Double versus Single blinded Peer-review

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Single blinded peer review:
Is it important to know who are the authors?

Advantage:
Yes, it gives an indication for the reviewers of the origin of the work.

Inconvenient:
It may create a major bias, as the reviewers may be less likely to objectively and “severely” criticize a manuscript from well known or established teams of researchers.

Single blinded peer review:
Selection of the reviewers?

Pre-triage of manuscripts?
Sending any submission to reviewers?

Issues
Are all manuscripts equal?
Availability of reviewers
Is it “ethical” to request a reviewer to review a manuscript that has many chances to be rejected?

Single blinded peer review:
Evaluation of the manuscript by the reviewers?

Issues
In depth review versus superficial review: How to deal with it?
Contradictory review results: How to handle it?
When to contact a third reviewer? Is it worth it?
Should reviewers be paid for their work? The occidental approach versus the Asian approach. Issues related with this type of “business”.

Single blinded peer review:
Follow-up of peer review: Dealing with the reviewers:

Issues
acknowledgment for their time and effort in a timely manner

Need to be kept informed: Send each of them the comments of the other reviewers for their own benefit and inform them about the decision made on the manuscript: accepted, Minor revisions, Major revisions, Rejected.