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| Book Name: | [**Achievements and Challenges of Medicine and Medical Science**](https://www.bookpi.org/bookstore/product/achievements-and-challenges-of-medicine-and-medical-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4143** |
| Title of the Manuscript: | **Natural Compounds as Promising Modulators of Breast Cancer Signalling: The Role of Tea Polyphenols** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **(1) Manuscript of any research article play very important role in learning and understanding of research article.**  **(2) The manuscript of research article it is very useful for scientific community.**  **(3) We can say the manuscript is a main part of research methodology.**  **(4) Manuscript is very useful for research and scientific community.**  Manuscript is also right but scientific name and local name are mention use in manuscript. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **I think the perfect title is :-**  **Natural Compounds as Promising Modulators of Breast Cancer Signalling: The significant Role of Tea Polyphenols.**  This title is so effective and attractive |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Nice, Breast cancer, as a disease, is highly prevalent among women in India and worldwide. Aberrant expression and signalling through various pathways like the focal adhesion kinase (FAK) pathway, the mitogen activated protein kinase (MAPK) pathway and the extracellular signal regulated kinase (ERK) pathway have been reported to cause breast cancer progression and metastasis. Treatment of breast cancer patients via chemotherapy can often pose severe toxic side effects with peripheral tissue and organ damage. Determining anti-tumorigenic potential of various natural compounds is an interesting arena of work in order to address this issue. As FAK. MAPK and ERK signalling pathways are important factors in progression and spread of breast cancers, we analysed the potential of two tea polyphenols, epigallocatechin-3-gallate (EGCG) and theaflavin, for targeting these signalling pathways. Molecular docking and analysis indicated both theaflavin and EGCG showed good binding affinity and interactions via hydrogen bonding with various amino acids on the FAK, p38MAPK and ERK2 molecules. Theaflavin and EGCG however, appear to interact with different sites on p38MAPK and ERK2 but both bind around the same site on FAK. Our studie.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Manuscript is scientifically correct.**  Right |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **I advice some ayurveda references like.**  **Grover M: Pistacia integerrima (Shringi)- A**  **plant with significant pharmacological**  **Activities. The Journal of Phytopharmacology**  **2021; 5: 323-33**  Use this point |  |
| Is the language/English quality of the article suitable for scholarly communications? | English quality is so good |  |
| Optional/General comments | Excellent Work  This is excellent work and I thik world have require this type of research because this is beneficial for people's. |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Vaidhshiromani.Dheeraj Sharma** |
| Department, University & Country | **Patanjali Ayurved College, India** |