**SECTION-IV**

**(*Chemical Engineering)***

**ACADEMIA**

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| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | | Ananth, MS | | 1945 | Thermodynamics and Mathematical Modelling |
|  | | Ayappa, KG | | 1962 | Statistical Thermodynamics; Transport |
|  | | Balakrishnan, AR | | 1950 | Transport Processes, Energy Conservation |
|  | | Bellare, JR | | 1960 | Nanotechnology and Electron Microscopy |
|  | | Chanda, Manas | | 1940 | Polymer Science and Technology, Recycling of Plastic Wastes |
|  | | Chhabra, RP | | 1953 | Non-Newtonian Fluid Mechanics, Multiphase Flows |
|  | | Chopra, SJ | | 1941 | Research & Development; Chemical Engineering |
|  | | Dasgupta, Sunando | | 1962 | Microscale Transport Processes; Membrane Separations |
|  | | De, Sirshendu | | 1967 | Membrane Separation; Transport Phenomena |
|  | | Gogate, PR | | 1975 | Process Intensification; Waste Water Treatment |
|  | | Gaikar, VG | | 1960 | Reaction Separation Processes; Engg. Applications of Surface Active Materials |
|  | | Gandhi, KS | | 1942 | Modelling & Simulation, Polymer Engineering |
|  | | Ghatak, A | | 1971 | Mechanics of soft materials; Adhesion, friction and fracture of soft interfaces |
|  | | Gupta, SK | | 1946 | Polymerisation Engineering; Multi-objective Optimization |
|  | | Joshi, JB | | 1949 | Chemical Engineering; Fluid Mechanics and Reacter Design |
|  | | Joshi, Yogesh | | 1974 | Rheology; Polymer Science and Engineering |
|  | | Juvekar, VA | | 1948 | Interfacial Engineering, Reaction Engineering |
|  | | Khakhar, DV | | 1959 | Chemical Engineering, Polymer Engineering |
|  | | Krishna, R | | 1946 | Mass Transfer and Chemical Reaction Engineering |
|  | | Kudchadker, AP | | 1934 | Education, Computer-Based-Training, Process Engineering |
|  | | Kumar, Rajinder | | 1934 | Multiphase Phenomena |
|  | | Kumaran, V | | 1966 | Chemical Engineering; Fluid Mechanics |
|  | | Kunzru, D | | 1947 | Pyrolysis of Hydrocarbons, Catalysis |
|  | | Madhavan, KP | | 1937 | Process Control, Process Systems Engineering |
|  | | Madras, Giridhar | | 1967 | Catalysis and Polymers |
|  | | Mehra, Anurag | | 1959 | Reaction Engineering; Nanomaterials |
|  | | Misra, Ashok | | 1947 | Polymer Science and Engineering |
|  | | Modak, JM | | 1962 | Biochemical Engineering; Biomineral Technology |
|  | | Mukhopadhyay, SN | | 1945 | Biochemical Engineering, Biotechnology |
|  | | Naik, VM | | 1947 | Materials & Interfacial Science; Chemical Engineering |
|  | | Narasimhan, S | | 1959 | Process Design; Data Analytics |
|  | | Pandit, AB | | 1957 | Multiphase Reactor Design; Cavitation Phenomena |

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| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | | Pant, KK | | 1965 | Heterogeneous catalysis and Reaction Engineering, Waste to Energy and Value-Added Products |
|  | | Patwardhan, AW | | 1972 | Transport Phenomena; Computational Fluid Dynamics |
|  | | Patwardhan, SC | | 1964 | Nonlinear Control Systems; Bayesian State Estimation |
|  | | Rengasamy, R | | 1969 | Process Systems Engineering; Microfluidics |
|  | | Saraf, DN | | 1938 | Process Control; Process Modelling & Optimization |
|  | | Sharma, Ashutosh | | 1961 | Colloids & Interfaces; Nanotechnology |
|  | | Subramaniam, P | | 1961 | Microfluidics and lab on chip applications; Thermodynamic framework to develop novel technologies |
|  | | Suresh, AK | | 1957 | Transport Phenomena, Reaction Engineering |
|  | | Upadhyay, SN | | 1946 | Transfer Processes; Non-Newtonian Fluids |
|  | | Varma, DS | | 1934 | Textile Engineering and Chemical Technology |
|  | | Yadav, GD | | 1952 | Chemical Engineering; Green Chemistry and Engineering |

**R&D**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | | **Name** | | **Year of birth** | | | **Specialization** | | |
|  | | Agarwal, US | | | | 1962 | | | Polymer Science & Engineering; Material Science | | |
|  | | Brahmachari, SK | | | | 1952 | | | Biochemical Engineering and Biotechnology | | |
|  | | Chaudhari, RV | | | | 1948 | | | Catalysis, Chemical Reaction Engineering Catalysis | | |
|  | | Garg, MO | | | | 1954 | | | Petroleum Refining Technologies, R&D Management | | |
|  | | Garg, RK | | | | 1930 | | | Chemical Engineering | | |
|  | | Ghosh, P | | | | 1946 | | | Biochemical Engineering and Biotechnology | | |
|  | | Jasra, RV | | | | 1952 | | | Adsorption Separation; Catalysis | | |
|  | | Karanth, NG | | | | 1946 | | | Biochemical Engineering, Fermentation Technology | | |
|  | | Kumaraswamy, G | | | | 1973 | | | Polymer Science and Engineering; Chemical Engineering | | |
|  | | Kulkarni, MG | | | | 1950 | | | Polymers for Biomedical Application; Supramolecular Polymers | | |
|  | | Lele, Ashish K | | | | 1967 | | | Polymer Science & Engineering | | |
|  | | Mashelkar, RA | | | | 1943 | | | Polymer Science & Engineering | | |
|  | | Nettem, V Choudary | | | | 1956 | | | Adsorptive Separators; Catalysis and Catalytic Processes | | |
|  | | Patwardhan, VS | | | | 1947 | | | Chemical Engineering, Simulation Software Development | | |
|  | | Prakash, V | | | | 1951 | | | Biotechnology, Food Technology | | |
|  | | Prasada Rao, TSR | | | | 1939 | | | Heterogeneous Catalysis, Petroleum Refining and Petro-Chemical Processing | | |
|  | | Raghavarao, KSMS | | | | 1960 | | | Food/Biochemical Engineering | | |
| **S.No.** | | **Name** | | **Year of birth** | | | **Specialization** | | |
|  | | Ramasami, T | | | | 1948 | | | Chemical Technology, Leather Process Technology | | |
|  | | Ranade, VV | | | | 1963 | | | Multiphase Reactor; CFD | | |
|  | | Rao, Jonnalagadda Raghava | | | | 1961 | | | Leather Science and Technology, Environmental Chemistry | | |
|  | | Rao, RMVGK | | | | 1947 | | | Indigenisation of Composite Products for Aerospace/Non-Aerospace Sectors and Applications; Polymer Matrix Composites | | |
|  | | Ratnasamy, P | | | | 1942 | | | Catalysis; Petrochemistry | | |
|  | | Rawat, BS | | | | 1937 | | | Separation Sciences/Technologies, Petroleum Refining | | |
|  | | Reddy, BM | | | | 1957 | | | Catalysis; Chemical Engineering and Technology | | |
|  | | Rode, CV | | | | 1958 | | | Catalysis; Reaction Engineering and Process Development | | |
|  | | Sivaram, S | | | | 1946 | | | Polymer Science, R&D Management | | |
|  | | Tewari, PK | | | | 1955 | | | Desalination & Water Purification; Membrane Technology | | |
|  | | Thyagarajan, G | | | | 1934 | | | Industrial Research, Technology Management | | |
|  | | Varadarajan, S | | | | 1928 | | | Chemical Technology, Biotechnology | | |

**INDUSTRY**

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| --- | --- | --- | --- | --- |
| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | Ambani, Mukesh D | | 1957 | Corporate Management |
|  | Awasthi, US | | 1945 | Project Management, Chemical Engineering |
|  | Bhatnagar, AK | | 1942 | Organic, Fuels and Lubricants |
|  | Deshpande, Ajay Narayan | | 1958 | Process Plant Technology / Design/ Engineering/ Execution for Petroleum Refinery/ Petrochemical/ Oil & Gas Installations; Environmental Engineering |
|  | Dravid, AN | | 1943 | Heat Transfer |
|  | Godrej, Nadir B | | 1951 | Animal Feed; Oleochemicals, Surfactants and Agro Chemicals |
|  | Khilnaney, VK | | 1960 | Design of Complex Isotope Separation Processes; Development and societal applications of ‘Deuterated compounds’ and special materials |
|  | Kulkarni, Ravi | | 1948 | Surface & Interfacial Chemistry; Material Science (Silicone Technology) |
|  | Lal, MB | | 1947 | Oil Refining |
|  | Misra, DP | | 1944 | Project Management; Process Engineering in Chemical Industries |
|  | Modi, Rajiv I | | 1960 | Chemical Engineering; Biological Science |
|  | Mukhopadhyay, R | | 1947 | Polymer Science & Rubber Technology; Chemical Engineering |
|  | Nair, MD | | 1929 | Organic Chemistry, New Drugs Research |
|  | Pandia, RM | | 1949 | Strategy for Chemical Industry; General Management |
|  | Prasad, CR | | 1941 | Project Management; Human Resource Development |
|  | Raut, JS | | 1971 | Soft Matter; Substrate Biophysics and Biomaterials |
|  | Sapre, Ajit V | | 1954 | Reaction Engineering & Catalysis |
|  | Subramaniam, KV | | 1957 | Biotechnology, Corporate Business Development |
|  | Vasudeva, Sudhir | | 1954 | Offshore Oil & Gas Field Development; Management of Mega Projects |
|  | Venkataraman, RS | | 1939 | Process Design and Engineering, Petrochemicals |
|  | Venkataramanan, K | | 1944 | Process Engineering, Engineering Design |

**FOREIGN FELLOWSHIP**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | Agrawal, Rakesh | | 1953 | Chemical Engineering; Energy |
|  | Batterham, Robin John | | 1941 | Chemical Engineering; Innovation Policy |
|  | Bhargava, SK | | 1953 | Advanced Materials; Industrial Chemistry |
|  | Durst, F. J. | | 1940 | Fluid Mechanics |
|  | Fan, Liang-Shih | | 1947 | Chemical Engineering |
|  | Karasz, Frank E | | 1933 | Polymer Materials |
|  | Mitragotri, Samir Suresh | | 1971 | Bioengineering; Chemical Engineering |
|  | Peppas, Nicholas A | | 1948 | Chemical Engineering; Biomedical Engineering |
|  | Ramkrishna, Doraiswami | | 1938 | Chemical Reaction Engineering; Biological Engineering |
|  | Tirrell, Matthew V | | 1950 | Chemical Engineering; Materials Science |
|  | Vora, Bipin V | | 1943 | Process Development-Petrochemical processes; Catalytic dehydrogenation, Alkylation, methanol to olefins |
|  | Wasan, Darsh T | | 1938 | Chemical Engineering; Materials Engineering |

**INAE YOUNG ASSOCIATES ON ROLL**

|  |  |  |
| --- | --- | --- |
|  | Arun, Ravi Kumar | Microfluidics, Lab on Chip Devices, Energy Conversion and Storage: Fuel cells and batteries |
|  | Chatterjee, Abhijit | Chemical Engineering and Biotechnology |
|  | Fathima, N Nishad | Leather Science & Technology |
|  | Gupta, Rakesh | Chemical Engineering, Multiscale Modelling and Nanotechnology |
|  | Jasuja, Kabeer | Nanotechnology |
|  | Kaisare, Niket | Chemical Reaction Engineering and Process Control |
|  | Kulkarni, Amol A | Micorreactors: design, fabrication, modelling and experimentation. Experimental and computational fluid dynamics of chemical process systems. |
|  | Madhan, B | Leather Science & Technology; Biomaterials |
|  | Mangal, Rahul | Active Matter, Polymer Physics, Soft Matter, Rheology |
|  | Pinjari, DV | Chemical Engineering and Technology, Materials Science and Engineering and Nanotechnology |
|  | Ramanathan, Karthik | Chemical Reaction Engineering, Mathematical Modeling of Reaction and Transport Processes, Reaction Kinetics |
|  | Saini, Supreet | Biochemical Engineering |
|  | Seshagiri Rao, A | Process Dynamics and Control |
|  | Srivastava, VC | Industrial pollution abatement, wastewater treatment, multi-component adsorption, desulfurization, statistical design. |
|  | Suryasarathi Bose | Polymer Science and Engineering |
|  | Thanikaivelan, P | Leather Science & Technology |
|  | Toley, Bhushan Jayant | Microfluidics and Point-of-Care Diagnostics |