

Prof. T.N. Ananthakrishnan Foundation

GUIDELINES FOR EVALUATION OF NOMINATIONS

SENIOR SCIENTIST AWARDS

Allocation of marks for different criteria

(Total 100 marks)

1.	Publications- Peer Reviewed Research papers	- maximum 50 marks
2.	Publications- research/ technical (excl. above)	- maximum 15 marks
3.	Products, technologies	- maximum 10 marks
4.	Patents	- maximum 05 marks
5.	External funded projects	- maximum 05 marks
6.	Awards/ honours/ recognitions	- maximum 07 marks
7.	500 word note/ justification for award	- maximum 03 marks
8.	Marks awarded by juries	- maximum 05 marks

A. PUBLICATIONS/ PRODUCTS & TECHNOLOGIES

(a) Publications- Peer Reviewed Research papers-

(max. 50 marks)

(i) The nominees should submit the list of their 20 best research publications (NAAS rating >6), of relevance to agricultural/ applied entomology/ entomology, in chronological order. For each publication give name(s) of the author(s), indicate the corresponding author by asterisk '*' after his/her name, year of publication, full title, name of the journal, volume No. and page Nos., NAAS journal id, NAAS rating (effective as on 1st January 2024). This format to be strictly followed in a table form.

(ii) First/ corresponding authors will get full marks (2.5 marks each) and third authorship onwards will get 50% (1.25 marks).

(iii) One set of reprints/ first page with journal name, author, pagination of the 20 best research publications listed has to accompany.

(b) Publications- Research/ Technical- excl. under (a) above

(max. 15 marks)

Provide complete list of publications -excl. under (a) above; monographs/ revisions, technical bulletins, policy papers, books/ book chapters, proceedings/ abstracts/ papers presented in conferences etc. may be considered. Format for submission same as for (a) above.

(c) Products and Technologies

(max. 10 marks)

Developer of Products and Technologies authenticated by accredited body at national level

• **Products:** including variety, unique germplasm, genetic stock/ contribution in evolving varieties, chemical/ pathogens/ biochemical formulation, artificial diets/ pheromone formulations, models of institutional innovations, programming, simulation or statistical models and computer software, including extension software such as expert systems and interactive multimedia, new taxa described, new invasives/ new pests/ strains/ biotypes or genetic groups/ entomopathogens/ pollinators/ scavengers identified, new machines/ equipments/ delivery mechanisms or major modifications in them/ development of new value-added products that have been economically evaluated and adopted or have the potential to be adopted on a wide scale. Plant protection/ IPM policy documents, demonstration or popularization of technologies with evidence of coverage can be included here.

• **Technologies:** Research findings that become sustainable practices among the stakeholders. These include innovative/ sustainable IPM, integrated biocontrol/ other resource management, IPM models, remote sensing based models, post-harvest technologies, institutional innovations, innovative extension efforts leading to large scale diffusion and adoption of technologies, farmer or scientist friendly websites/ mobile apps for pests/ natural enemies/ IPM, natural enemies conservation methods/ ecosystem management/ biotechnological or physiological interventions in IPM, farmers' participatory/ area wide approach technologies, commercialisation of technologies with revenue generation, with evidence of coverage can be included here.

Developer (one) shall be awarded 100% marks, Co-developers (max. two) 50% marks and associates 30% marks.

B. PATENTS

(Max. 05 marks)

Patents granted/ commercialized with details of patent no., trademarks and IP protection should be provided (each patent/ copyright scores 2 marks limited to maximum of 5 marks, evidence given must carry the nominees' name). Status of application/ grant to be clearly indicated with dates.

C. EXTERNAL FUNDED PROJECTS

(Max. 05 Marks)

Each project worth >Rs. 5 lakhs as PI/ Project Leader two marks and as CoPI one mark each

D. AWARDS, HONOURS, FELLOWSHIP OF NATIONAL ACADEMIES, etc.

(Max. 07 marks)

- Awards by ICAR, CSIR, DST, DBT, NRDC, National Science Academies, etc. (2 each)
- Young scientist award/associateship by the National Science Academies (2 each)
- National/ International level Professional Society and Academy (not covered above) Awards/ Recognition (Fellowship; Lifetime Achievement Award; President, Editor-in-Chief/ or equivalent, or Secretary positions)/ best paper/ oral presentation/ poster prize/ award (1 mark each)

E. 500 word note/ justification for award

(Max. 03 marks)

In their own interest all nominations to comply with requirements of documentary evidence for each score to be appended systematically giving indications of page number(s) to facilitate evaluation.

YOUNG SCIENTIST AWARDS

Allocation of marks for different criteria

(Total 100 marks)

- | | |
|---|--------------------|
| 1. Publications- Peer Reviewed Research papers (biennium 2022-2023) | - maximum 50 marks |
| 2. Publications- research and technical (excl. above) | - maximum 20 marks |
| 3. Products, technologies | - maximum 10 marks |
| 4. Patents | - maximum 05 marks |
| 5. External funded projects | - maximum 05 marks |
| 6. Awards/ honours/ recognitions | - maximum 03 marks |
| 7. 500 word note/ justification for award | -maximum 02 marks |
| 8. Marks awarded by juries | - maximum 05 marks |

A. PUBLICATIONS/ PRODUCTS & TECHNOLOGIES

(a) Publications- Peer Reviewed Research papers

(max. 50 marks)

The nominees should submit the list of their publications during the biennium 2022-2023 (of relevance to agricultural/ applied/ entomology, in chronological order). For each publication give name(s) of the author(s), indicate the corresponding author by asterisk '*' after his/her name, year of publication, full title, name of the journal, volume No. and page Nos., NAAS journal id, NAAS rating (effective 1st January 2024). This format to be strictly followed in a table form.

For first/ corresponding authors NAAS rating will be multiplied by 0.5, and by 0.25 for others, subject to maximum of 50)

One set of reprints/ first page with journal name, author, pagination of the publications made during the biennium 2020-2021 be attached.

(b) Publications- research/or technical excl. under (a) above

(max. 20 marks)

Provide complete list of publications excl. under (a) above, monographs/ revisions, technical bulletins, policy papers, books/ book chapters, proceedings/ papers/ abstracts presented in conferences, etc. Format for submission same as for (a) above.

(c) Products and technologies

(max. 10 marks)

Developer of Products and Technologies authenticated by accredited body at national level

• **Products:** including variety, unique germplasm, genetic stock/ contribution in evolving varieties, chemical/ pathogens/ biochemical formulation, artificial diets/ pheromone formulations, models of institutional innovations, programming, simulation or statistical models and computer software, including extension software such as expert systems and interactive multimedia, new taxa described, new invasives/ new pests/ strains/ biotypes or genetic groups/ entomopathogens/ pollinators/ scavengers identified, new machines/ equipments/ delivery mechanisms or major modifications in them/ development of new value-added products that have been economically evaluated and adopted or have the potential to be adopted on a wide scale. Plant protection/ IPM policy documents, demonstration or popularization of technologies

• **Technologies:** Research findings that become sustainable practices among the stakeholders. These include innovative/ sustainable IPM, integrated biocontrol/ other resource management, IPM models, remote sensing based models, post-harvest technologies, institutional innovations, innovative extension efforts leading to large scale diffusion and adoption of technologies, farmer or scientist friendly websites/ mobile apps for pests/ natural enemies/ IPM, natural enemies conservation methods/ ecosystem management/ biotechnological or physiological interventions in IPM, farmers' participatory/ area wide approach technologies, commercialisation of technologies with revenue generation

Developer (one) shall be awarded 100% marks, Co-developers (max. two) 50% marks and associates 30% marks

B. PATENTS

(Max. 05 marks)

Patents applied for/ granted with details of Patent No., Trade Marks and IP protection should be provided (each patent/ copyright scores 2 mark limited to maximum 5 marks). Status of application/ grant to be clearly indicated with dates.

C. EXTERNAL FUNDED PROJECTS

(Max. 05 Marks)

Each project worth >Rs. 5 lakhs as PI/ Project Leader two marks and as CoPI one mark each

D. AWARDS, HONOURS, FELLOWSHIP/ ASSOCIATESHIP OF NATIONAL ACADEMIES etc.

(Max. 03 marks)

Awards by ICAR, CSIR, DST, DBT, NRDC, National Science Academies, etc. (2 each) Young scientist award/associateship by the National Science Academies (2 each)
National/ International level Professional Society and Academy Awards/

Recognition- Fellowship; Lifetime Achievement Award; President, Editor-in-Chief/
or equivalent, and Secretary positions/ best paper/ oral presentation/ poster prize/ award (not covered
above) (1 each)

E. 500 word note/ justification for award

(Max. 02 marks)

In their own interest all nominations to comply with requirements of documentary evidence for each score to be appended systematically giving indications of page number(s) to facilitate evaluation

BEST Ph.D. THESIS AWARDS

This award is meant exclusively for Ph.D. thesis related to entomological sciences from any Indian University. Any Indian who has completed Ph.D. in Entomology with thesis work focused on insect/mites/ other non-insect pests excluding nematodes can apply. The Certificate of the degree/provisional degree must be dated between 1st January 2022 to 31st December, 2022 (for 2022) and 1st January 2023 to 31st December, 2023 (for 2023). Those who got best Ph.D. thesis awards already in any such competition are not eligible, and a declaration to this effect in the application is required. The research work must be original. The results obtained must have the potential of enhancing the knowledge in the frontier areas. Must have published/accepted at least two good research papers in a journal having NAAS rating of 6 and above (2024 NAAS rating). These must be relevant to the objectives of the Ph.D. thesis. The following criteria will be evaluated by the jury, and the weightage for each is given below.

Evaluation Criteria with Weightage

1. Conceptual clarity and coherence of the research problem (10)
2. Scientific, technological and socio-economic relevance and priority of the research problem (10)
3. Compilation, analysis and interpretation of existing literature, quality of illustrations and photographs (5)
4. Organization of research work. Complementarity of the various experiments and investigations and their integration into a logical plan of work (10)
5. Conduct of the research programmes: Scientific soundness and technological modernity of the experimental methods and logical planning (10)
6. Scientific validity and accuracy of the analysis of experimental data (10)
7. Principal findings: To what extent do they meet the objectives of the research programme (10)
8. In what way the findings constitute a significant advance in our knowledge and understanding (10)
9. Research papers published and their quality as judged by the NAAS rating (20)
10. Patent/s copyrights applied and accepted (5)

PLEASE NOTE THAT NOMINATION FORM for senior scientists and young scientist awards are the same. There is a separate form for the best PhD Thesis Award. These are appended below.