

List of Books published

1. **P P Sahu** and P Deb Contemporary Optics and Optoelectronics
McGraw Hills, India, ISBN-10:0-07-024888-5
2. **P P Sahu** VLSI design , McGraw Hills, India,
ISBN-13:978-1-25-902984-4
3. B C. Chatterjee, N Sarma, **P P Sahu** and E Oki , Routing and Wavelength Assignment for Optical Networks: Quality-of-Service and Fault Resiliency,
Springer –Nature, ISBN 978-3-319-46202-8
4. A Dutta, B Deka and **P P Sahu** Planar Waveguide Optical sensors
Springer –Nature, ISBN 978-3-319-35139-1
5. **P P Sahu**, Advance in Optical Networks and components, CRC press ISBN-13:978-0367265656
6. **P P Sahu** Fundamentals of Optical Networks components, CRC press. ISBN-13: 978-0367265458
7. P Misra and **P P Sahu** Some Biosensing approaches in food analysis, CRC press: ISBN: **978-1-91024-278-0**

List of book chapters

1. Amit Baran Das, Tapasya Kumari, Partha Pratim Sahu, Calorimetric biosensors: core principles, techniques, fabrication and application, Biosensors in Food Safety and Quality, pp11-21, CRC press
2. S Maity, PP Sahu, Electrochemical Sensors: Core Principle, New Fabrication Trends, and Their Applications, Biosensors in Food Safety and Quality, pp47-61, CRC press.
3. PP Sahu, S Maity, Optical Biosensors: Principles, Techniques, Sensor Design and Their Application in Food Analysis, Biosensors in Food Safety and Quality, pp47-61, 2022 CRC press.
4. M Senapati, S Singhal, AK Gupta, D Sonowal, P Mishra, PP Sahu, Bio/Chemical Sensors and Microsensors Involved in Meat Industry, Biosensors in Food Safety and Quality, 159-175, 2022, CRC press.
5. PP Sahu, High-k Material Processing in CMOS VLSI Technology, High-K Gate Dielectric Materials, 115-181, Apple Academic Press, 2020.
6. PP Sahu, Data Communication Networks Having No Optical Transmission, Routledge Handbooks Online , 2020.
7. Bijoy Chand Chatterjee, Nityananda Sarma, Partha Pratim Sahu, Eiji Oki, Introduction to optical network, Routing and Wavelength Assignment for WDM-based Optical Networks: Quality-of-Service and Fault Resilience, 1-16 Springer-Nature, 2017.
8. Bijoy Chand Chatterjee, Nityananda Sarma, Partha Pratim Sahu, Eiji Oki, A Reliable Fault Resilience Scheme, Routing and Wavelength Assignment for WDM-based Optical Networks: Quality-of-Service and Fault Resilience, 85-100, Springer-Nature, 2017.
9. Bijoy Chand Chatterjee, Nityananda Sarma, Partha Pratim Sahu, Eiji Oki, Priority-Based Routing and Wavelength Assignment Scheme, Routing and Wavelength Assignment for WDM-based Optical Networks: Quality-of-Service and Fault Resilience, 85-100, Springer-Nature, 2017.
10. Bijoy Chand Chatterjee, Nityananda Sarma, Partha Pratim Sahu, Eiji Oki, Limitations of Conventional WDM Optical Networks and Elastic Optical Networks for Possible Solutions, Routing and Wavelength Assignment for WDM-based Optical Networks: Quality-of-Service and Fault Resilience, 85-100, Springer-Nature, 2017.
11. Bijoy Chand Chatterjee, Nityananda Sarma, Partha Pratim Sahu, Eiji Oki, Performance Analysis of Major Conventional Routing and Wavelength Assignment Approaches, Routing and Wavelength Assignment for WDM-based Optical Networks: Quality-of-Service and Fault Resilience, 85-100, Springer-Nature, 2017.
12. Bijoy Chand Chatterjee, Nityananda Sarma, Partha Pratim Sahu, Eiji Oki, End-to-End Traffic Grooming, Routing and Wavelength Assignment for WDM-based Optical Networks: Quality-of-Service and Fault Resilience, 85-100, Springer-Nature, 2017.
13. A Dutta, B Deka, P Pratim Sahu, A Dutta, Theoretical Modeling, Design, and Development of Integrated Planar Waveguide Optical Sensor, Planar Waveguide Optical Sensors: From Theory to Applications, 87-135, Springer-Nature, 2016
14. A Dutta, B Deka, P P Sahu, Waveguide Sensor for Detecting Adulteration in Petroleum-Based Products, Planar Waveguide Optical Sensors: From Theory to Applications, 137-149, Springer-Nature, 2016.

15. A Dutta, B Deka, P P Sahu, Introduction to Planar Waveguide Optical Sensor , Planar Waveguide Optical Sensors: From Theory to Applications, 1-8, Springer-Nature, 2016.
16. A Dutta, B Deka, P P Sahu, Brief review on integrated planar waveguide-based optical sensor, Planar Waveguide Optical Sensors: From Theory to Applications, 9-69, Springer-Nature, 2016.
17. A Dutta, B Deka, P P Sahu, Optical waveguide sensor as detection element for lab on a chip sensing application, Planar Waveguide Optical Sensors: From Theory to Applications, 151-171, Springer-Nature, 2016.