SCIENTIFIC WRITING IN ENGLISH

Main issues	Comments					
Function words	Function words serve to clarify relations between content words (nouns and verbs describing the subject of your research, theory, data, methodology and findings. Function words are prepositions, articles, auxiliary verbs, pronouns. Structure words are the glue that holds sentences, or parts of the sentence, together. Although structure words have meaning, they carry minimal content within the larger scope of the article. Because you want your reader to focus on the content of your article, you want the shortest structure words possible.					
Fuzzy & smothered verbs	Fuzzy words say that something happened but not what. Fuzzy verbs (conduct, have, analyse, etc.) are energy thieves. In English grammar, the term "smothered verb" refers to a verb whose strength has disappeared into a black hole of nominalisations (assessment, development, indication, etc.)					
Hedging	hedging represents professional modesty or ca	autiousness. Others defend hedging in ter	harges of uttering false information. For some cultures ms of professional purism. However, every theory as to limit himself or herself to what is true for that			
I/We	The first person pronoun plays a key role in the construction of the writer's persona in research articles. First person pronouns are a powerful tool that you can use to sound confident to show that you take the responsibility for the research.					
	High Modality	Medium modality	Low modality			
	will / must / shall / ought to / have to	should / can / need to	may / would / might / could			
Modality	Surely / certainly / be necessary that / always I believe / trust / think To my knowledge / At the very least	probably / be likely / be unlikely suggest / It appears / looks / suggests It appears likely / It is believed / roughly / generally / occasionally	maybe / be possible / I assume / suppose It seems reasonable to assume / There is a possibility / As far as I know To the best of my knowledge			
	A moderate 'low modality' statement of opinion allows for a more tentative conclusion. It also presents a reasoned and objective argument because it allows for the possibility of evidence contrary to your own claims. In comparison, a 'high modality' opinion can appeal to the emotions and so can be perceived as persuasive and subjective.					
Modifiers	Adjectives modify nouns, and adverbs modify everything else (including adjectives). However, good words do not need modifying. Strong clear nouns and verbs give writing power. Eliminating unnecessary adjectives and adverbs will make your writing stronger and tighter.					
Negation	Words with "negative connotation" (rather than negative words, i.e. not, never, no, etc.) are useful because 1) they are often more polite than negatives of a more obvious kind; 2) they allow variety in the way that negative meaning is expressed. Kill "not" is a rule of thumb. Avoid negative sentences because affirmative sentences are usually clearer than negative sentences.					
Voice	Of all the strategies for creating strong, readable academic writing, every writer should place pruning and active voice at the top. Active voice is clear, concise and direct. It is also visual and evocative.					
Who, which or that?	The use of "which" and "that" differs in the UK and the US. Although both traditions agree on the absence of a comma for essential clauses, the US English only uses "that", whereas UK English tends to use "that" and "which" interchangeably. Therefore, because the US style will work for both US and UK English, your best strategy is to follow the US style of using "which" for nonessential clauses and "that" for essential clauses.					
Wordiness & redundancies	first language) that the more one crams into a sentence	, the more intellectual one is. ct of success or maybe survival. When your	ndancy, poor editing, or a learned behavior (from the writer's areas are buried in words, cluttered sentences, and ndensing your paper.			

Fuzzy verb	Strong verb	Smothered verbs		Action verb
affect	accelerate	make a suggestion		suggest
analyze	accomplish	make an improvement	→	
conduct	become	make an improvement	+	improve
discuss	compare	encourage		develop
evaluate	create		→	ucvelop
explore	decrease	development make a	→	present
facilitate implement	detect develop	presentation conduct	→	investigate
occur	diagnose	an investigation come		
perform	establish		→	agree
plan	examine	to an agreement	→	experiment
	execute	conduct an experiment	→	
	gather	have a tendency give consideration	×.	tend
	generate		→	consider
	improve		→	
	increase		+	state
	investigate	make a statement		20000
	modify			assess
	react			
	research			

Language used in hedging:

certain verbs	seem, tend, look like, appear to be, think, believe, doubt, be sure, indicate, suggest, assume, suppose, try	
certain modal verbs and modal expressions	can, would, may, might, could, maybe, must	
adverbs of frequency	often, sometimes, usually, occasionally	
adverbs	certainly, definitely, clearly, probably, possibly, perhaps, conceivably, hardly, apparently, partially, partly, nearly, fairly, hopefully, likely, mainly, almost, mostly, presumably, guite clearly, guite, rather, supposedly, somewhat	
prepositions	about, around, near	
vague phrases	in general, kind of, sort of, more or less, pretty (strong/ weak), and so forth, etc.,	
nouns	assumption, possibility, probability	
impersonal constructions	It could be the case that / It might be suggested that / There is every hope that	
adjective + to-infinitive	It may be possible to obtain / It is important to develop / It is useful to study	