



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_6354
Title of the Manuscript:	Existence and Structure of Entire Large Positive Radial Solutions for A Class of Quasilinear Elliptic system1

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
REFeree REPORT on revised manuscript of Existence and Structure of Entire Large Positive Radial Solutions for A Class of Quasilinear Elliptic Systems (ref number 2013_BJMCS_6354). Although the authors have made most of the compulsory changes, they have ignored the first and most important. In particular, they have not indicated for which functions u and v the conditions $H3$ and $H5$ hold. This is not a trivial matter. In fact, left as it is, the paper must be rejected because there is no Φ_1 or Ψ_1 that satisfy the third and fourth conditions in $H3$. Let me be more specific. Assume for the moment that the authors intend $H3$ to hold for all nonnegative continuous functions u and v. Then the third condition in $H3$ would hold for $u(r) = k$ and $v(r) = 0$. That inequality then becomes $m_1(r) k \leq \Phi_1(r,0) \leq m_1(r) k$ so that letting k go to ∞ gives that $\Phi_1(r,0) = \infty$, which is preposterous. And it was not, of course, necessary to use $v=0$ since any v will give the same thing. The fourth inequality in $H3$ is similarly bad. Also, condition $H5$ is not quite as bad but almost. If it is to hold for all nonnegative u and v, then it must hold for $v=0$. If so, then that yields $m_2(r)u(r) \leq \phi(r,u(r)) \leq m_2(r)u(r)$, which, of course, means that $\phi(r,u(r)) = m_2(r)u(r)$, merely the linear case and hardly worthy of publishing. Finally, the authors, as asked in my report, addressed the problem of η, given in the sentence following equation (32), not being able to satisfy equation (9). However, they now claim that it must satisfy (14). Well, there are two equations in (14), and it cannot satisfy both. They need to clarify. .	My paper have been modified arccording to Review. Please see the correct the manuscript. $H3$ and $H5$ have been revised.