**BUREAU OF INDIAN STANDARDS**

# RESOLUTIONS

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| **Name of the Committee** | **No. of Meeting** | **Date** | **Time** | **Venue** |
| Pesticide Residues Analysis Sectional Committee, FAD 27 | Tenth | 27 August 2024 (Tuesday) | 10 30 h | **Virtual Mode**  Through Webex |

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| **CHAIRPERSON:**  **Dr. K. K. Sharma**  Former Network Coordinator  All India Network Project on Pesticide Residues  Indian Agricultural Research Institute  New Delhi - 110012 | **MEMBER SECRETARY:**  **Ms. Lavika Singh**  Scientist-C  Food & Agriculture Department,  Bureau of Indian Standards,  New Delhi |

**RESOLUTIONS TAKEN BY FOODGRAINS, ALLIED PRODUCTS AND OTHER AGRICULTURAL PRODUCE SECTIONAL COMMITTEE, FAD 27 AS WEB MEETING:**

**1. RESOLUTION FAD 27/ 2024/R-10- Modification of Minutes of Last Meeting**

FAD 27 accept the comments received from Dr. Rajesh R Nair and modified the minutes of its 9th meeting held on 17 May 2024. The modified minutes of the 9th meeting would be once again circulated to the committee.

**2. RESOLUTION FAD 27/ 2024/R-11 – Review of composition**

FAD 27 decides to withdrawn of the following organization due to non updation of nominations:

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| **Sl. No.** | **Name of the Organization** |
|  | Punjab Agricultural University, Ludhiana (AICRP Centre) specifically from Pesticides Residue Centre |
|  | University of Agriculture Sciences, Raichur |

**3. RESOLUTION FAD 27/ 2024/R-13 – Co-option to the committee**

FAD 27 decides to co-opt ICAR-CFTRI, Mysore and Kerala Agriculture University, Thrissur.

**2. RESOLUTION FAD 27/ 2024/R-12 – Review of Panel Composition**

FAD 27 decides to change the designation of panels and working groups as per latest BIS guidelines. FAD 27 resolves to revamp all the panel and working groups in the committee on the basis of participation of experts in the panel/WGs. The modifies Panel and WGs are as under:

**i) FAD 27/WG I ‘Multiresidue methods for Fruits, Vegetables, Cereals and Pulses’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in fruits, vegetables, cereals, and pulses

**Composition:**

CONVENOR – (In Personal Capacity) Dr. J K Dubey

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | In Personal Capacity, COVENOR | Dr. J K Dubey |
|  | University of Agricultural Sciences (UAS), Raichur, Karnataka | Dr. Prabhuraj A |
|  | National Research Centre for Grapes, Pune | Dr. Shabeer Ahammed T.P. |
|  | National Institute of Nutrition, Hyderabad | Dr. S. N. Sinha |
|  | Indian Institute of Horticultural Research, Bengaluru | Nominations to be updated |
|  | Vimta Labs, Hyderabad | Dr. Jagadeesh Kodali |
|  | University of Horticultural Sciences, Bangalore, Karnataka | Nominations to be updated |
|  | Anand Agricultural University, Anand | Dr. K.D. Parmar |
|  | National Food Laboratory, Ghaziabad | Mr. Satish Yadav  Dr. Adhikari |
|  | In Personal Capacity | Dr. Paresh G Shah |
|  | In Personal Capacity | Dr. Abhay Ekbote |
|  | EIC, New Delhi | Mr. Manoj Kumar Gupta |

**ii) FAD 27/WG II ‘Multiresidue methods for Spices and Nuts’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in spices and nuts

**Composition:**

CONVENOR – Dr. Ramesh Natrajan, Spices Board India, Kochi

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | Anand Agricultural University, Anand | Dr. K. D. Parmar |
|  | PRRAL, College of Agriculture, Vellayani | Dr. Thomas George |
|  | National Institute of Nutrition, Hyderabad | Dr. S. N. Sinha |
|  | University of Horticultural Sciences, Bangalore, Karnataka | Nominations to be updated |
|  | National Research Centre for Grapes, Pune | Dr. Shabeer Ahammed T.P. |
|  | Export Inspection Agency, Kochi | Dr. Anoop A. Krishnan |
|  | Vimta Labs, Hyderabad | Dr. Jagadeesh Kodali |
|  | Intertek Labs, Gurgaon | Mr. Sudip Roy |
|  | KAU, Vellyani | Dr. Ambli Paul |
|  | ICAR-Indian Institute of Spices Research | Nominations Awaited |

**iii) FAD 27/WG IV ‘Multiresidue methods for Oils & Oilseeds’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in oils & oilseeds.

**Composition:**

CONVENOR – Dr. Paresh G Shah (In Personal Capacity)

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | Acharya N.G. Ranga Agricultural University, Guntur | Dr. Sreenivas Rao Cherukeri |
|  | Anand Agricultural University, Anand | Dr. K.D. Parmar |
|  | National Institute of Nutrition, Hyderabad | Dr. S. N. Sinha |
|  | National Commodities Management Services Limited, Hyderabad | Dr. G. Ananda Kumar |
|  | FARE Labs | Mr. D.K. Mathur |
|  | National Food Laboratory, Ghaziabad | Mr. Satish Yadav |
|  | University of Horticultural Sciences, Bangalore, Karnataka | Nominations to be updated |
|  | Anand Agriculture University, Anand | Dr. Suchi Chawla |

**iv)** **FAD 27/WG V ‘Multiresidue methods for Meat, Poultry, Fish & Marine Products’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in Meat, Poultry, Fish & Marine Products.

**Composition:**

CONVENOR - Dr. Niladri Sekhar Chatterjee, ICAR-Central Institute of Fisheries Technology (ICAR-CIFT), Kochi

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | Export Inspection Agency, Kochi | Dr. Anoop A. Krishnan |
|  | Marine Products Export Development Authority, Kochi | Mrs. Aneesa T. A. |
|  | Veterinary College, Mumbai | Dr. Ravindra Zende |
|  | NRC Meat, Hyderabad | Dr. Muthu Kumar |
|  | Representative from EIA, Chennai | Dr. Satish Chandra Shukla |

**v)** **FAD 27/Panel VI ‘Honey and Honey Products’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in Honey and Honey Products.

**Composition:**

CONVENOR - Dr. Ajit Dua (Punjab Biotechnology Incubator, Mohali)

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | CALF, NDDB, Anand | Ms. Swati Patil |
|  | In Personal Capacity | Dr. Abhay Ekbote |
|  | University of Agricultural Sciences (UAS), Raichur, Karnataka | Dr. M. Bheemanna |
|  | University of Horticultural Sciences, Bangalore, Karnataka | Nominations to be updated |
|  | Export Inspection Agency, Chennai | Dr. Rajesh R. |
|  | Indian Institute of Horticultural Research, Bangaluru | Dr. Partha Choudhury |
|  | Intertek Labs, Gurgaon | Dr. Shalini Tyagi |
|  | Central Bee Research Institute, Pune | Dr. Sanjib Roy |
|  | Dabur Research Foundation, Delhi | Dr. Ranjan Mitra |

**vi)** **FAD 27/WG VII ‘Multiresidue methods for Milk and Milk Products’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in Milk and Milk Products.

**Composition:**

CONVENOR - Dr. Rajesh Nair (CALF, NDDB, Anand)

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | National Food Laboratory, Ghaziabad | Dr. A. K. Adhikari |
|  | University of Agricultural Sciences, Raichur | Nominations to be updated |
|  | Export Inspection Agency, Mumbai | Dr. Anoop A. Krishnan |
|  | Vimta Labs, Hyderabad | Dr. Jagadeesh Kodali |
|  | In Personal Capacity | Dr. Paresh G Shah |
|  | National Research Centre for Grapes, Pune | Dr. Shabeer Ahammed T.P. |

**vii) FAD 27/Panel VIII ‘Multiresidue methods for Tea and Coffee’**

**Scope:** Formulate test methods for multi-residue analysis of pesticides in Tea and Coffee.

**Composition:**

CONVENOR – Dr. A K Barooah, Personal Capacity

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | UPASI Tea Research Foundation, Regional Centre, Conoor | Dr. M Sivakumar |
|  | UPASI Tea Research Foundation, Valaparai | Dr. R Victor J Ilango |
|  | Coffee Board, Bangalore | Nomination Awaited |
|  | Department of Agricultural Chemicals, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur | Dr. Rajib Kumar |
|  | TATA Tea | Dr. Manika Nandan |
|  | Tea Research Association, Jorhat | Dr. Ratkim Pal |
|  | In Personal Capacity | Dr. AK Baurah |
|  | EIA, Kolkata | DR. Somnath Das |
|  | NFL, Ghaziabad | Dr. Deepika  Dr. Adhikari |

**viii) FAD 27/WG IX ‘Test Methods for Dithiocarbamate, glyphosate, and other polar Pesticide Residue’**

**Scope:** Formulate test methods for analysis of Dithiocarbamate, glyphosate, and other polar Pesticide Residue in food commodities, soil and water.

**Composition:**

CONVENOR - Dr. Shabeer Ahammed T.P (National Research Centre for Grapes, Pune)

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
|  | In Personal Capacity | Dr. P. G. Shah |
|  | Indian Institute of Horticultural Research, Bengaluru | Dr. Partha Choudhury |
|  | NIPHM, Hyderabad | Dr. Nirmali Saikia  Dr. M. Jaya |
|  | Tamil Nadu Agricultural University, Coimbatore | Dr. M. Paramasivam |
|  | TUV SUD South Asia Pvt. Ltd, Bangalore | Dr. Sagar Utture |
|  | Food Hygiene and Health Laboratory, Pune | Dr. Manjusha Jadhav |
|  | UPASI – Tea Research Foundation, Valparai | Dr. R. Victor J Ilango  Dr. M. Sivakumar |
|  | Department of Agricultural Chemicals, Bidhan Chandra Krishi Vishwavidyalaya | Dr. Rajib Kumar |
|  | Spices Board, Kochi | Dr. Ramesh Babu |
| 10. | In Personal Capacity | Dr. Simran Jit (New Member) |

**ix) FAD 27/WG X ‘Revision of IS 11380:1985’**

**Scope:** ‘Revise IS 11380: 1985 Methods of sampling for determination of pesticide residues in agricultural and food Commodities’

**Composition:**

CONVENOR – Dr. Shabeer Ahammed T.P (National Research Centre for Grapes, Pune)

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| **Sl. No.** | **Organisation/ Member** | **Representative** |
| 1. | Export Inspection Council of India, New Delhi | Dr. Anoop A. Krishnan |
| 2. | Marine Products Export Developm  ent Authority, Kochi | Dr. Venugopal D |
| 3. | National Dairy Development Board, Centre for Analysis and Learning in Livestock & Food, Anand | Dr. Rajesh Nair |
| 4. | Spices Board India, Kochi | Dr. Ramesh Natarajan |
| 5. | MicroChem Siliker Pvt. Ltd., Mumbai | Dr. Bappa Ghosh |
| 6. | Geo-Chem Laboratories Pvt. Ltd., Mumbai | Dr. Suresh Babu |
| 7. | ICAR-Indian Agricultural Research Institute, New Delhi | Dr. Neethu Narayanan |

**ix) FAD 27/Panel I ‘**Scrutiny of test methods for formulation of Indian Standards under FAD 27’

**Composition:**

1. Dr. K.K. Sharma, Chairman, FAD 27;
2. Dr. P.G Shah, Former Residue Chemist, AAU, Anand;
3. Dr. Anoop Krishnan, EIC; and
4. Dr. Dinesh Kumar, FSSAI
5. Dr. Ranjith A, Spices Board India, Kochi

**4. RESOLUTION FAD 27/ 2024/R-14 – Review of Indian Standards:**

FAD 27 decided to reaffirm all 33 Indian Standards out of 34 Indian due for review. IS 11380 : 1985 ‘Methods of sampling for determination of pesticide residues in agricultural and food commodities’ will be reaffirmed and revised.

**5. RESOLUTION FAD 27/ 2024/15 – Approval for Wide Circulation**

1. FAD 27 decides to circulate the draft standard ‘Method for Determination of Polar Pesticides in Foods or Raw Commodities of Plant Origin by Liquid Chromatography-Triple Quadrupole Mass Spectrometry’ [Doc. No. (25132)] for wide circulation for a period of 60 days.
2. FAD 27 directs FAD 27/Panel VII to compare the research paper on multiresidue method of milk and milk products shared by the Chairperson and incorporate changes in the draft standard. After incorporating any necessary changes based on this comparison, the revised draft will be circulated widely for a period of 60 days after seeking Chairperson’s approval.
3. FAD 27 directs Dr. Shabeer to highlight the changes incorporated in draft revision of IS 11380: 1985 ‘Methods of sampling for determination of pesticide residues in agricultural and food commodities’ placed at Annex X of Agenda and decides to issue the draft for wide circulation for a period of 60 days.

**7. RESOLUTION FAD 27/ 2024/16 – Finalization of the Terms of Reference for the R&D Project**

FAD 27 finalizes TOR ‘Multi-Lab validation of test method for multiresidue analysis of pesticides residue in oils’received from Dr. PG Shah and uploaded on the BIS website for inviting proposals for R&D Project. FAD 27 nominates Dr. JK Dubey and Dr. Anoop Krishnan for evaluation of proposals for R&D Project.

**8. RESOLUTION FAD 27/ 2024/17 – Approval for P Draft Circulation:**

1. FAD 27 directs Dr. J. K. Dubey, Convenor of FAD27/Panel I, to submit a draft on the multiresidue method for pesticide residues in fruits and vegetables within one month. Upon receiving the Chairperson’s approval, the draft will be circulated as a preliminary draft (p-draft) for a period of 21 days for inviting the comments from committee members.
2. FAD 27 decides to take a R&D project on multi-lab validation of the test method. Further, FAD 27 directs Dr. Ajit Dua, Convenor, FAD 27/Panel VI to prepare a TOR on Multi-Lab Validation of test method for multiresidue analysis of pesticides in Honey and Honey products for inviting proposal for R&D Project.
3. FAD 27 directs Dr. Shabeer Ahammed, Convenor, FAD27/Panel IX to finalize the draft on the test method for determination of Glyphosate, its metabolites and related compounds by LC-MS and send to member secretary so that it may be circulated as a preliminary draft (p-draft) for a period of 21 days after seeking Chairperson’s approval.

**9. RESOLUTION FAD 27/ 2024/18 – Draft Standards on Determination of Paraquat and Diquat Herbicide residues in Foods or Raw Commodities of Plant Origin by Liquid Chromatography-Triple Quadrupole Mass Spectrometry**

FAD 27 decides to circulate the draft method on determination of paraquat and diquat herbicide residues in foods or raw commodities of plant origin by liquid chromatography-triple quadrupole mass spectrometry, prepared by FAD 27/Panel IX as a preliminary draft (p-draft) for a period of 21 days for inviting comments from committee members.