

Table S1

S.No	Name of the Data Sources	Search String
1	IEEE	(COVID) OR (SARS CoV) AND (AEROSOL) OR (DROPLET) AND (DETECTION) NOT (DIAGNOSIS) NOT (DIAGNOSTICS) AND (BIOSENSOR) OR (BIOSENSOR SYSTEMS)
2	MDPI	(COVID) OR (SARS CoV) AND (AEROSOL) OR (DROPLET) AND (DETECTION) AND (BIOSENSOR) OR (BIOSENSOR SYSTEMS)
3	SCOPUS	COVID OR SARS AND COV AND AEROSOLS AND DETECTION AND NOT DIAGNOSIS AND BIOSENSOR AND SYSTEMS
4	WEB OF SCIENCE	(COVID OR SARS CoV AND AEROSOLS OR DROPLET AND DETECTION NOT DIAGNOSIS OR DIAGNOSTICS AND BIOSENSOR OR BIOSENSOR SYSTEMS)

Table S2

S.No	Research Question	Motivation
1	What is the role of the biosensor system in detecting COVID-19 aerosols?	The main motivations for writing this question are to identify COVID-19 outbreaks, determine where considerable data research may be discovered, and find appropriate targets for future study.
2	How are biosensor systems used for risk assessment and prevention of COVID-19?	The aim is to examine the available data channels and determine the patterns in publishing data over time
3	What are the most used and popular mobile applications during pandemic?	The reason for writing this question is to identify what large-scale data efforts are being utilised to encourage the extension, validation, and cooperation of work in the global pandemic battle.

Table 3

S.No	Inclusion Criteria	Exclusion Criteria
1	features of the COVID-19 mobile app	Duplicate papers

	should be described	
2	the study should show evidence of the implementation of the COVID-19 mobile app in real-life and provide quantitative outcomes,	Literature works that need to give a clear idea of the research objective.
3	the paper describing the study must have been written in English.	Papers that were published before 2020.
4	Studies were subjected to peer review.	Case reports, letters to editors, pre-print papers, reviews, simulation studies,
5	All published research papers that can answer the research questions	studies describing protocols, were excluded from the review.