Elevate Your Research Discovery with Web of Science

Find High Impact Journals with JCR

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Solution Consultant, ASEAN
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Agenda

1:00pm – 2:00pm  Elevate Your Research Discovery with Web of Science

2:00pm – 2:30pm  Find High Impact Journals with JCR

2:30pm – 2:45pm  Key Resource 1: Publons Career Advantage

2:45pm – 3:00pm  Key Resources 2: Kopernio
Welcome to Research!

Ssshhh, he received major comments on this article.
Time
Getting information off the Internet is like taking a drink from a fire hydrant.
— Mitchell Kapor
Research is Looking for Specific Information

65298 seconds = 18 Hours!!
GET CONTENT THAT SAVES TIME & IS RELEVANT FOR YOU!
How can we help the Research Community & Researchers?
ISI – Thomson Scientific – Thomson Reuters – Clarivate Analytics

Web of Science
Trust the difference

https://clarivate.com/about-us/what-we-do/
Web of Science Database

[Image of Web of Science database interface]

Example search: "oil spill mediterranean"
What is a citation?

- A **citation** is a reference to other published materials.
RESEARCH IS CONNECTED! CITATIONS
What is a citation index?

- **A citation index** is a database that captures all references of items, allowing the user to easily establish which later documents cite which earlier documents.

What this means to you:

Using the citation index, you can easily find older and newer RELATED papers.
“Citation Index was designed as, and is, a system of very precise information retrieval”

Eugene Garfield (1925 – 2017)
Founder
Institute of Scientific Information
Web of Science Demo:

www.webofscience.com
Web of Science is a research discovery tool to enhance your search efficiency

True! Citation linkages are more robust than keyword searches and lead to you relevant information that you need.

Web of Science Core Collection covers scholarly materials that are high impact to the scholarly community.

True! Web of Science Core Collection coverage is carefully selected to over the most important scientific literature. Note that indexing more literature creates more noise and isn’t useful.
Clarivate Analytics (formerly ISI) owns many journals and includes them in the Web of Science to promote them.

False! Clarivate Analytics (formerly ISI) is not a primary publisher and chooses journals based on objective standards. There is no conflict of interest.

Web of Science is a full-text provider

False! Clarivate Analytics does own full text copyrights as it is not a primary publisher.
Web of Science

Journal Citation Reports

Key Resources: Publons/Kopernio
JOURNAL CITATION REPORTS
What do these have in common?

All of them exists in overwhelming numbers!
How many journals do you need?

80% of all citations came from just 2,400 journals

Bradford’s Law: A relatively small number of journals publish the majority of significant scholarly results


Source: Journal Citation Reports 2016
WoS is designed to be selective in coverage

14,144 + 6926
Journals (High impact + Emerging)
From 1900

190,000+
CONFERENCES
From 1990

80,000+
SCHOLARLY BOOKS
From 2005

- 65 Million Source Items
- >1 Billion Cited References

Acceptance into Web of Science Flagship 3 indexes is 10 – 12 %

As of Nov 2017
Clarivate Analytics assigns Impact Factor to Journals & is the most widely recognized and used metric.
Universal Impact Factor

About Us:

Universal Impact Factor (UIF) is founded for improving Impact Factors of journals with the help of its growing article database. A huge database of articles from various countries in different disciplines helps providing quality information to the researchers.

UIF maintains academic database services to researchers, journal editors and publishers. UIF focuses on: citation indexing, citation analysis, and maintains citation databases covering thousands of academic journals. Also UIF provides a detailed report of individual journal for further improvement of respective journal overall look up and technical aspect for better Impact Factor.
Publish or perish
Some Viable Publishing Strategies

**Strategy**

“I look for government accredited journals”

“I look for internationally recognized journals.”

“I want to publish in journals with high rank and prestige”

“I aim for journals that get cited very quickly”

“I want to publish in journals that gets cited for a long time”

**How?**

Refer to Thai Citation Index published by TCI

Use Web of Science or JCR to find high quality international journals

Find journal ranking and quartiles in JCR

Use “Immediacy Index” metric in JCR

Use “Cited Half Life” metric in JCR
Why use Journal Citation Reports?
Why use the JCR?

Publishers/Editors
- Compare your journals directly against peers and competitors.
- Understand the citation profile of the documents in your journals.
- Track your publications’ performance by building a custom journal list.

Librarians
- Find quantitative data to justify your collection development decisions.
- Evaluate your collections with custom journal lists.
- Track your faculty/institution’s contributions to journal performance.

Data Scientists
- Dive deeper into the JCR data with our downloadable cited and citing data tables, as well as the full data and metrics files, to understand how disciplines interconnect in the citation network.

Researchers
- Evaluate journals for your submissions.
- Focus on publishing trends like Open Access
- Determine your articles’ contributions to journal performance.
What is the JCR?

The JCR is an annual report that distills citation trend data from the Web of Science Core Collection to help you understand journal performance.

- View Journal Impact Factor and other metrics.
- All journals in JCR are sourced from two indexes:
  - Science Citation Index Expanded
  - Social Sciences Citation Index
- Citations are sourced from all indexes in the Core Collection.
  - New in 2018: Citations from the Book Citation Index content contribute to Journal Impact Factor numerators.
Journal Citation Reports provides **NEUTRAL and OBJECTIVE** Journal Measurements

“Clarivate Analytics is neutral: we are not a publisher and we have no plans to become one.”

**What this means:**
Clarivate doesn’t own journals, they are an information company. This makes JCR rankings objective and unbiased.

“We carefully weed out any predatory and non-peer-reviewed journals, so you can be confident that only the best journals are eligible to be given a JIF score.”

**What this means:**
Impact Factor is precious and **ONLY THE BEST** journals receive one.

“I want to publish in journals with High Impact Factor”
JCR covers only Sciences & Social Sciences Journals

- Science Citation Index – Expanded
- Social Science Citation Index
- Arts and Humanities Citation Index
- Emerging Sources
- Conference Proceedings
- Book Citation Index

Impact Factors reported annually in the Journal Citation Reports

NO Impact Factor
Every journal has a story to tell – JCR tells it

The Journal Impact Factor is a very useful tool for evaluation of journals, but it must be used carefully. At its core, the Journal Impact Factor is used to compare different journals within a certain field, bearing in mind considerations including the amount of review or other types of material published in a journal, variations between disciplines, and item-by-item impact.

- 1963, Eugene Garfield launches Science Citation Index, ISI, Philadelphia
- Garfield develops concept of Citation Indexing for research discovery
- The Impact Factor was developed to help select journals for SCI
- Available in 1975
JCR Demo:

www.webofscience.com
Understanding the use of Journal Impact Factor Scores in research evaluation:

Impact Factor and Subject Category
The world well-known Journal Impact Factor

\[ IF_{2017} = \frac{\text{# of citations to all items published in 2015 and 2016}}{\text{Articles & reviews published in 2015 and 2016}} \]
CONTEXT IS EVERYTHING!

IS 1.70m tall or short?
ASEAN mentioned in this infographic is Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand and Vietnam. For three other countries, which are Japan, Netherlands, and United States, are used as a standard.
How good an impact factor is depends on subject!

Is an IF of 3.45 good or poor?
Journal ranking is subject dependent

PLANT FOODS FOR HUMAN NUTRITION

### JCR Impact Factor

<table>
<thead>
<tr>
<th>Year</th>
<th>JCR</th>
<th>Plant Sciences</th>
<th>Chemistry, Applied</th>
<th>Nutrition &amp; Dietetics</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>60/222</td>
<td>Q2</td>
<td>73.18</td>
<td>24/1</td>
</tr>
<tr>
<td>2016</td>
<td>58/212</td>
<td>Q2</td>
<td>72.87</td>
<td>23/72</td>
</tr>
<tr>
<td>2015</td>
<td>59/209</td>
<td>Q2</td>
<td>72.61</td>
<td>22/72</td>
</tr>
<tr>
<td>2014</td>
<td>64/204</td>
<td>Q2</td>
<td>68.73</td>
<td>21/72</td>
</tr>
<tr>
<td>2013</td>
<td>55/199</td>
<td>Q2</td>
<td>72.61</td>
<td>16/72</td>
</tr>
<tr>
<td>2012</td>
<td>54/197</td>
<td>Q2</td>
<td>72.84</td>
<td>18/71</td>
</tr>
<tr>
<td>2011</td>
<td>51/190</td>
<td>Q2</td>
<td>73.42</td>
<td>15/71</td>
</tr>
<tr>
<td>2010</td>
<td>38/186</td>
<td>Q1</td>
<td>60.65</td>
<td>14/70</td>
</tr>
<tr>
<td>2009</td>
<td>52/173</td>
<td>Q2</td>
<td>70.31</td>
<td>20/64</td>
</tr>
<tr>
<td>2008</td>
<td>53/156</td>
<td>Q2</td>
<td>66.34</td>
<td>21/61</td>
</tr>
<tr>
<td>2007</td>
<td>52/152</td>
<td>Q3</td>
<td>39.80</td>
<td>31/62</td>
</tr>
<tr>
<td>2006</td>
<td>105/147</td>
<td>Q3</td>
<td>28.91</td>
<td>30/58</td>
</tr>
<tr>
<td>2005</td>
<td>113/144</td>
<td>Q4</td>
<td>21.87</td>
<td>44/59</td>
</tr>
<tr>
<td>2004</td>
<td>123/138</td>
<td>Q4</td>
<td>11.23</td>
<td>48/59</td>
</tr>
<tr>
<td>2003</td>
<td>129/136</td>
<td>Q4</td>
<td>5.51</td>
<td>49/57</td>
</tr>
<tr>
<td>2002</td>
<td>122/135</td>
<td>Q4</td>
<td>10.00</td>
<td>52/59</td>
</tr>
</tbody>
</table>

Web of Science
Trust the difference

Clarivate Analytics
Journal ranking is subject dependent

- **max**
- **median**
- **min**

25% Q1
25% Q2
25% Q3
25% Q4

Impact Factor
Three scenarios for publication strategy

- **High Standard Approach**
  - Q1
  - 25%
- **Moderate Approach**
  - Q2
  - Q3
  - 25%
- **Conservative Approach**
  - Q4
  - 25%

Impact Factor

- **min**
- **median**
- **max**
JCR monitoring:

Can Journals lose their status
YES...under the following conditions
Self-citations are items citing another item in the same journal.

This counts as a citation to Journal B.

This counts of 3 journal self-citations for Journal A.
Journal Self-Citations Affects Impact Factor

Journal: ACADEMY OF MANAGEMENT REVIEW
Categories: BUSINESS / MANAGEMENT

Journal Impact Factor

Cites in 2012 to items published in: 2011 =172 Number of items published in: 2011 =30
2010 =278 2010 =27
Sum: 450 Sum: 57
Calculation:

<table>
<thead>
<tr>
<th>Citations to recent items</th>
<th>Number of recent items</th>
</tr>
</thead>
<tbody>
<tr>
<td>450</td>
<td>57</td>
</tr>
</tbody>
</table>

Calculation:

\[
\text{Impact Factor} = \frac{\text{Cites in 2012 to items published in 2011}}{\text{Number of items published in 2011}} = \frac{172}{30} = 5.733
\]

5-Year Journal Impact Factor

2010 =278 2010 =27
2009 =208 2009 =32

Calculation:

<table>
<thead>
<tr>
<th>Citations to recent items</th>
<th>Number of recent items</th>
</tr>
</thead>
<tbody>
<tr>
<td>1350</td>
<td>57</td>
</tr>
</tbody>
</table>

Calculation:

\[
\text{Impact Factor} = \frac{\text{Cites in (2012) to items published in 2011}}{\text{Number of items published in 2011}} = \frac{172}{30} = 5.733
\]

Journal Self Cites

The tables show the contribution of the journal’s self cites to its impact factor. This information is also represented in the cited journal graph.

<table>
<thead>
<tr>
<th>Total Cites</th>
<th>16810</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self Cites</td>
<td>324 (1% of 16810)</td>
</tr>
<tr>
<td>Cites to Years Used in Impact Factor Calculation</td>
<td>450</td>
</tr>
<tr>
<td>Self Cites to Years Used in Impact Factor Calculation</td>
<td>37 (8% of 450)</td>
</tr>
</tbody>
</table>

Impact Factor

<table>
<thead>
<tr>
<th>Impact Factor</th>
<th>7.895</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact Factor without Self Cites</td>
<td>7.246</td>
</tr>
</tbody>
</table>
Journals with Excessive Self-Citations Will be Suppressed

Journal: Revista Brasileira de Farmacognosia-Brazilian Journal of Pharmacognosy

Effect of Self Citations on rank in category:

From Q1
To Q4
• Chemistry, Medicinal
• Pharmacology & Pharmacy

Journal was suppressed from 2010.

Source: 2010 Journal Citation Reports
Citation stacking is a pair of journals with high citation rates between them.

If this passes a threshold, it will be flagged as citation stacking.
JCR Quiz - True/False questions

JCR contains many journal metrics for various publishing strategies

True! No single metric is perfect. Depending on what your publishing strategy is, JCR has different metrics to assist in your decision making process.

JCR covers Science, Social Sciences and Arts & Humanities journals.

False! JCR does not cover Arts & Humanities journals as citation analysis is less useful in those subjects.
Clarivate Analytics invents new journal metrics to make their own journals look better than competing journals.

False! Clarivate does not own any journals and is neutral in its metric calculation methods.

Clarivate Analytics take serious actions against citation manipulation

True! Clarivate monitors its database and is the ONLY database provider that has a history of annual deselections.
Give Yourself Career Advantage through Publons
➢ In 2011, *Forbes* published the article “5 Reasons Why Your Online Presence Will Replace Your Resume in 10 Years.”
➢ Today, job recruiters and potential managers view LinkedIn as an online resume. You can use your LinkedIn profile to highlight your job experience and show off endorsements and recommendations you’ve received
➢ Is this sufficient for researchers?
How do you demonstrate your research impact?
Publons allows you to Showcase:

- Publications
- Citation Metrics
- Peer Reviews
- Journal Affiliations

& more.....
Take Your Research Career Forward – Become a better Peer Reviewer
Profile Page

Summary of key publication and peer review metrics

Navigate to detailed metrics, publication, or peer review and journal editing summaries

Research fields, bio, institutional affiliations, and highly cited and peer review awards

Most cited publications and citation counts

Journals reviewed for and count of verified reviews performed
With a more complete suite of metrics

- $h$-index
- Avg. citations per article
- Avg. citations per year
- Total citations over time
- Citation counts in per-paper context and aggregate.
- Peer review metrics
- Editorial Board Memberships
- Citations of papers you reviewed

N.B. Citation metrics are drawn from the Web of Science Core Collection
Retrieve and showcase awards
Download official certificates directly from your profile.

Highly Cited Researchers
Publons Academy
Mentors or
Graduates
Top peer reviewers

Publicly showcase your achievements from your profile.
Download your Verified Record

Save time preparing for evaluations and funding applications with your downloadable report summarizing your work as a published author, editor and peer reviewer.

This version is available today

Updated design coming in 2019 to include:
  Citation metrics
  h-index
  Reformatting
  Greater customization
Claim your publications from Web of Science

Claim your publications directly from Web of Science and export to your Publons profile.

Note: If you have a pop-up blocker, you will need to disable this to be able to claim your publications from within Web of Science.
Import citations and $h$-index from Web of Science

Publons automatically calculates your Web of Science Core Collection citation counts and $h$-index for any publications you imported to your profile, regardless of how the publications were added.

Why Web of Science Core Collection citations?

Publons uses the Web of Science Core Collection — 21,000 journals hand-selected and re-evaluated by expert editors — to calculate citation counts and $h$-indexes. This ensures that every citation we count is from an authoritative and robust corpus of publication metadata, with balanced coverage across disciplines and geographies, and vetted by expert editors as meeting the quality standards required to be indexed in the Web of Science Core Collection.
How do you claim your peer reviews

Automatically add reviews to your profile thanks to our integrations with thousands of scholarly journals.

Reviewer invited → Invitation accepted → Reviewer submits → Review complete → Decision by editor → Publication

Add this review to Publons? Yes or No

Publons opt-in

Create your profile
Set a password below to create your profile. Your review record will be added as “Reviewer for Journal of Clinical Medicine”

Profile updated with verified review record (No sensitive information is displayed)

Publons checks for existing account. If none, invites reviewer to sign up

Publons automatically retrieves and transfers verified review details.
Add reviews and editorial records for non-partnered journals

We verify these records behind the scenes and add the records to your profile.

Email review receipts ('Thank you for reviewing emails) to reviews@publons.com
Manually enter review details from your private dashboard.
Link with ORCiD

Login to Publons with ORCiD
One click import publications from ORCiD to Publons profile
One click export publication and review records from Publons to ORCiD
Researcher ID has migrated to Publons

You can now sign in to Publons, EndNote, Web of Science® and Researcher ID with one email address and password.

If you already have an account with one of these products, please sign in with those credentials to start using Publons. Learn more about registering for Publons here

Join over 635,693 researchers on Publons to track your publications, citation metrics, peer reviews, and journal editing work in a single, easy-to-maintain profile.

- All your publications, instantly imported from Web of Science, ORCID, or your bibliographic reference manager (e.g. EndNote or Mendeley)
- Trusted citation metrics, automatically imported from the Web of Science Core Collection
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You can now sign in to Publons, EndNote, Web of Science® and Researcher ID with one email address and password.
Training the next generation reviewer expert
What is the Publons Academy?

• Free, online, practical peer review training course
• Developed together with top reviewers, editors, and online educators
• 10 modules each with a module video, short expert tip video, and an exercise
• On demand with no deadlines
• Peer review template
• Practical exercises: write 2 reviews on published papers (can be pre-prints)
  o Mentor helps revise reviews and approve them
• Graduate with peer review certificate
• Added to reviewer pool that our partner publisher editors use to find reviewers
Course Outline

Overview of each module and your progress through the course.

Continue Module 5: At first glance

1. Welcome to the Publons Academy
2. Academic publishing and peer review
3. What journals want
4. Ethical considerations
5. At first glance
6. Evaluating introductions
7. Evaluating methodology
8. Evaluating data and results
9. Evaluating discussions and conclusions
10. Structuring your reviews
<table>
<thead>
<tr>
<th>Section</th>
<th>Points to Ponder</th>
<th>Review comments and notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract, title and</td>
<td>• Is the aim clear?</td>
<td></td>
</tr>
<tr>
<td>references</td>
<td>• Is it clear what the study found and how they did it?</td>
<td></td>
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<tr>
<td></td>
<td>• Is the title informative and relevant?</td>
<td></td>
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<tr>
<td></td>
<td>• Are the references:</td>
<td></td>
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<tr>
<td></td>
<td>• Relevant?</td>
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<td></td>
<td>• Racord?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Referenced correctly?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Are appropriate key studies included?</td>
<td></td>
</tr>
<tr>
<td>Introduction/ background</td>
<td>• Is it clear what is already known about this topic?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Is the research question clearly outlined?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Is the research question justified given what is already known about the topic?</td>
<td></td>
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<tr>
<td>Methods</td>
<td>• Is the process of subject selection clear?</td>
<td></td>
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<tr>
<td></td>
<td>• Are the variables defined and measured appropriately?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Are the study methods valid and reliable?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Is there enough detail in order to replicate the study?</td>
<td></td>
</tr>
<tr>
<td>Results</td>
<td>• Is the data presented in an appropriate way?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Tables and figures relevant and clearly presented?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Appropriate units, rounding, and number of decimals?</td>
<td></td>
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<tr>
<td></td>
<td>• Titles, columns, and rows labelled correctly and clearly?</td>
<td></td>
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<tr>
<td></td>
<td>• Categories grouped appropriately?</td>
<td></td>
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<tr>
<td></td>
<td>• Does the text in the results add to the data or is it repetitive?</td>
<td></td>
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<tr>
<td></td>
<td>• Are you clear about what is a statistically significant result?</td>
<td></td>
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<tr>
<td></td>
<td>• Are you clear about what is a practically meaningful result?</td>
<td></td>
</tr>
<tr>
<td>Discussion and</td>
<td>• Are the results discussed from multiple angles and placed into context</td>
<td></td>
</tr>
<tr>
<td>Conclusions</td>
<td>without being overinterpreted?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Do the conclusions answer the aims of the study?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Are the conclusions supported by references or results?</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Are the limitations of the study fatal or are they opportunities to inform</td>
<td></td>
</tr>
<tr>
<td></td>
<td>future research?</td>
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<tr>
<td>Overall</td>
<td>• Was the study design appropriate to answer the aim?</td>
<td></td>
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<tr>
<td></td>
<td>• What did this study add to what was already known on this topic?</td>
<td></td>
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<tr>
<td></td>
<td>• What were the major flaws of this article?</td>
<td></td>
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<tr>
<td></td>
<td>• Is the article consistent within itself?</td>
<td></td>
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</table>
Structure your comments into a full review:

<table>
<thead>
<tr>
<th>Overall statement or summary of the article and its findings in your own words</th>
<th>Overall strengths of the article and what impact it might have in your field</th>
</tr>
</thead>
</table>

Specific comments on weaknesses of the article and what could be done to improve it

Major points in the article which needs clarification, refinement, reanalysis, rewrites and/or additional information and suggestions for what could be done to improve the article.

1. 
2. 
3.

Minor points like figures/tables not being mentioned in the text, a missing reference, typos, and other inconsistencies.

1. 
2. 
3. 
4.
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Analysis of annexin 7 gene of malignant prostatic hyperplasia-induced male wistar rats in the presence of Annona muricata

By: Masini, DJ; Masini, Joseph Bamidele[1]; Chikweze, CC; Chikweze, Claribel Chidemba[2]

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Abstract

Background: Prostate cancer has become the most common cancer among African American men and the second leading cause of cancer death in men worldwide. Many anti-malignant agents have been isolated from different plant species with minimal or no side effects thus it holds future promise as a treatment of choice. Both therapies when compared with other treatment methods including synthetic drugs, etc. This current investigation was aimed at evaluating the anti proliferative efficacy of the ethanolic extract of Annona muricata leaf on annexin 7 gene of malignant prostatic hyperplasia induced male wistar rats. Materials and Methods: Sub-chronic daily oral gavage exposure of the test substances to experimental animals lasted for a period of 26 days. The medium glutamate and L-arginine (0.1225 mg/kg/day) with puffy HRR were administered concomitantly to the male wistar rats in various treatment

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