

**References:** Biomolecular Sensing Technologies Written Qualifying Exam 2024

**1. Text books or chapter of books on biosensors and biosensing molecules**

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1-2 Recognition Receptors in Biosensors

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**2. Journal research review articles introducing representative and recent biosensing technologies**

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2-2 Continuous glucose monitoring systems - Current status and future perspectives of the flagship technologies in biosensor research –

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2-3 Current and future prospective of biosensing molecules for point-of-care sensors for diabetes biomarker

<https://www.sciencedirect.com/science/article/abs/pii/S0925400521014829?via%3Dihub>

2-4 Electrochemical Glucose Sensors and Their Applications in Diabetes Management

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2-5 Electrochemical biosensors: recommended definitions and classification

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2-8 Cellular Biosensors with Engineered Genetic Circuits

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2-9 Aptamer-based biosensors for biomedical diagnostics

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2-13 Field-Effect Transistor Biosensors for Biomedical Applications: Recent Advances and Future Prospects

<https://doi.org/10.3390/s19194214>

2-14 Fluorescence based fiber optic and planar waveguide biosensors. A review

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2-15 Recent Developments of Electrochemical and Optical Biosensors for Antibody Detection

<https://dx.doi.org/10.3390%2Fijms21010134>

2-16 Direct electron transfer (DET) mechanism of FAD dependent dehydrogenase

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