erik Seedhouse...(et al.), Cham: Springer, 2020. ix, 203 p. Includes index (p. 21-23) **ISBN**: 9783030138509 **Subject Terms**: Aeronautics - Human factors, Industrial and organizational psychology, Occupational medicine - Industrial Medicine, Aerospace technology, Communication 656.7 -HUM 179144; CL **Click for more details.**
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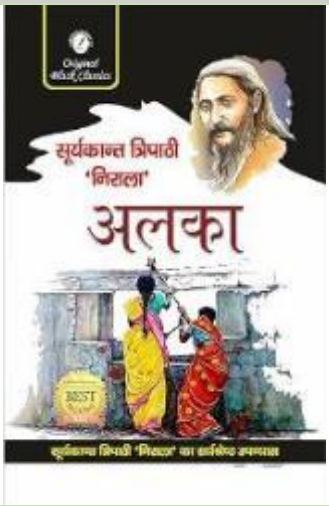
35		Laboratory manual for introductory geology by Allan Ludman and Stephen Marshak, 4th ed., New York: W. W. Norton, 2019. v. p. **ISBN**: 9780393617528 **Subject Terms**: Earth, Minerals, Plate tectonics, Rocks, Earthquakes 551.1/.4 LUD-L 179133; CL **Click for more details.**
36		Pavement engineering: principles and practice edited by Rajib B. Mallick and Tahar El-Korchi, 4th ed., Boca Raton: CRC Press, 2023. xxvii, 790 p. Includes index (p. 775-79) **ISBN**: 9780367758073 **Subject Terms**: Pavement - Design & construction, Concrete pavements, Asphalt pavements - construction, Environmental and geotechnical engineering, Transportation engineering 625.8 -PAV 179074; CL **Click for more details.**
37		Riemann problems and jupyter solutions by David I. Ketcheson, Randall J. LeVeque and Mauricio J. del Razo, Philadelphia: SIAM Publications, 2020. xii, 166 p., - Fundamentals of algorithms. Includes bibliography and index (p.163-166) **ISBN**: 9781611976205 **Subject Terms**: Geometric analysis, Hyperbolic differential equation, Differential equations, Burger's equation, Shallow water equations 517.95 KET-R 179087; CL **Click for more details.**
38		Rural road engineering in developing countries by Jasper Cook and Robert Christopher Petts, Boca Raton: CRC Press, 2023. xxx, 455 p. Includes index (p. 443-455) **ISBN**: 9780367860592 **Subject Terms**: Rural road policy, Road classification, Rural road environment, Earthworks, Hydrology and drainage 625.7 COO-R 179048; CL **Click for more details.**

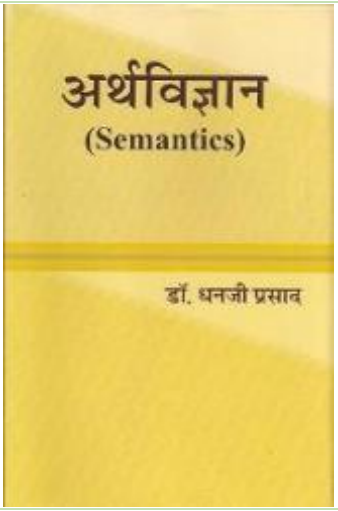
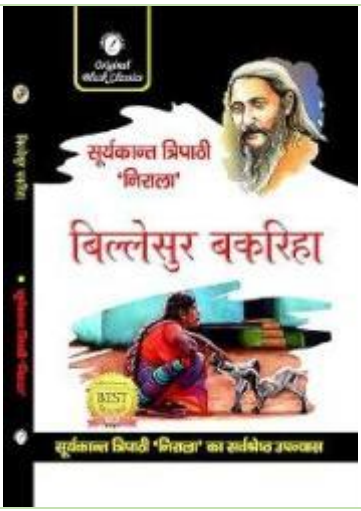
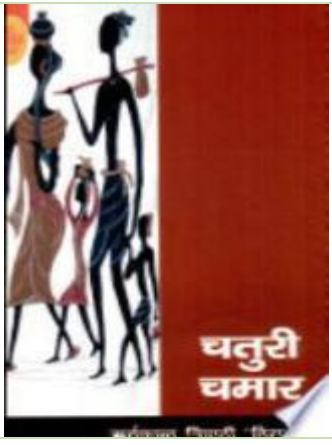
39		Survival driving Robert H. Deatherage, 2nd ed., Boca Raton: CRC Press, 2022. xi, 154 p. Includes index (p. 151-154) **ISBN**: 9781032065625 **Subject Terms**: Automobile driving - Security measures, Motorcades - Security measures, Surveillance detection, Driving basics, Vehicle dynamics
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		179145; CL
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40		Transportation project management by Rob Tieman, Hobokon: Wiley, 2024. vii, 296 p. Includes Index (p. 287-296) **ISBN**: 9781394185474 **Subject Terms**: Highway engineering, Transportation engineering, Project development process, Managing risk, Project communications
		625:5.8 TIE-T
		179050; CL
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41		Waste recovery and management: an approach towards sustainable development goals edited by Ajay Parveen...(et al.), Boca Raton: CRC Press, 2023. xxii, 396 p. **ISBN**: 9781032281933 **Subject Terms**: E-Waste management, Medical Waste management, Waste collection system, Sustainable technologies, Agro-waste management
		628.477.6 -WAS
		179126; CL
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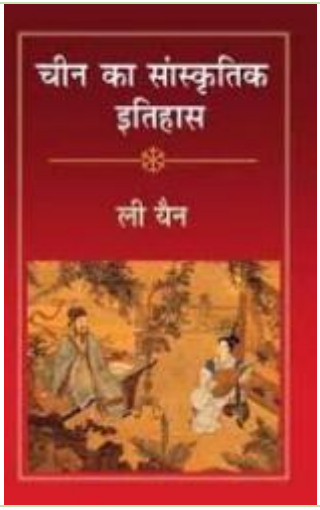
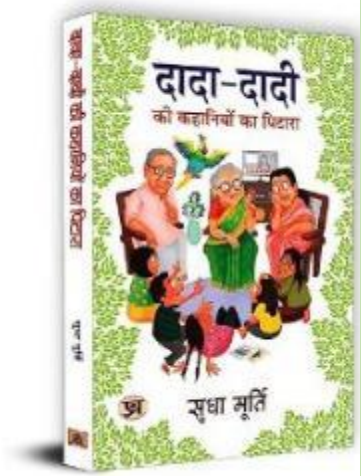
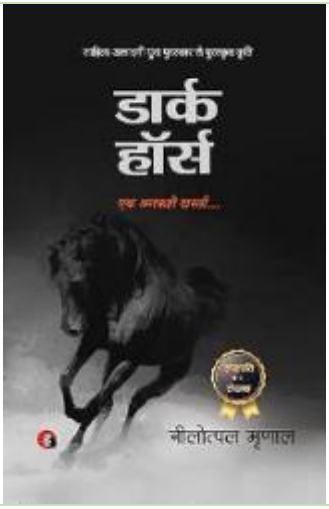
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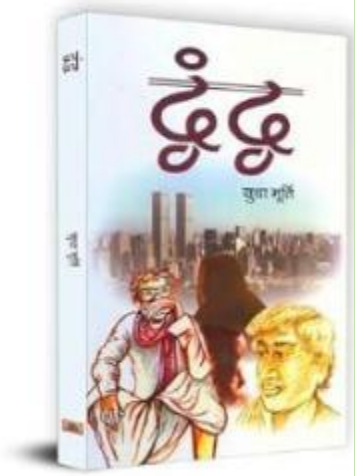
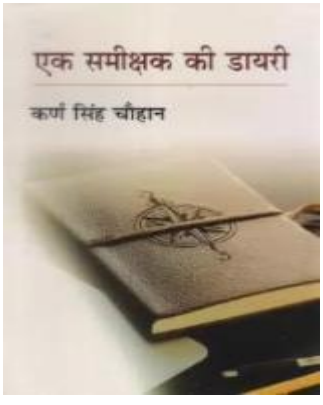
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		621.311.243 BAL-A
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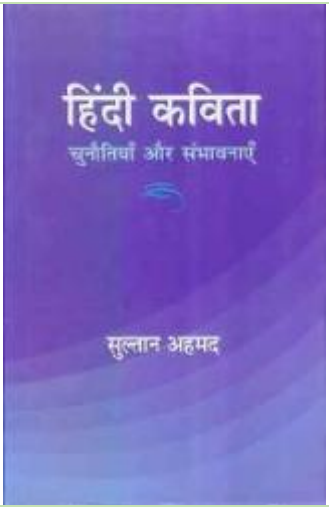
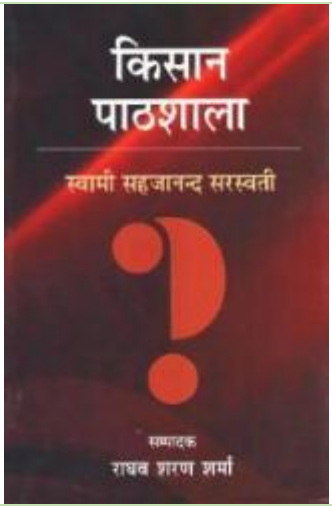
Hindi Cell

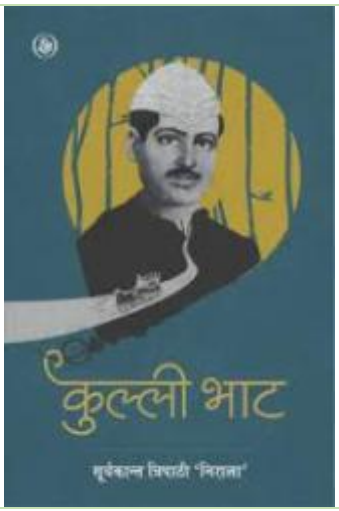
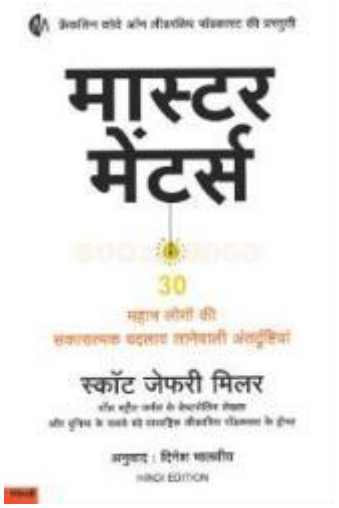
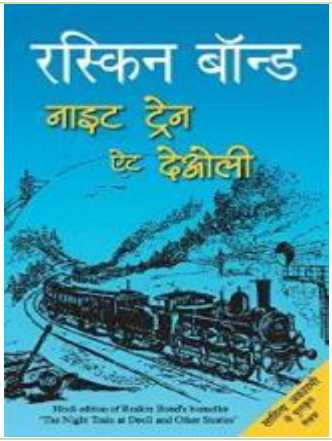
44		Alka (अलका) by Suryakant Tripathi Nirala, New Delhi: Prakashan Sansthan, 2023. 136 p. **ISBN**: 9789389140477 **Subject Terms**: Hindi literature - Novel, Hindi fiction
		H 821.214.21-31 NIR-A
		H206; CL
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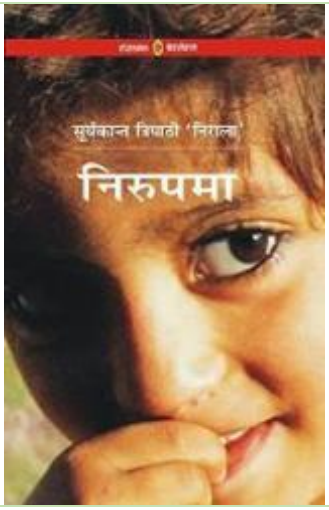
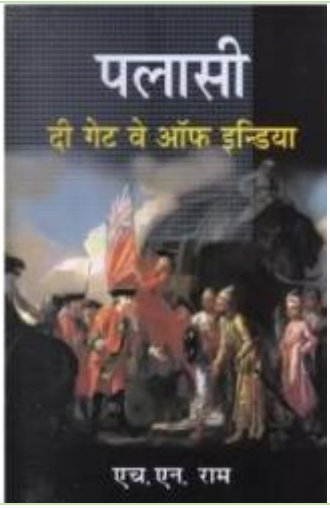
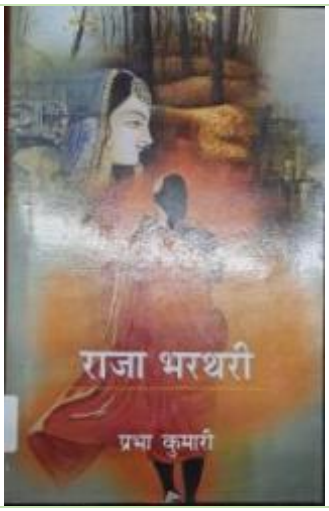
45		Arthvigyan (अर्थविज्ञान) by Dhanji Prasad, New Delhi: Prakashan Sansthan, 2023. viii, 268 p. Includes references (p. 263-268) **ISBN**: 9789389140828 **Subject Terms**: Semantic - Hindi language, Computational semantics, Semantic complexities, Semantic change H 81'37 PRA-A H213; CL **Click for more details.**
46		Bichhude sabhi bari-bari (बिछड़े सभी बारी-बारी) by Karn Singh Chauhan, New Delhi: Prakashan Sansthan, 2023. vii, 224 p. **ISBN**: 9789389127867 **Subject Terms**: Hindi literature - memoirs, Literary authors - memoirs, Imaginative interview H 821.214.21-94 CHA-B H201; CL **Click for more details.**
47		Billesur bakriha (बिल्लेसुर बकरिहा) by Suryakant Tripathi Nirala, New Delhi: Prakashan Sansthan, 2023. vii, 112 p. **ISBN**: 9789389140170 **Subject Terms**: Hindi literature - Novel, Hindi fiction, Story - Kamala H 821.214.21-31 NIR-B H208; CL **Click for more details.**
48		Chaturi chamar (चतुरी चमार) by Suryakant Tripathi Nirala, New Delhi: Prakashan Sansthan, 2023. iii, 72 p. **ISBN**: 9789389140781 **Subject Terms**: Hindi literature - Story, Story - Saphalata H 821.214.21-32 NIR-C H209; CL **Click for more details.**

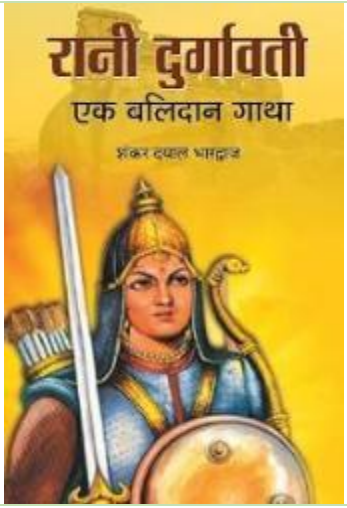
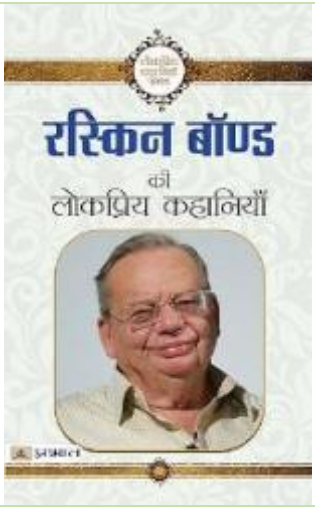
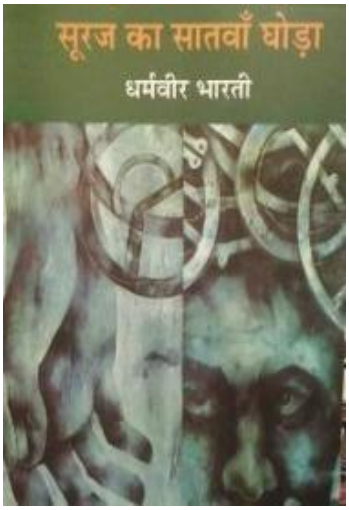
49		Cheen ka sanskritk itihas (चीन का सांस्कृतिक इतिहास) edited by Li Yen, New Delhi: Prakashan Sansthan, 2022. 391 p. **ISBN**: 9789392083754 **Subject Terms**: Hindi literature, Chinese culture, Cultural - History - China
		H 93.85(51) -CHE
		H198; CL
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50		Dada dadi ki kahaniyo ka pitara (दादा दादी की कहानियों का पिटारा) by Sudha Murthy, New Delhi: Prabhat Prakashan, 2023. 208 p. **ISBN**: 9789390900428 **Subject Terms**: Hindi literature - Stories, Hindi fiction
		H 821.214.21-32 MUR-D
		H217; CL
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51		Dark Horse (डार्क हॉर्स): ek ankahi dastan (एक अनकही दास्तान) by Nilotpal Mrinal, Noida: Hind Yugm, 2023. 176 p. **ISBN**: 9789392820380 **Subject Terms**: Hindi literature - Novel, Hindi fiction, Mukherjee Nagar, Delhi, Struggle - IAS/IPS preparation
		H 821.214.21-31 MRI-D
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52		Darmiyaan (दरमियान): sarhad ki diary (सरहद की डायरी) by Manohar Batham, New Delhi: Prakashan Sansthan, 2023. viii, 344 p. **ISBN**: 9789389140460 **Subject Terms**: Hindi Literature - Diaries, Diary of soldier, Autobiography
		H 821.214.21-94 BAT-D
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53		Dharati chhodne ke baad (धरती छोड़ने के बाद): vigyan katha-sangrah (विज्ञान कथा-संग्रह) by Pragya Gautam, New Delhi: Prakashan Sansthan, 2023. vi, 168 p. **ISBN**: 9789389127829 **Subject Terms**: Hindi literature - Science fiction, Science story collection
		H 821.214.21-311.9 GAU-D
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54		Dwandwa (द्वंद्व) by Sudha Murthy, New Delhi: Prabhat Prakashan, 2021. 167 p. **ISBN**: 9789390366071 **Subject Terms**: Hindi literature - Novel, Hindi fiction
		H 821.214.21-31 MUR-D
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55		Ek samikshak ki diary (एक समीक्षक की डायरी) by Karn Singh Chauhan, New Delhi: Prakashan Sansthan, 2023. vii, 200 p. **ISBN**: 9789389127959 **Subject Terms**: Hindi literature - Criticism, Literary criticism
		H 821.214.21-95 CHA-E
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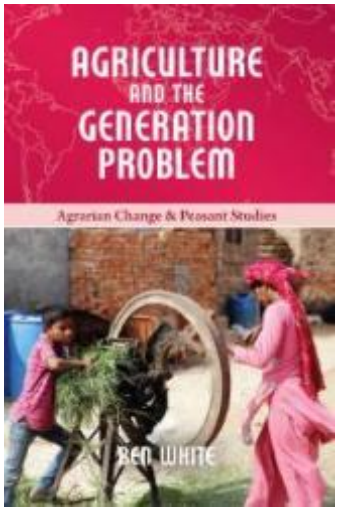
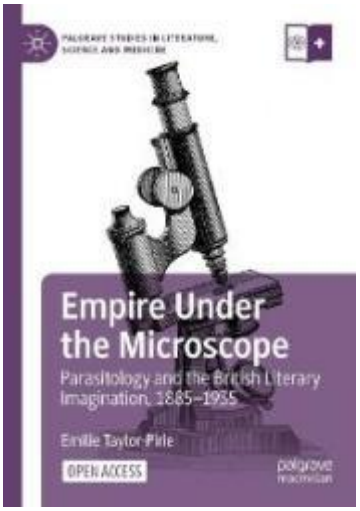
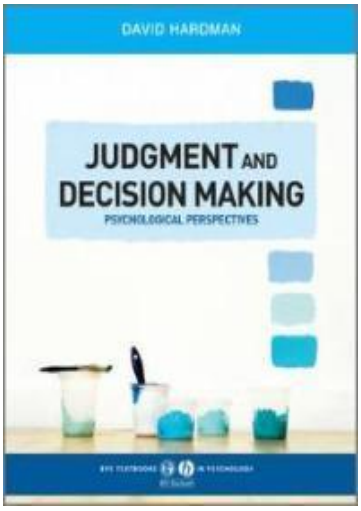
56		Hindi kavita (हिंदी कविता): chunanutiyan aur sambhavanayen (चुनौतियाँ और संभावनाएँ) by Sultan Ahmed, New Delhi: Prakashan Sansthan, 2023. x, 256 p. **ISBN**: 9789389127843 **Subject Terms**: Hindi literature - Poems, Poetry, Criticism - Poetry H 821.214.21-1 AHM-H H200; CL **Click for more details.**
57		Kab tak pukaroon (कब तक पुकारूँ) by Rangey Raghav, New Delhi: Prakashan Sansthan, 2023. ix, 520 p. **ISBN**: 9789389140194 **Subject Terms**: Hindi Literature - Novel, Hindi fiction, Nat caste H 821.214.21-31 RAG-K H211; CL **Click for more details.**
58		Kisan pathshala (किसान पाठशाला) by Swami Sahajanand Saraswati; edited by Raghava Saraṇa Sarma, New Delhi: Prakashan Sansthan, 2023. xi, 248 p. **ISBN**: 9789389127973 **Subject Terms**: Farmers life H 316.343:63-51 SAR-K H204; CL **Click for more details.**
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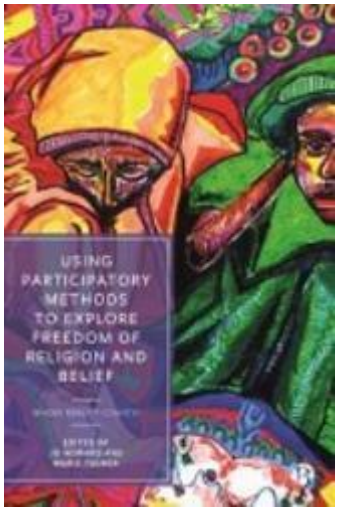
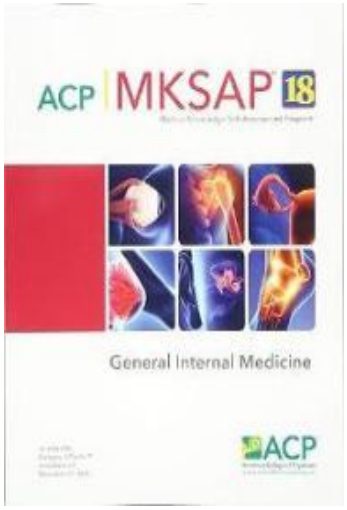
59		Kullibhat (कुल्लीभाट) by Suryakant Tripathi Nirala, New Delhi: Prakashan Sansthan, 2023. vii, 128 p. **ISBN**: 9789389140316 **Subject Terms**: Hindi literature - Novel, Hindi fiction, Story - Hirni, Story-Parivartan
		H 821.214.21-31 NIR-K
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60		Master Mentors (मास्टर मेंटर्स): 30 mahan logon ki sakaratamk badalaw lanewali antrdhrisityan (30 महान लोगों की सकारात्मक बदलाव लानेवाली अन्तर्दृष्टियां) by Scott Jeffrey Miller; translated by Dinesh Malviya, New Delhi: Mymirror, 2023. 208 p. **ISBN**: 9789391282509 **Subject Terms**: Hindi literature, Personality development, Leadership qualities, Rise in career
		H 316.612 MIL-M
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61		Nadi rukti nahi (नदी रुकती नहीं) by Jiyalal Arya, New Delhi: Prakashan Sansthan, 2023. vii, 136 p. **ISBN**: 9788196778927 **Subject Terms**: Hindi literature - Story, Hindi fiction, Life experience based stories
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62		Night train at Deoli (नाइट ट्रेन ऐट देओली) by Ruskin Bond, Delhi: Rajpal, 2015. 199 p. **ISBN**: 9789350642603 **Subject Terms**: Stories, Story - Patang wala, Story - Mandar ka ped
		H 821.214.21-32 BON-N
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63		Nirupama (निरुपमा) by Suryakant Tripathi Nirala, New Delhi: Prakashan Sansthan, 2023. 120 p. **ISBN**: 9789389140880 **Subject Terms**: Hindi literature - Novel, Hindi fiction
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64		Palasi (पलासी): the gate way of India by H.N. Ram, New Delhi: Prakashan Sansthan, 2022. viii, 271 p. **ISBN**: 9789392083136 **Subject Terms**: Hindi literature, War history, Historical story
		H 821.214.21-311.6 RAM-P
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65		Raja bharthari (राजा भरथरी) by Prabha Kumari, New Delhi: Prakashan Sansthan, 2023. x, 384 p. **ISBN**: 9789392083129 **Subject Terms**: Hindi literature - Novel, Hindi fiction, Story - Raja Bharthari
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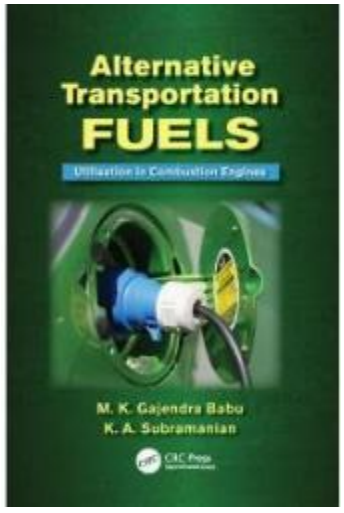
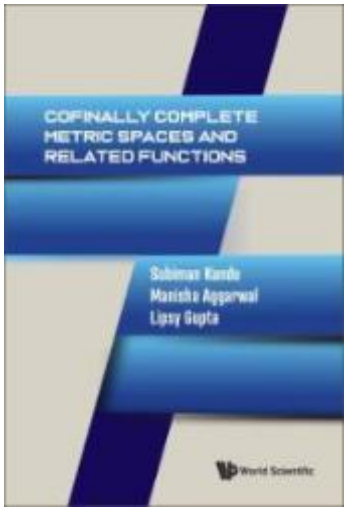
66		Rani Durgavati (रानी दुर्गावती): ek balidan gatha (एक बलिदान गाथा) by Shankar Dayal Bhardwaj, New Delhi: Gyan Ganga, 2023. 159 p. **ISBN**: 9789386054999 **Subject Terms**: Hindi literature - Historical novel, Historical - Story
		H 821.214.21-311.6 BHA-R
		H219; CL
		Click for more details.
67		Ruskin bond ki lokpriya kahaniyan (रस्किन बांड की लोकप्रिय कहानियां) by Ruskin Bond, New Delhi: Prabhat Paperbacks, 2022. 175 p. **ISBN**: 9789351865513 **Subject Terms**: Hindi literature - Stories, Hindi fiction
		H 821.214.21-32 BON-R
		H215; CL
		Click for more details.
68		Suraj ka satwan ghora (सूरज का सातवां घोड़ा) by Dharmveer Bharti, New Delhi: Vani Prakashan, 2023. 80 p. **ISBN**: 9789355185808 **Subject Terms**: Hindi literature - Novel, Hindi fiction, Story - Namak ki adayagi, Story- Kale bent ka chaku
		H 821.214.21-31 BHA-S
		H216; CL
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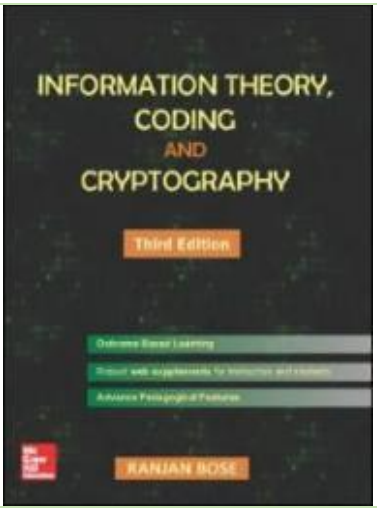
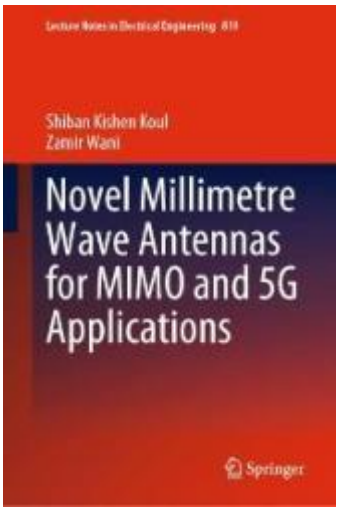
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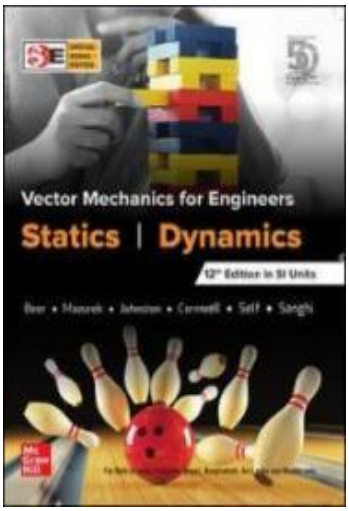
69		Agriculture and the generation problem by Ben White, Warwickshire: Practical Action Publishing, 2020. xii, 147 p., - Agrarian change and the peasant studies. Includes index (p.143-147) **ISBN**: 9781788530118 **Subject Terms**: Conflict of generations, Family farms, Rural development, Sociology rural, Farming activity
		316.324.5 WHI-A
		179084; CL
		Click for more details.
70		Empire under the microscope: parasitology and the British literary imagination by Emilie Taylor-Pirie, Cham: Springer, 2022. xiii, 294 p., - Palgrave studies in literature, science and medicine. Includes bibliography and index (p. 259-294) **ISBN**: 9783030847166 **Subject Terms**: Hematology, Tropical medicine, Fiction literature, Literature and medicine, Medical parasitology
		821.111-96 TAY-E
		179060-179061; CL; HSS
		Click for more details.
71		Judgment and decision making: psychological perspectives by David Hardman, Chichester: BPS Blackwell, 2009. vii, 221 p., - BPS textbooks in psychology. Includes index (p. 211-221) **ISBN**: 9781405123983 **Subject Terms**: Judgement - textbook, Dynamics decisions, Judging probability, Reflective thinking, Decision making - Textbook
		159.955.5 HAR-J
		179042; CL
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72		Using participatory methods to explore freedom of religion and belief edited by Jo Howard and Mariz Tadros, Bristol: Bristol University Press, 2023. ix, 243 p. Includes index (p. 238-243) **ISBN**: 9781529229288 **Subject Terms**: Freedom of religion, Intellectual freedom, Participant observation, Social science methodology, Religious inequalities
		342.724 -USI
		179146; CL
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	IIT Hospital	
73		MKSAP 18 board basics: an enhancement to MKSAP18 edited by Virginia U. Collier, Philadelphia: American College of Physicians, 2018. xi, 408 p. **ISBN**: 9781938245732 **Subject Terms**: Cardiovascular medicine, Dermatology, Hematology, Infectious disease, Rheumatology
		612.1/.8-MKS
		179085; IITH
		Click for more details.
74		MKSAP® 18 general internal medicine by edited Paul S. Mueller, Philadelphia: American College of Physicians, 2018. xiv, 286 p. Includes index (p. 277-286) **ISBN**: 9781938245558 **Subject Terms**: Dyslipidemia, Eye disorders, Geriatric medicine, Behavioral health, Palliative Medicine
		614 -MKS
		179086; IITH
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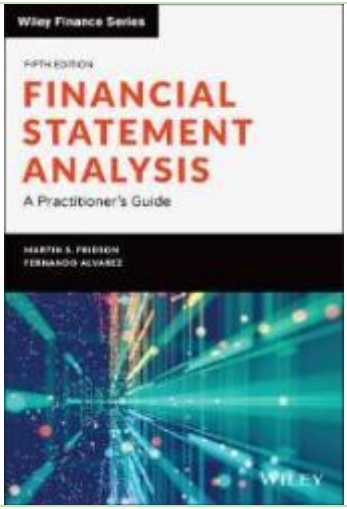
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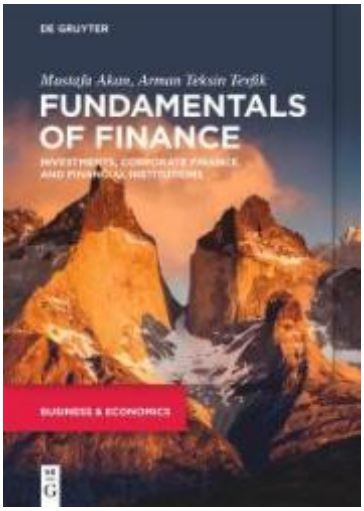
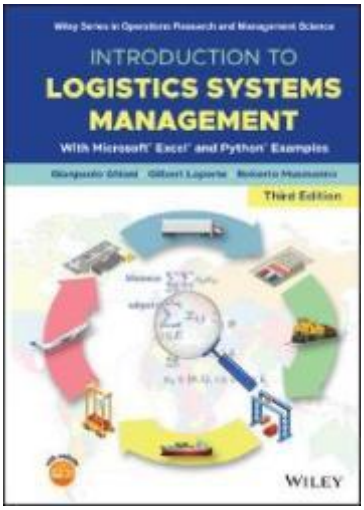
75		Alternative transportation fuels: utilisation in combustion engines by M.K. Gajendra Babu and K.A. Subramanian, Boca Raton: CRC Press, 2017. xxiii, 440 p. Includes index (p. 435-44) **ISBN**: 9781138076662 **Subject Terms**: Motor fuels, Conventional fuels - Land transportation, Aviation fuels, Fuel quality, Spark ignition engines
		662.6 BAB-A
		179077; CL
		Click for more details.
76		Cofinally complete metric spaces and related functions by Subiman Kundu, Manisha Aggarwal and Lipsy Gupta, Singapore: World Scientific, 2023. xvi, 134 p. Includes bibliography (p.127-134) **ISBN**: 9789811272653 **Subject Terms**: Lipschitz-type functions, Hilbert space, Hyperspace topologies, Stronger cofinal completeness, Cofinal completions
		515.124 KUN-C
		179063; CL
		Click for more details.
77		Discrete-time stochastic sliding-mode control using functional observation by Satnesh Singh and S. Janardhanan, Cham: Springer, 2020. xvii, 114 p., - Lecture Notes in Control and Information Sciences. Includes index (p.113-114) **ISBN**: 9783030328023 **Subject Terms**: Discrete time, Functional observers, Stability analysis, Controller design, Stochastic systems
		681.511 SIN-D
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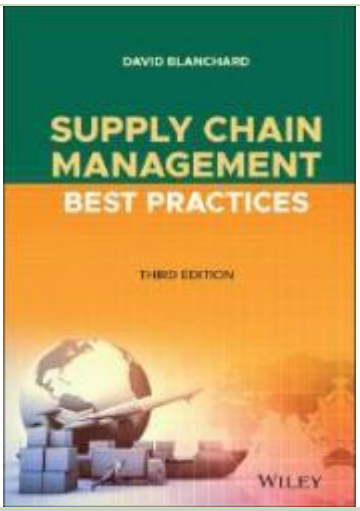
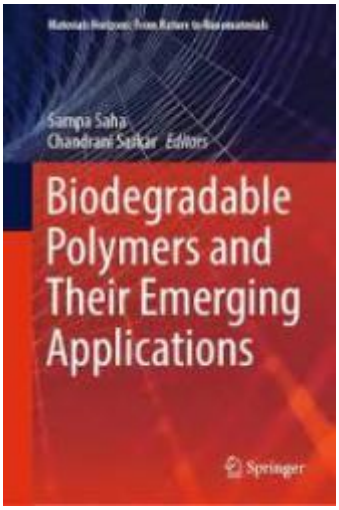
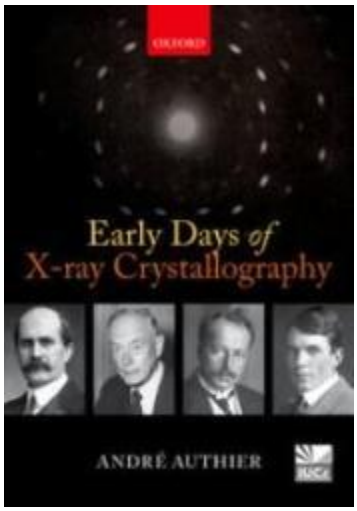
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79		Information theory, coding and cryptography by Ranjan Bose, 3rd ed., New Delhi: McGraw Hill, 2016. xxvi, 463 p. Includes index (p.454-463) **ISBN**: 9789385880568 **Subject Terms**: Arithmetic coding, Linear block codes, Cyclic codes, Polynomials, Physical layer security
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		351:4 SUR-S
		179108; CL
		Click for more details.
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		179109; CL
		Click for more details.
83		Vector mechanics for engineers: statics and dynamics by Ferdinand P. Beer... (et al.), 12th ed., Chennai: McGraw Hill, 2019. v. p. **ISBN**: 9789353166625 **Subject Terms**: Systems - Particles, Mechanical vibrations, Rigid bodies, Moments of inertia, Kinematics - Particles
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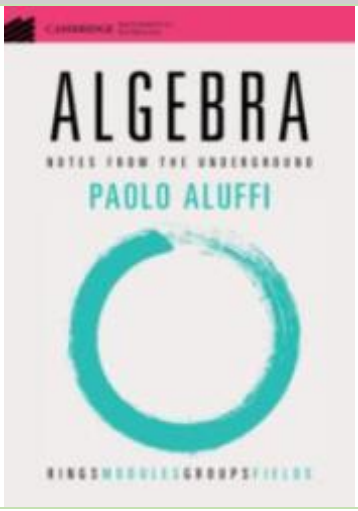
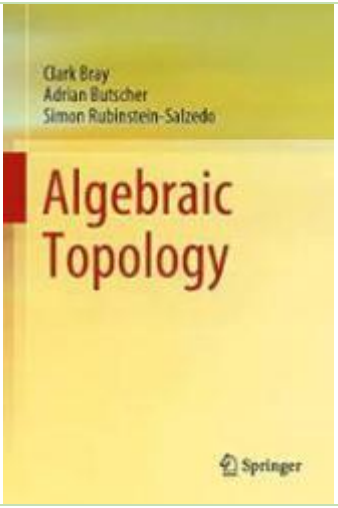
Management Studies

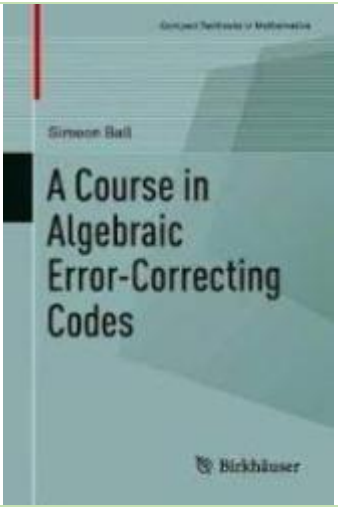
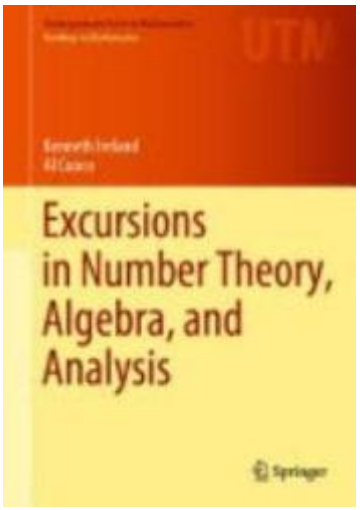
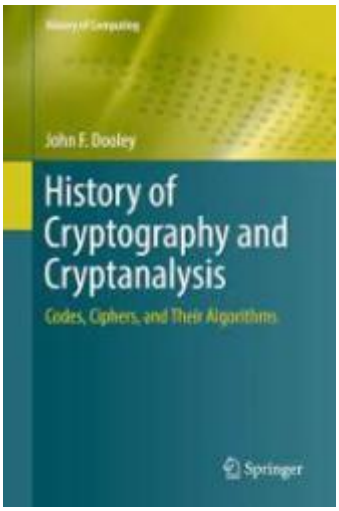
84		Co-evolution strategy canvas by Jiang Yong Lu, Singapore: Springer, 2021. x, 227 p. **ISBN**: 9789811559877 **Subject Terms**: Business and Management, Business planning, SWOT analysis, Entrepreneurship, Management science 658 LU-C 179121; CL **Click for more details.**
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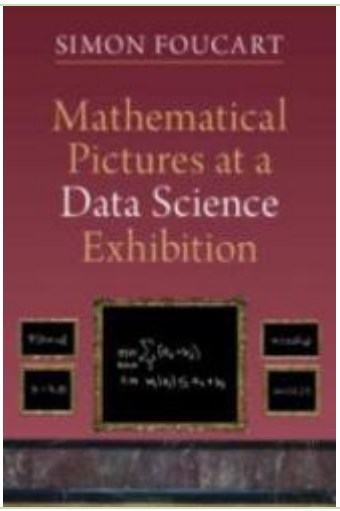
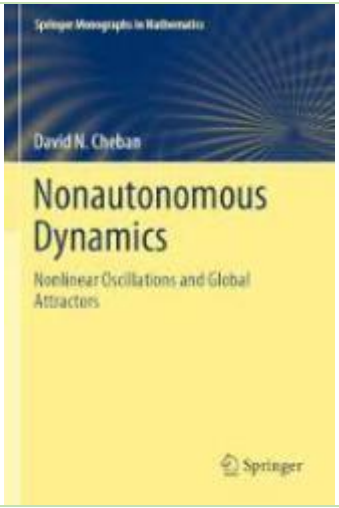
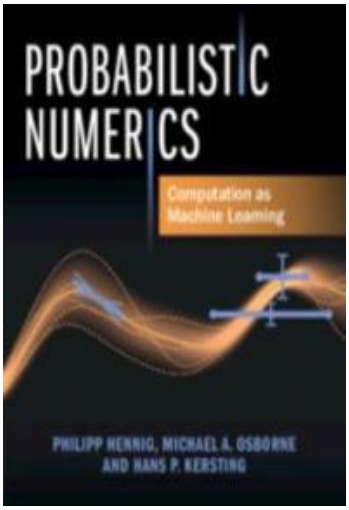
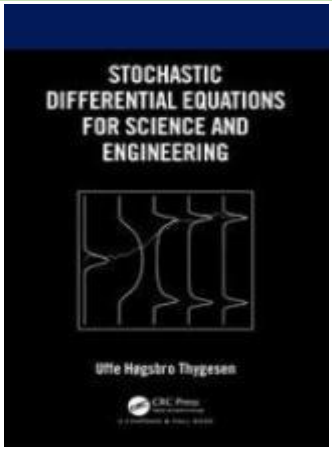
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		658.14/.17 EIT-M
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Materials Science & Engineering		
91		Biodegradable polymers and their emerging applications edited by Sampa Saha and Chandrani Sarkar, Singapore: Springer, 2023. xviii, 263 p., - Materials horizons: From nature to nanomaterials. Includes index (p.259-263) **ISBN**: 9789819933068 **Subject Terms**: Biodegradable plastics, Bio-polymeric green composites, Biodegradable polyurethanes, Anisotropic polymeric particles, Cellulose biodegradable polymers
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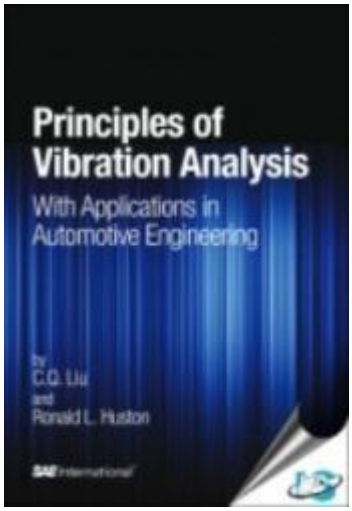
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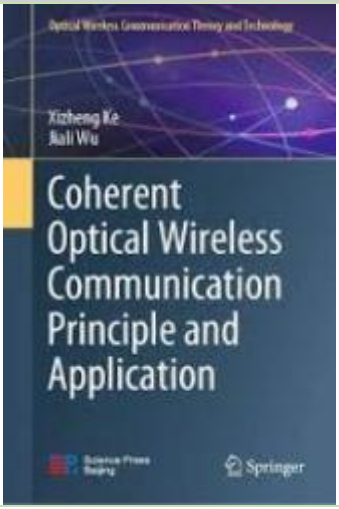
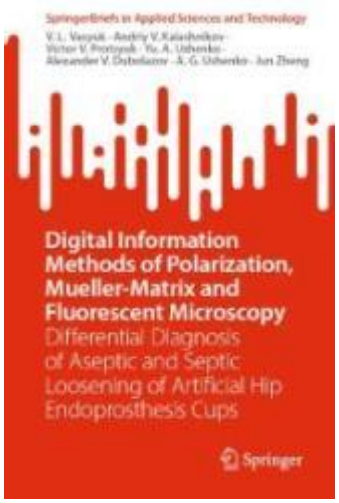
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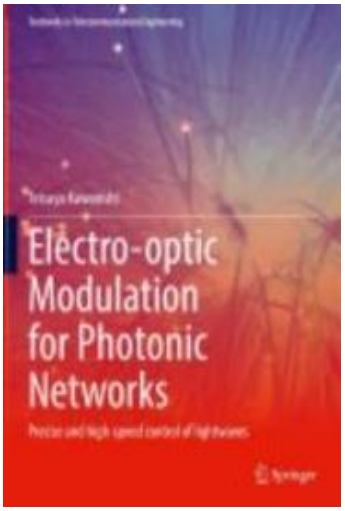
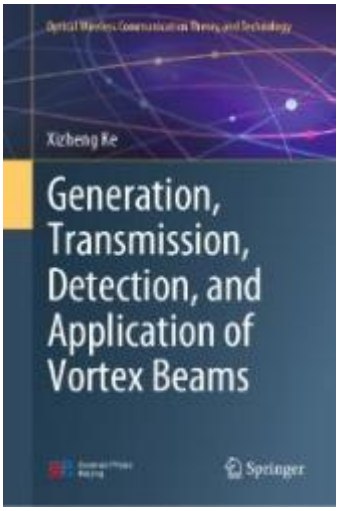
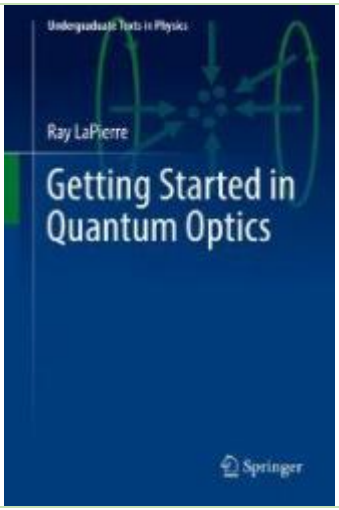
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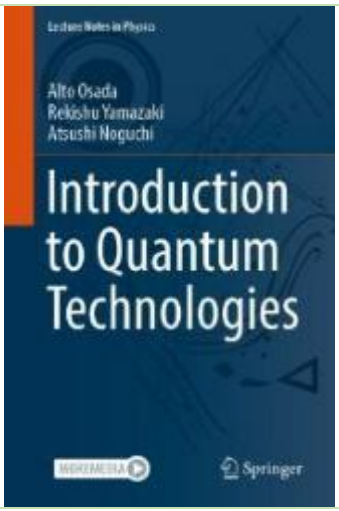
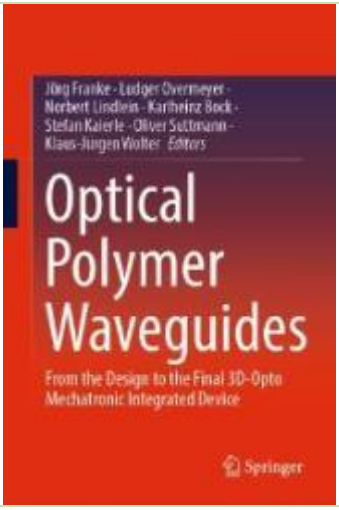
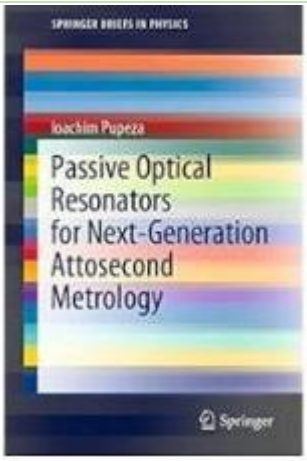
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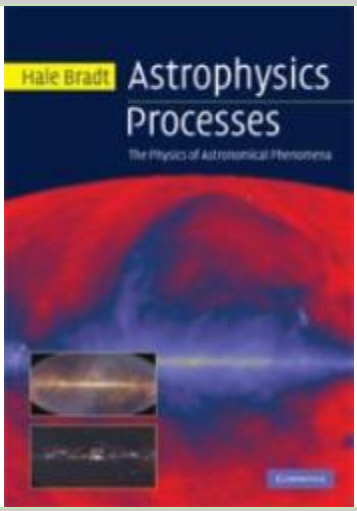
Optics and Photonics

104		Coherent optical wireless communication principle and application by Xizheng Ke and Jiali Wu, Singapore: Springer, 2022. xv, 461 p., - Optical Wireless Communication Theory and Technology. **ISBN**: 9789811948220 **Subject Terms**: Wireless communication systems, Coherent detection system, Beam polarization, Fiber coupling, Sensorless adaptive
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105		Digital information methods of polarization, Mueller-matrix and fluorescent microscopy: differential diagnosis of aseptic and septic loosening of artificial hip endoprosthesis cups by V. L. Vasyuk ...(et.al), Singapore: Springer, 2023. xiv, 102 p., - Springer briefs in applied sciences and technology. Includes references (p. 99-1) **ISBN**: 9789819947348 **Subject Terms**: Medical physics, Photonics engineering, Biomedical engineering, Artificial hip joints - Complications, Polarizing Microscopy
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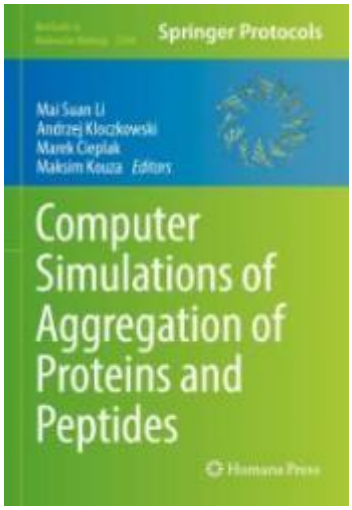
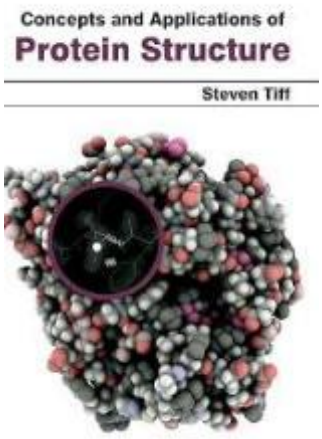
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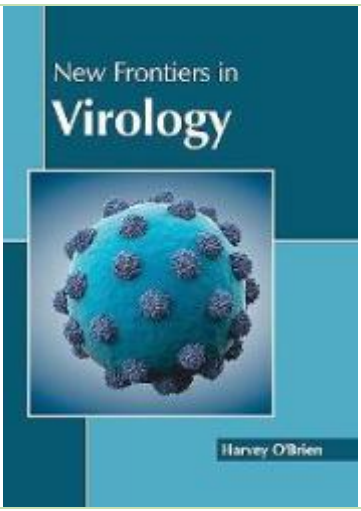
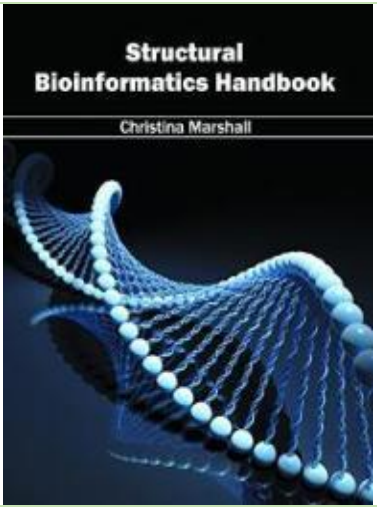
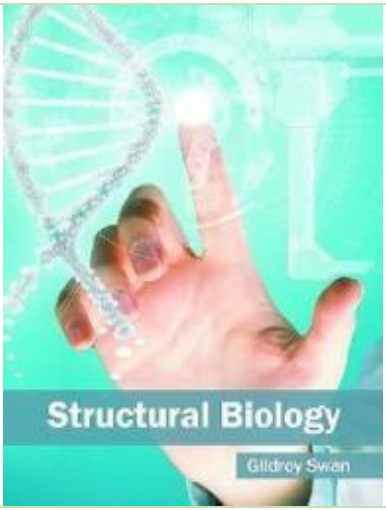
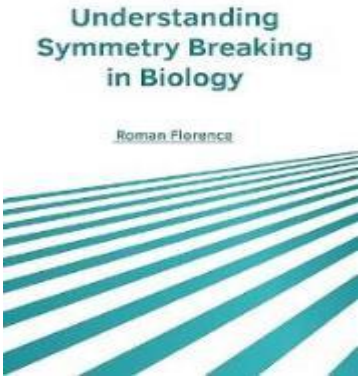
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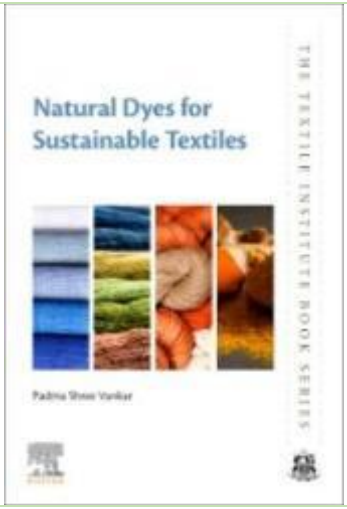
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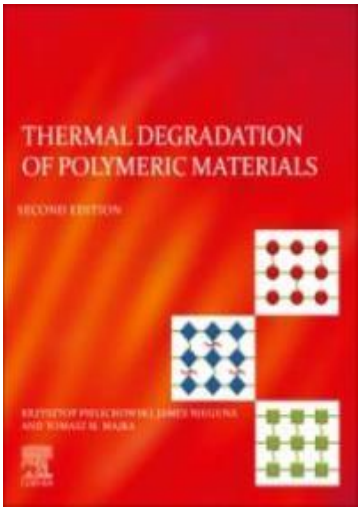
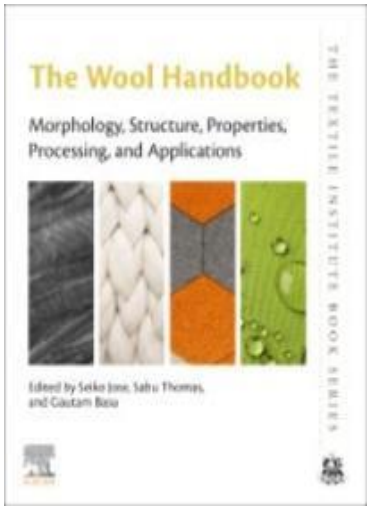
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Researcher	:	Priyanka
Department	:	Department of Biochemical Engineering and Biotechnology, IITD
Year	:	2023
Supervisor	:	Sharma, Shilpi (Prof.) - BEB (Guide)
Physical description	:	xxii, 220 p.
Subject terms	:	Sustainable agriculture, Plant growth, Soil nutrients, Bioformulation in agriculture, Characterization of the bacterial strains
Barcode	:	TH7465
Call No.	:	TH 635.654:631.8 PRI-E
Title	:	Monotonic and cyclic behaviour of concrete beams of low shear spans reinforced with high-yield strength steel

Researcher	:	Sahu, Suraj Kumar
Department	:	Department of Civil Engineering, IITD
Year	:	2023
Supervisor	:	Sahoo, Dipti Ranjan (Prof.) - CE (Guide)
Physical description	:	xxxvi, 323 p.
Subject terms	:	Concrete beam - Steel reinforcement, Thermo mechanical treatment, Flexural behaviour, Axial behaviour, Load deflection response
Barcode	:	TH7466
Call No.	:	TH 666.982.24 SAH-M
Title	:	Buffer-aided cooperative relaying schemes for RF and FSO systems
Researcher	:	Shukla, Ashish Kant
Department	:	Bharti School of Telecommunication Technology And Management, IITD
Year	:	2023
Supervisor	:	Bhatnagar, Manav (Prof.) - EE (Guide)
Physical description	:	xvi, 138 p.
Subject terms	:	Cooperative relaying, State transition matrix, Double differential modulation, Jamming attacks in FSO networks, Conventional cooperative networks
Barcode	:	TH7467
Call No.	:	TH 621.391:621.318.5 SHU-B
Title	:	Optimal design of air quality monitoring network expansion in an urban cluster
Researcher	:	Verghese, Sheelu
Department	:	Department of civil Engineering, IITD
Year	:	2023
Supervisor	:	Nema, Arvind Kumar (Prof) - CE (Guide)
Physical description	:	xxii, 140 p.
Subject terms	:	Air pollution, Design methods, Monitoring network, Standards, Adequacy assessment
Barcode	:	TH7468
Call No.	:	TH 502.3:613.15 VER-O
Title	:	Kernel and image of derivations of the polynomial algebra
Researcher	:	Gupta, Sakshi
Department	:	Department of Mathematics, IITD
Year	:	2023
Supervisor	:	Kour, Surjeet (Asst. Prof) - MA (Guide)
Physical description	:	xii, 79 p.
Subject terms	:	K-Derivations, Locally finite, Nilpotent derivations, Polynomial algebra, Cyclotomic derivation
Barcode	:	TH7469
Call No.	:	TH 512.62 GUP-K

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Title	:	Tax avoidance by multinational enterprises in developing countries: essays with India perspective
Researcher	:	Pandey, Kavita
Department	:	Department of Management Studies, IITD
Year	:	2023
Supervisor	:	Yadav, Surendra Singh (Prof.) - MS (Guide) Sharma, Seema (Prof.) - MS (Guide)
Physical description	:	xxxiv, 467 p.
Subject terms	:	Tribunal findings, Digital economy, Intermediary tax, Taxation rights, Tax shelter
Barcode	:	TH7470
Call No.	:	TH 336.228.3:334.726(540) PAN-T
Title	:	Assessing the impact of organic amendments on the structural and functional diversity of rhizospheric bacteria and soil health
Researcher	:	Shrivas, Vijay Laxmi
Department	:	Centre for Rural Development and Technology, IITD
Year	:	2023
Supervisor	:	P. Hariprasad (Assoc. Prof.) - CRDT (Guide) Sharma, Shilpi (Prof.) - BEB (Guide)
Physical description	:	xxiii, 222 p.
Subject terms	:	Modern agriculture, Agricultural management, Organic farming, Sustainable agriculture, Cropping systems
Barcode	:	TH7471
Call No.	:	TH 631.461 SHR-A
Title	:	Physics of liquid jets in electrohydrodynamic jet printing
Researcher	:	Singh, Abhishek Kumar
Department	:	Department of Mechanical engineering, IITD
Year	:	2023
Supervisor	:	Bahga, Supreet Singh (Assoc. Prof) - ME (Guide) Srivastava, Rajiv K. (Prof.) - TT (Guide)
Physical description	:	xvi, 166 p.
Subject terms	:	Dripping, Stretched electrified, Steady cone-jet, Magnitude analysis, Numerical scheme
Barcode	:	TH7472
Call No.	:	TH 621.313.53 SIN-P
Title	:	Study of select issues in ICT- enabled lean dairy supply chain
Researcher	:	Upendra Kumar
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2023
Supervisor	:	Ravi Shanker (Prof.) - MS (Guide)
Physical description	:	xxviii, 258 p.
Subject terms	:	Indian dairy industry, Cold storage facility, Refrigerated transportation system, Soft system methodology, Dairy products
Barcode	:	TH7473

Call No.	:	TH 637.1:658.5/.8 UPE-S
Title	:	Development of a comprehensive clinical decision support system for gait assessment in children with spastic cerebral palsy
Researcher	:	Bajpai, Rishabh
Department	:	Centre for Biomedical Engineering, IITD
Year	:	2023
Supervisor	:	Joshi, Deepak (Assoc. Prof) - CBME (Guide)
Physical description	:	xxix,183 p.
Subject terms	:	Gait assessment, Automation, Foot kinematics, Foot and heel clearance, Cerebral palsy
Barcode	:	TH7474
Call No.	:	TH 616.89-008.43 BAJ-D
Title	:	Processing methods for left-right ambiguity resolution in twinline towed array sonar
Researcher	:	Nair, Baiju M
Department	:	Centre for Applied Research in Electronics, IITD
Year	:	2023
Supervisor	:	Arun Kumar (Prof.) - CARE (Guide) Bahl, Rajendar (Prof.) - CARE (Guide)
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Subject terms	:	Sensors, Array signal, Adaptive beamformer, Sonar system, Signals noise
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Researcher	:	Rastogi, Abhishek
Department	:	Department of Materials Science and Engineering, IITD
Year	:	2023
Supervisor	:	Neelakantan, Suresh (Assoc. Prof.) - MSE (Guide)
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Subject terms	:	Phase transformation, Deformation mechanisms in ti, Microstructural state of alloy, Thermo mechanical processing, Optical microscopy
Barcode	:	TH7476
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Title	:	Wettability quantification in reservoir rocks using tracers
Researcher	:	Singh, Deepshikha
Department	:	Department of Chemical Engineering, IITD
Year	:	2023
Supervisor	:	Phirani, Jyoti (Assoc. Prof.) - CHE (Guide) Roy, Shantanu (Prof.) - CHE (Guide)
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Subject terms	:	Wettability characterization, Surface morphology, Porous reservoirs, Tracer concentrations measurement, Water wet system
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Title	:	Impact of urban-rural interface air pollution on ambient air quality: a case study in the district of saharanpur
Researcher	:	Tomar, Gaurav
Department	:	Centre for Rural Development and Technology, IITD
Year	:	2023
Supervisor	:	Vivek Kumar (Prof.) - CRDT (Guide)
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Researcher	:	Bandyopadhyay, Sumana
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Supervisor	:	Nandan, Bhanu (Prof.) - TFE (Guide)
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Title	:	Approximation algorithms for facility location problems
Researcher	:	Kaur, Dilpreet
Department	:	Department of Computer Science and Engineering, IITD
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Supervisor	:	Garg, Naveen (Prof.) -CSE (Guide)
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Title	:	Understanding plasticity in bulk metallic glass and its composites using the indentation technique
Researcher	:	Saini, Priyanka
Department	:	Department of Materials Science and Engineering, IITD
Year	:	2023
Supervisor	:	Ramasubramanian, Lakshmi Narayan (Asst. Prof.) - MSE (Guide)
Physical description	:	xv, 174 p.
Subject terms	:	Multi-component metallic alloys, Physical significance, Materials nomenclature, Pressure sensitivity, Plastic deformation
Barcode	:	TH7481
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Title	:	Design and modeling of plasmonic organic solar cells

Researcher	:	Das, Pankaj Kumar
Department	:	Department of Electrical Engineering, IITD
Year	:	2024
Supervisor	:	Dhawan, Anuj (Prof.) - EE (Guide)
Physical description	:	xxi,184 p.
Subject terms	:	Renewable energy, Organic solar cells, Plasmonics, Nanostructures, Photovoltaic
Barcode	:	TH7482
Call No.	:	TH 621.383.51 DAS-D
Title	:	Wafer-level vacuum packaging for MEMS technology
Researcher	:	Maharshi, Vikram
Department	:	Department of Electrical Engineering, IITD
Year	:	2023
Supervisor	:	Mitra, Bhaskar (Prof.) - EE (Guide) Agarwal, Ajay (Prof.) - EE, IIT Jodhpur (Guide)
Physical description	:	xxiv, 106 p.
Subject terms	:	Metal thermocompression, Hybrid bonding, Fabrication of the package, Mechanical bond, Film vaccum package
Barcode	:	TH7483
Call No.	:	TH 621.3.049.77 MAH-W
Title	:	Investigation of intrinsic amorphous silicon passivation layers for silicon heterojunction solar cells fabrication
Researcher	:	Pandey, Ashutosh
Department	:	Department of Energy Science and Engineering, IITD
Year	:	2024
Supervisor	:	Komarala, Vamsi Krishna (Prof.) - ESE (Guide)
Physical description	:	xix, 132
Subject terms	:	Renewable energy, Solar cells, Passivation, Microstructure factor, Plasma enhanced chemical vapour
Barcode	:	TH7484
Call No.	:	TH 621.383.51 PAN-I
Title	:	Multi-modal medical image analysis using deep learning-based techniques
Researcher	:	Ahuja, Sakshi
Department	:	Department of Electrical Engineering, IITD
Year	:	2024
Supervisor	:	Panigrahi, Bijaya Ketan (Prof.) - EE (Guide) Gandhi, Tapan Kumar (Prof.) - EE (Guide)
Physical description	:	xviii, 107 p.
Subject terms	:	Tumor classification, Infection segmentation, Data augmentation, Lungs segmentation, Infection localization
Barcode	:	TH7485
Call No.	:	TH 616-073:004.85 AHU-M
Title	:	Existence and multiplicity results for nonlocal elliptic equations and systems

Researcher	:	Anthal, Gurdev Chand
Department	:	Department of Mathematics, IITD
Year	:	2024
Supervisor	:	Sreenadh, Konijeti (Prof.) - MA (Guide) Giacomoni, Jacques (Prof.) - Avenue de 1'Universite France (Guide)
Physical description	:	xii, 252 p.
Subject terms	:	Finance mathematics, Biomathematics, Logistic problems, Choquard nonlinearity, Logarithmic singularity
Barcode	:	TH7486
Call No.	:	TH 517.956.2 ANT-E
Title	:	Integrated research framework of smart city using big data analytics: a study
Researcher	:	Pulkit
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2024
Supervisor	:	Ilavarasan, P. Vigneswara (Prof.) - MS (Guide)
Physical description	:	xix, 223 p.
Subject terms	:	Predictive modelling, Waste management, Policies for urban, Sustainability improvement, Industry 4.0
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Researcher	:	Rawat, Sushmita
Department	:	Department of Mathematics, IITD
Year	:	2024
Supervisor	:	Sreenadh, Konijeti (Prof.) - MA (Guide)
Physical description	:	ix, 174 p.
Subject terms	:	Calculus, Linear algebra, Differential equations, Geometry, Limiting equations
Barcode	:	TH7488
Call No.	:	TH 517.956.2 RAW-E
Title	:	Fractal dimensions of the graphs of functions and quantization dimensions of invariant measures
Researcher	:	Verma, Manuj
Department	:	Department of Mathematics, IITD
Year	:	2024
Supervisor	:	Priyadarshi, Amit (Assoc.Prof.) - MA (Guide)
Physical description	:	xiv, 186 p.
Subject terms	:	Vector valued, Fractal dimensions, Quantization dimension, Fractional integral, Fractal invariant measure
Barcode	:	TH7489
Call No.	:	TH 514 VER-F
Title	:	Tunable polyethylenimine based shape memory polymers for textile finishing
Researcher	:	Garg, Hema

Department	:	School of Interdisciplinary Research, IITD
Year	:	2023
Supervisor	:	Bipin Kumar (Assoc. Prof.) - TT (Guide) Tripathi, Bijay P. (Assoc. Prof.) - MSE (Guide) Das, Apurba (Prof.) - TT (Guide)
Physical description	:	xxiv, 173 p.
Subject terms	:	Washing fastness, Textile industry, Cotton fabric, Coating techniques, Fabric stiffness test
Barcode	:	TH7490
Call No.	:	TH 678.7:677 GAR-T
Title	:	Financial implications of corporate social responsibility: evidence from India
Researcher	:	Dahiya, Monika
Department	:	Department of Management Studies, IITD
Year	:	2024
Supervisor	:	Singh, Shveta (Prof.) - MS (Guide) Chaudhry, Neeru (Prof.) - MS (Guide)
Physical description	:	xv, 187p.
Subject terms	:	Financing costs, Corporate investments, Financial reporting quality, Cost of equity, Cost of debt
Barcode	:	TH7491
Call No.	:	TH 658:316.42 DAH-F
Title	:	Some studies on the time-variance of time-varying systems and the non-stationarity of the associated processes
Researcher	:	Dutta, Ayan Kumar
Department	:	Department of Electrical Engineering, IITD
Year	:	2024
Supervisor	:	Joshi, Shiv Dutt (Prof.)- EE (Guide) Lall, Brejesh (Prof.) - EE (Guide)
Physical description	:	xiv, 117 p.
Subject terms	:	Linear time varying system, Polyphase decomposition, Single channel, Multirate filter banks, ECG signal
Barcode	:	TH7492
Call No.	:	TH 621.391.81 DUT-S
Title	:	Impact of foreign direct investment on domestic economy: a study of BRICS
Researcher	:	Gupta, Surbhi
Department	:	Department of Management Studies, IITD
Year	:	2024
Supervisor	:	Yadav, Surendra S. (Prof.) - MS (Guide) Jain, P. K. (Prof.) - MS (Guide)
Physical description	:	xxi, 210 p.
Subject terms	:	Globalisation, Liberalisation, Economic growth, Foreign investment, Global financial
Barcode	:	TH7493
Call No.	:	TH 339.727.22 GUP-I
Title	:	Mechanical and tribological studies of epoxy-based composites for hip joint application
Researcher	:	Hirwani, Jaswant Kumar

Department	:	Department of Mechanical Engineering, IITD
Year	:	2024
Supervisor	:	Sinha, Sujeet Kumar (Prof.) - ME (Guide)
Physical description	:	xix, 152 p.
Subject terms	:	Prosthetic biotribometer, Polyethylene, Bovine serum albumin, Hyaluronic acid, SU-8-based
Barcode	:	TH7494
Call No.	:	TH 616.728.2:678.686 HIR-M
Title	:	Shape memory polymer and its nanocomposite for filament development through melt extrusion
Researcher	:	Mohanty, Jayashree
Department	:	School of Interdisciplinary Research, IITD
Year	:	2024
Supervisor	:	Bipin Kumar (Assoc. Prof.) - TT (Guide) Tripathi. Bijay P. (Assoc. Prof.) - MSE (Guide) Alagirusamy, R. (Prof.) - TT (Guide)
Physical description	:	xxxii, 213 p.
Subject terms	:	Smart textiles, Shape memory performance, Shape memory polyurethane, Shape memory filament, Polyurethane nanocomposite
Barcode	:	TH7495
Call No.	:	TH 678.7:620.3 MOH-S
Title	:	Revisiting the chloride diffusion coefficient measurement for cement paste and mortar and a proposed new methodology
Researcher	:	Padamanabhan, Vandana C
Department	:	Department of Civil Engineering, IITD
Year	:	2024
Supervisor	:	Bhattacharjee, Bishwajit (Emer. Prof.) - CE (Guide)
Physical description	:	ix, 141 p.
Subject terms	:	Chloride diffusion coefficient, Reinforcement steel, Hydraulic diffusivity, Ionic mobility, Casting and curing
Barcode	:	TH7496
Call No.	:	TH 666.971.4 PAD-R
Title	:	Bone morphogenetic protein 2 (BMP2): from cloning to purification, characterization, stability and interaction studies with its receptor
Researcher	:	Patwa, Nitika
Department	:	Department of Chemistry, IITD
Year	:	2024
Supervisor	:	Shashank Deep (Prof.) - CHY (Guide)
Physical description	:	187 p.
Subject terms	:	Chemical enzymes, Bacterial strains, Cell cultures, Molecular biology, Spectroscopic techniques
Barcode	:	TH7497
Call No.	:	TH 577.112 PAT-B
Title	:	Eco-friendly approach to control Callosobruchusmaculatus F. in pulse storage for food safety
Researcher	:	Sharma, Umesh Chandra

Department	:	Centre for Rural Development and Technology, IITD
Year	:	2024
Supervisor	:	P. Hariprasad (Assoc. Prof.) - CRDT (Guide) Satya, Santosh (Honorary Prof.) - CRDT (Guide)
Physical description	:	xxii, 161 p.
Subject terms	:	Food storage system, Pulse production status, Storage structures, Storage stability, Design of metallic storage bin
Barcode	:	TH7498
Call No.	:	TH 664.84:635.65 SHA-E
Title	:	Exploring the relationship between corporate governance monitoring mechanisms and select corporate finance decisions: empirical evidence from India
Researcher	:	Suman, Samridhi
Department	:	Department of Managements Studies, IITD
Year	:	2024
Supervisor	:	Singh, Shveta (Prof.) - MS (Guide)
Physical description	:	xxvii, 466 p.
Subject terms	:	Corporate investment, Monitoring mechanisms, Financial condition, Econometric framework, Variable measurement
Barcode	:	TH7499
Call No.	:	TH 658.1(540) SUM-E
Title	:	Liquid crystals with inclusions ferronematics and living liquid crystals
Researcher	:	Aditya
Department	:	Department of Physics, IITD
Year	:	2024
Supervisor	:	Puri, Sanjay (Prof.) - SPS, JNU (Guide) Banerjee, Varsha (Prof.) - PH (Guide)
Physical description	:	xxv, 149 p.
Subject terms	:	Nematic liquid crystals, Ginzbug-Landau equations, Dynamical equations, Morphology, Microfluidic wells
Barcode	:	TH7500
Call No.	:	TH 544.25 ADI-L
Title	:	Person identificiation through footstep-based biometric recognition
Researcher	:	Anchal, Sahil
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2024
Supervisor	:	Kar, Subrat (Prof.) - EE Guide
Physical description	:	xix, 158 p.
Subject terms	:	Footfalls signals, Signal acquisition, Seismic sensor, Biometric modality, Signal preprocessing
Barcode	:	TH7501
Call No.	:	TH 57.087.1 ANC-P
Title	:	Topics in numerical semigroups
Researcher	:	Armoa, Edgar Federico Elizeche
Department	:	Department of Mathematics, IITD

Year	:	2024
Supervisor	:	Tripathi, Amitabha (Prof.) - MA Guide
Physical description	:	xvi, 72 p.
Subject terms	:	Frobenius number, Pythagorean triplets, Arithmetic progressions, Mathematics, Compound sequences
Barcode	:	TH7502
Call No.	:	TH 512.53 ARM-T
Title	:	Finite element methods for liner quadratic optimal control problems governed by elliptic operators
Researcher	:	Divay
Department	:	Department of Mathematics, IITD
Year	:	2024
Supervisor	:	Porwal, Kamana (Assoc. Prof.) - MA (Guide)
Physical description	:	xvi, 252 p.
Subject terms	:	Distributed control problem, Dirichlet boundary control problem, Elliptic optimal control problem, Discrete control problem, Posteriori error analysis
Barcode	:	TH7503
Call No.	:	TH 517.962 DIV-F
Title	:	Locomotion of flexible slender bodies in fluid media
Researcher	:	Garg, Mohit
Department	:	Department of Applied Mechanics, IITD
Year	:	2024
Supervisor	:	Ajeet Kumar (Prof.) - AM Guide
Physical description	:	122 p.
Subject terms	:	Fluid structure interaction, Fluid mechanics, Rocking motion, Turbine blades, Automotive aerodynamics
Barcode	:	TH7504
Call No.	:	TH 532.5 GAR-M
Title	:	Design and development of light electric vehicle chargers
Researcher	:	Gupta, Jitendra
Department	:	Department of Electrical Engineering, IITD
Year	:	2024
Supervisor	:	Singh, Bhim (Prof.) - EE Guide
Physical description	:	li, 376 p.
Subject terms	:	Vehicle to grid, Charging system, Charger topology, LEV charger, Vehicle to home
Barcode	:	TH7505
Call No.	:	TH 629.064.5 GUP-D
Title	:	Understanding the role of soil microbiota in disease supression under different farming practices
Researcher	:	Khatri, Shivani
Department	:	Department of Biochemical Engineering and Biotechnology, IITD
Year	:	2024

Supervisor	:	Sharma, Shilpi (Prof.) - BEB Guide
Physical description	:	xxiv, 276 p.
Subject terms	:	Soil biodiversity, Organic agriculture, Soil borne disease, Organic farming, Sustainable agriculture
Barcode	:	TH7506
Call No.	:	TH 631.461 KHA-U
Title	:	High-throughput computational model for prediction and mitigation of bio-therapeutic protein aggregation
Researcher	:	Mishra, Rit Pratik
Department	:	Department of Chemical Engineering, IITD
Year	:	2023
Supervisor	:	Goel, Gaurav (Prof.) - CHE (Guide)
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Title	:	Control of microgrids employing wind driven switched reluctance generator and photovoltaic array with seamless synchronization
Researcher	:	Narayanan, Vivek
Department	:	Department of Electrical Engineering, IITD
Year	:	2024
Supervisor	:	Singh, Bhim (Prof.) - EE (Guide)
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Researcher	:	Salim, Shahrukh
Department	:	Department of Physics, IITD
Year	:	2024
Supervisor	:	Marathe, Rahul (Prof.) - PH (Guide) Ghosh, Sankalpa (Prof.) - PH (Guide)
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Researcher	:	Sharma, Shivani
Department	:	Department of Physics, IITD
Year	:	2024

Supervisor	:	Ghosh, Joyee (Assoc. Prof.) - PH Guide Venkataraman, Vivek (Asst. Prof.) - EE Guide
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Researcher	:	Singh, Sanjay
Department	:	Department of Chemistry, IITD
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Researcher	:	Anisha
Department	:	Department of Mathematics, IITD
Year	:	2024
Supervisor	:	Dharmaraja, S. (Prof.) - MA Guide
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Barcode	:	TH7512
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Researcher	:	Raina, Deepak
Department	:	Department of Mechanical Engineering, IITD
Year	:	2024
Supervisor	:	Saha, Subir Kumar (Prof.) - ME Guide
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Barcode	:	TH7513
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Title	:	Musculoskeletal modelling of human lower limb
Researcher	:	Sikidar, Arnab
Department	:	Centre for Biomedical Engineering, IITD
Year	:	2023
Supervisor	:	Kalyanasundaram, Dinesh (Assoc. Prof) - CBME (Guide)

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Title	:	Multiobjective optimization of energy and routing problems
Researcher	:	Agrawal, Anubha
Department	:	Department of Chemical Engineering, IITD
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Supervisor	:	Ramteke, Manojkumar C. (Prof.) - CHE (Guide)
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Researcher	:	Ashish Kumar
Department	:	Kusuma School of Biological Sciences, IITD
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Supervisor	:	Perumal, Vivekanandan (Prof.) - SBS (Guide)
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Barcode	:	TH7516
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Title	:	Field performance of flexible pavement constructed with copper and steel industry wastes in subbase layer
Researcher	:	Bakare, Mayuresh Dhanraj
Department	:	Department of Civil Engineering, IITD
Year	:	2024
Supervisor	:	Shahu, J.T. (Prof.) - CE (Guide) Patel, Satyajit (Assoc. Prof.) - SVNIT, Surat (Guide)
Physical description	:	xxix, 229 p.
Subject terms	:	Copper slag, Light weight deflectometer, Subgrade stabilization, Heavy metal contamination - Detection, Modified proctor test
Barcode	:	TH7517
Call No.	:	TH 628.54:625.8 BAK-F
Title	:	Leveraging machine learning for enhanced performance of optical and wireless communication systems
Researcher	:	Gautam, Naveenta
Department	:	Bharti School of Telecommunication Technology and Management, IITD
Year	:	2024
Supervisor	:	Lall, Brejesh (Prof.) - EE (Guide) Choudhary, Amol (Assoc. Prof.) - EE (Guide)

Physical description	:	xxii, 220 p.
Subject terms	:	Telecommunication systems, Wired and wireless networks, IoT devices, 5G network slicing, Deep reinforcement learning
Barcode	:	TH7518
Call No.	:	TH 621.39:004.85 GAU-L
Title	:	Shear behaviour of frictionally anisotropic geotechnical interfaces: snakeskin-inspired patterns
Researcher	:	Latha, Gayathri Venu
Department	:	Department of Civil Engineering, IITD
Year	:	2024
Supervisor	:	Vangla, Prashanth (Asst. Prof.) - CE (Guide)
Physical description	:	xxx, 213 p.
Subject terms	:	Soil continuum interfaces, Particle morphology, Bio-inspired geotechnics, Frictional anisotropy, Fused filament fabrication
Barcode	:	TH7519
Call No.	:	TH 624.13 LAT-S
Title	:	Bipyridine based porous coordination polymers for environmental remediation
Researcher	:	Goyal, Shivani
Department	:	Department of Materials Science and Engineering, IITD
Year	:	2024
Supervisor	:	Jacob, Josemon (Prof.) - MSE (Guide)
Physical description	:	xxxvi, 204 p.
Subject terms	:	Dye degradation, Bimetallic PCPs, Chelating polymers, Metal ion removal, Homogeneous catalyst
Barcode	:	TH7520
Call No.	:	TH 678.8:504.1 GOY-B

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