



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_20567
Title of the Manuscript:	On eccentric adjacency index of several infinite classes of fullerenes
Type of the Article	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The formulas from Section 2 are not sufficient for publication (in some cases reusing the existing vertex eccentricity classification from [11, 14] or stating the vertex eccentricities without any mathematical proof).	Thank you very much for the comment. As you can see, in the mentioned references, the eccentricities obtained by computers. The following text existed in the first submitted version of the manuscript, but one the referees suggested that we remove it. We explained how they computed the eccentricities. The GAP Groups, Algorithm and Programming is an open source package for computational discrete algebra. The version of GAP used in computations is 4.r.7. To do this, first the molecular graph is drown by HyperChem software and then the .hin file is loaded into TopoCluj software to obtain adjacency and distance matrices. Second, some GAP codes are utilized for calculating the eccentric adjacency index of the molecular graph by these matrices. Finally, some ordinary interpolation method is applied to find formula for eccentric adjacency index. A GAP program for computing eccentric adjacency index of arbitrary graphs: <pre> EAI:=function(A,D) #A is distance matrix # D is distance matrix local S,i,t,j,E,f; S:=[];E:=[]; for i in D do Add(E,1/Maximum(i)); od; for i in [1..Size(A)] do t:=0; for j in [1..Size(A)] do if A[i][j]=1 then t:=t+Sum(A[j]); fi; od; Add(S,t); od; f:=E*S; return(f); end; </pre> We sent some paper in which some topological indices obtained by interpolation method. The cases C20n, C12n+6 and C40n+6 was computed in the following book which is in Persian: A.R. Ashrafi, M. Ghorbani, M. Jalali, Mathematics of Fullerene: Topological indices, University of Kashan, 2010 (in Persian). We cited the mentioned reference and highlighted that.