

# Chapter Four

## Notation & Acronym

Table—4.1: Notations used to represent the parameters

Parameter	Notation Used	Parameter	Notation Used
Alien clustered keyword	N	Monofrequent keyword	I
Allied clustered keyword	A	Multifrequent keyword	U
Associativeness to the subject-content	ASC	New keyword	J
Assumed age of the subject	L	No. of ephemeral keywords	Z(E)
Category	CAT	No. of Journal articles	Z(JA)
Category "Action"	G	No. of keywords belonging to a particular class	Z(Class)
Category "Entity"	X	Non-ephemeral keyword	F
Category "Material"	M	Obsolescence Index	B
Category "Method"	H	Obsolete keyword	O
Category "Property"	P	Potency index	p(i)
Category "Theory"	T	Rank by integrated visibility index	r(v(i))
Chronological appearance	CAP	Rank by keyword cluster weightage	r(w)
		Rank by momentary visibility index	r(m(i))
Clustered keyword	K	Rank by potency index	r(p(i))
Core clustered keyword	C	Rank by stability index	r(s(i))
Difrequent keyword	D	Single keyword	S
Ephemeral index	R	Spatial index	V
Ephemeral keyword	E	Stability index	s(i)
Frequency of occurrence	FOC	Stable keyword	Y
Informative index	Q	Total frequency of occurrence of keywords	Z(FREQ)
Integrated visibility index	v(i)	Total no. of keywords from all classes	Z(ALL)
Keyword cluster constant	KCC	Occurrence-frequency of keywords	Z(OF)
Keyword cluster locus indicator	KCLI	Twin keyword	W
Keyword cluster weightage	w		
Momentary visibility index	m(i)		

The above-mentioned 47 parameters are used in order to carry out the analysis for developing the model. The notations are shown in the right-sided columns and the parameters are shown in the left-sided columns. The names of the parameters are arranged alphabetically. The upper case alphabets are mostly used, though in few cases lower case alphabets are also used. The acronyms ASC, CAP, FOC & CAT stand for the four properties of the keyword clusters. The acronyms 'KCC' & 'KCLI' stand for 'Keyword cluster constant' & 'Keyword cluster locus indicator' respectively. The four indices of the keyword clusters are represented by four lower case letters with 'i' as argument and the corresponding ranking by each index is represented by the notation of the said index but prefixed with an 'r'. The notation 'Z' represents a number, the particular number to be represented contained by it as argument.