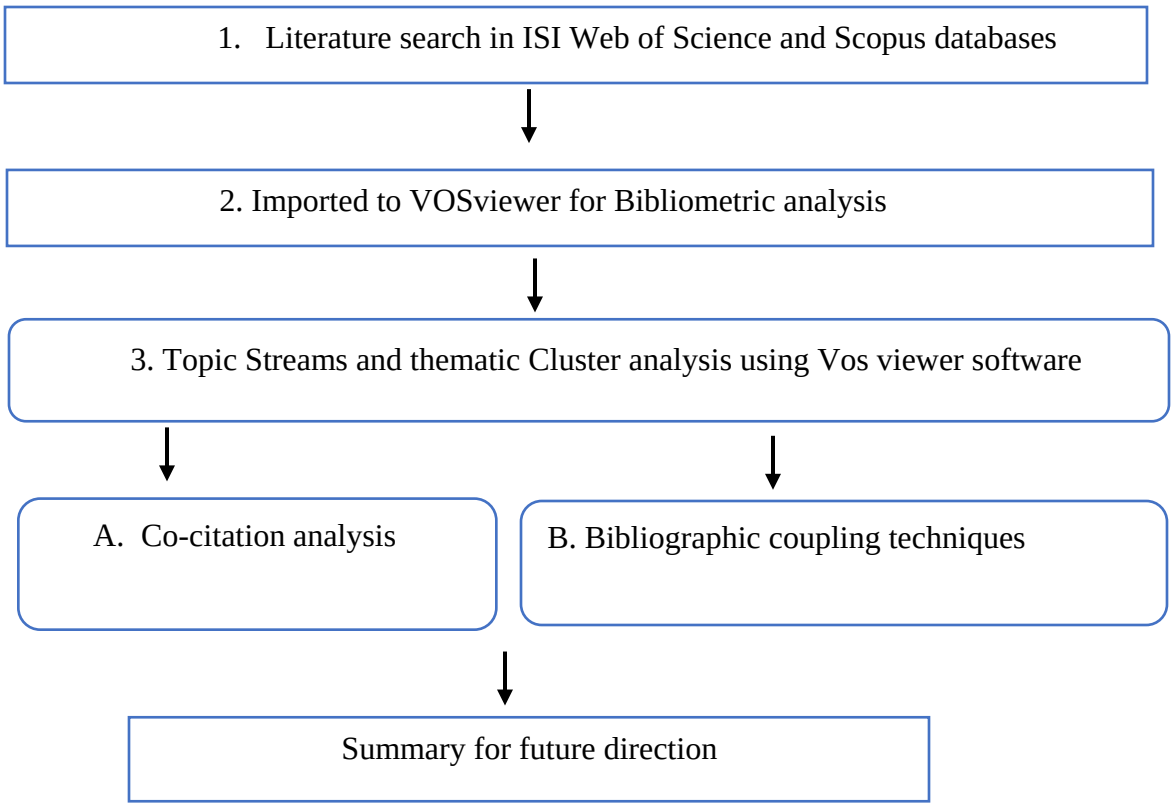
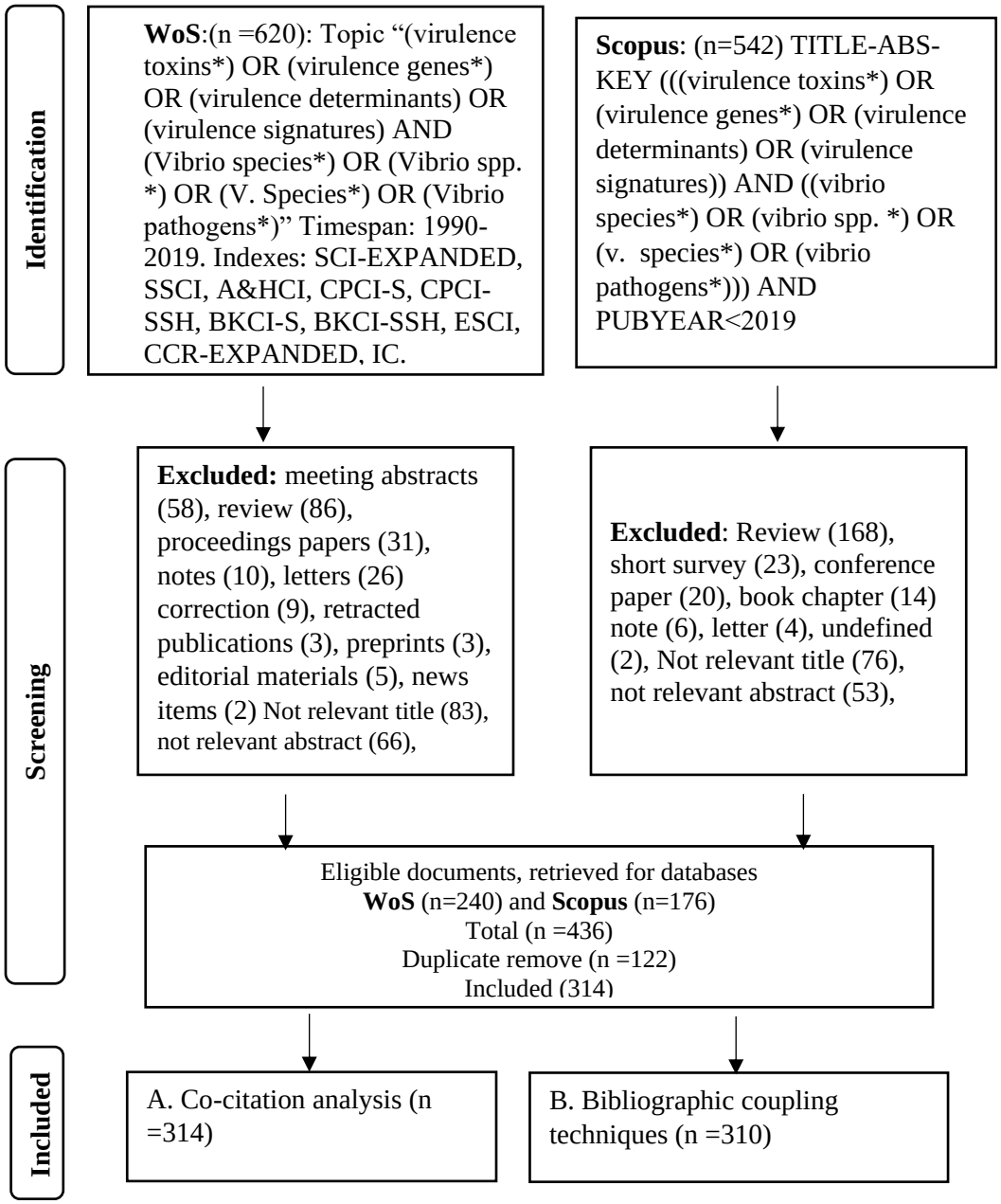
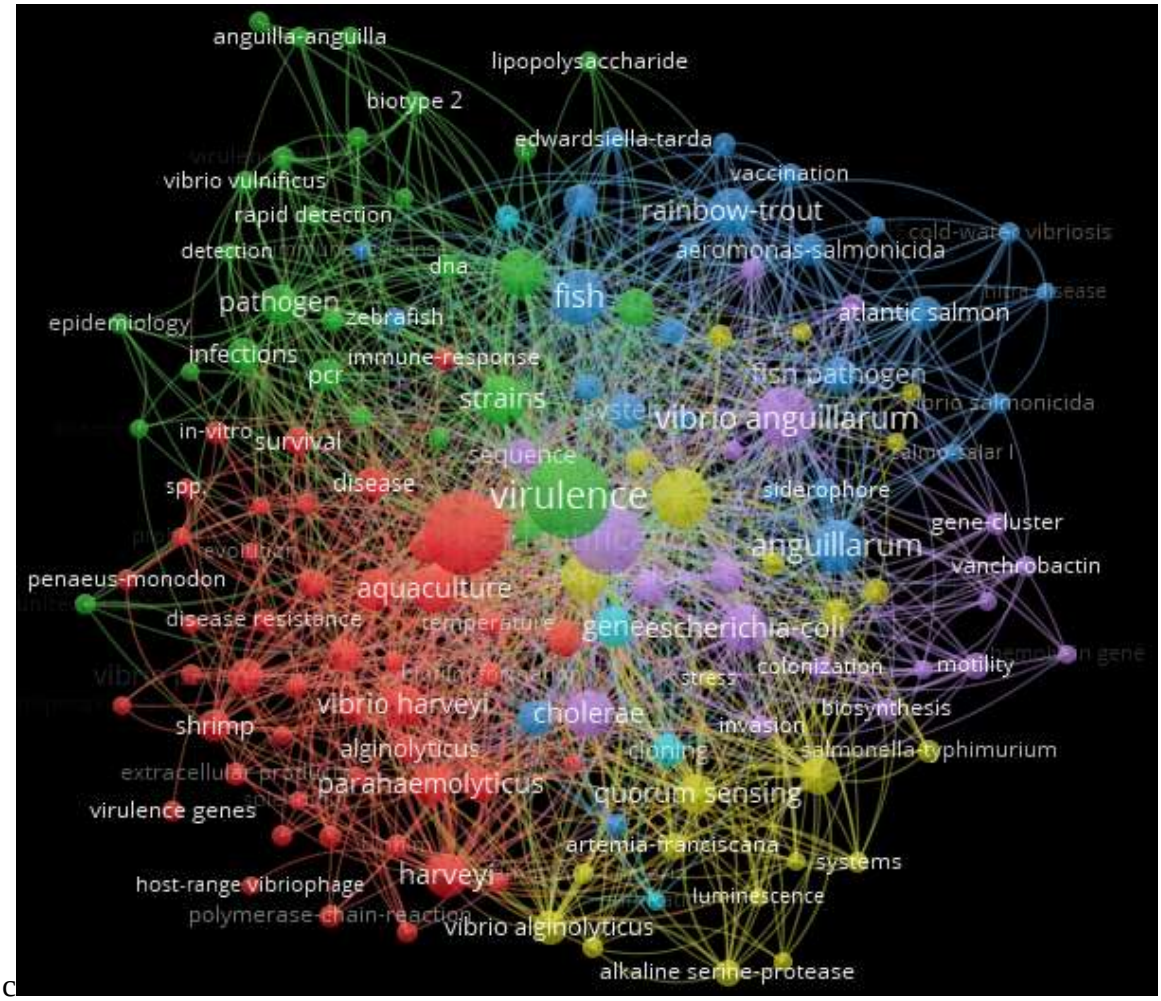


Supplementary Figure 1. Structural Research Method design.

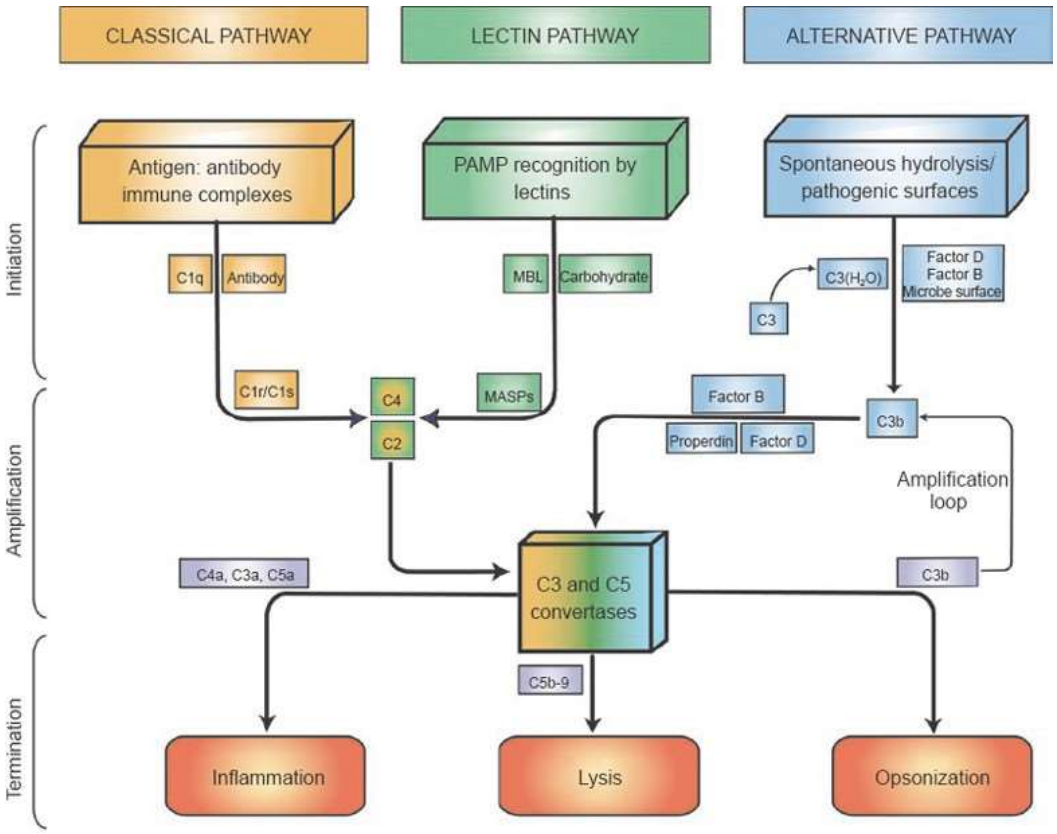


Supplementary Figure 2. PRISMA method for finding, reviewing, and synthesizing papers on V-TG.



Supplementary Figure 3. visualization of keywords cluster.

Source: VOSviewer co-occurrence analysis technique.



(Dunkelberger and Song, 2010).

Supplementary Figure 4. The link between the classical, lectin, and alternative complement system.

Supplementary Table 1. The distribution of virulence factors linked to pathogenic *Vibrio* infection.

Source: Author's own compilation on the distribution of virulence factors linked to pathogenic *Vibrio* infection.

Species	Toxins factors	In vitro activity	Target system	References
	Cell associated			
V. cholerae , *V. vulnificus*	Flagellum	Adherence to monolayers	GI tract	[38, 48]
V. cholerae, *V. parahaemolyticus*	Adhesins	Adherence	GI tract	[5, 9, 49]
V. vulnificus	Serum resistance	Increased growth	Blood	[24, 49]
V. vulnificus	Polysaccharides, acidic	Antiphagocytic, anticomplementary	Blood	[48]
V. cholerae 01, *V. cholerae non-01*,	Extracellular	FA	GI tract	[50]
V. minicus	Enterotoxin CT			
V. cholerae non-01, *V. minicus*, *V. fluvialis*, *V. hollisae*	Entertoxin LT or ST	FA	GI tract	[51]
V. vulnificus, *V. flutract vialis*, *V. damsela*,	Cytolysin LT	Cell lysis, FA, tissue destruction	Wounds, GI	[52]
V. cholerae non-01 *V. fluvialis*	Cytotoxin LT	Cell death	GI tract	[53]

V. cholerae 01, *V. cholerae non-01*, *V. parahaemolyticus* [51]	Cytotoxin Shiga	Cell death	GI tract
V. parahaemolyticus, *V. hollisae* [54]	Hemolysin TDH	Vascular permeability, cell lysis, FA	GI tract
V. alginolyticus [55]	Proteases Collagenase	Tissue Destruction	Wounds,
V. vulnificus			Cutaneous tissues
V. vulnificus [56]	Protease plasma kallikrein-kininactivator	Vascular permeability,	Cutaneous lesions
V. vulnificus [57]	Siderophore	Increased growth, iron Acquisition	Blood
V. cholerae 01, *V. cholerae non-O1*, *V. mimicus*, *V. fluvialis*, *V. parahaemolyticus* [58]	*Mucinase*	Glycoprotein degradation (mucin)	GI tract

CT, cholera toxin; FA, fluid accumulations; GI, gastrointestinal; LT, labile toxin; ST, heat-stable toxin; RBC, erythrocytes; TDH, thermostable