**Figure. 1: PRISMA flowchart describing the inclusion process of articles.**

**Identification of studies via databases and registers**

Records removed *before screening*

(n= 64)

Duplicate records removed

Records identified

(n= 127)

Web of science n=52

Scopus n=34

Pubmed n= 22

EMBASE n= 19

**Identification**

Records screened

(n = 63)

Records excluded

(n = 24)

**Screening**

Reports excluded:

33 Articles excluded as parameters other than contact angle, surface roughness and biocompatibility are assessed.

Reports assessed for eligibility

(n = 39)

Studies included in review

(n = 6)

**Included**