



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2014_ACSj_11106
Title of the Manuscript:	Analytical data on acetone fractional precipitates of Acacia polyacantha gum
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	In 1. Introduction 2nd paragraph mentions of electrophoresis is made and no electrophoresis. A potential reference is Motlagh, S. et. al. The analysis of Acacia gums using electrophoresis, <i>Food Hydrocolloids</i>, Volume 20, issue 6 (August, 2006), p. 848-854. Consider introducing the acetone fractionation method in more detail and why it is important in acacia gum studies. In 2.1.1 the first paragraph is unclear as to how the acetone fractionation is being performed – rewrite it. In 2.1.2 – it is Kjeldahl method or Kjeldahl digestion – check spelling In 2.1.7 the last paragraph on p2 states: "Recently, it has been confirmed that protein rich ... (Karamallah 1965)." This is almost 50 years ago and is difficult to consider as recent. The authors should consider in their discussion how their acetone fractionation compares with electrophoretic results in Motlagh 2006 – a more recent article, where <i>Acacia polyacantha</i> (harvested in 1999 from	Introduction: electrophoresis, has been done ,page 2 , second paragraph. Introducing the acetone fractionation method, has been done ,page 2 , second paragraph. The method has been written clearly. It has been done,[it is Kjeldahl method] and the flasks are Kjeldahl flasks. page 3 , second paragraph. Recently(Karamallah 1965). It has been done, page 7 , second paragraph2. It has been done, compares of acetone fractionation with electrophoretic results in Motlagh 2006, page 7 , second paragraph1.



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	Damazene, South Sudan) was successfully separated showing upwards of 15 different bands indicating a wide range of molecular weight distribution of compounds. The electrophoretic results show that Acacia gums are extremely heterogeneous water soluble polymer mixes, and that <i>A. polyacantha</i> shares several similar bands with other Acacia gum species and sub species.	
Minor REVISION comments		
<u>Optional/General</u> comments	This paper needs a lot of copy editing.	It has been done.