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| **SECTION-VIII**  **(*Mining, Metallurgical and Materials Engineering)***  **ACADEMIA** |

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| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Basu, B | 1973 | Biomaterials; Engineering Ceramics |
|  | Bhattacharya, BB | 1942 | Exploration Geophysics, Exploration Antarctica |
|  | Bhattacharya, J | 1958 | Reliability and Quality Engineering; Environmental Science & Engineering |
|  | Bhowmick, AK | 1954 | Polymer Science & Engineering |
|  | Chattopadhyay, K | 1950 | Advanced Materials, Phase Transformations |
|  | Chokshi, Atul H | 1958 | Metallurgical & Material Science & Engineering |
|  | Chopra, KL | 1933 | Physics & Technology of Thin Films, Surface and Vacuum Science |
|  | Dwarakadasa, ES | 1941 | Metallurgy, Materials Science |
|  | Ghosh, Ahindra | 1937 | Ironmaking and Steel Making, Thermodynamics and Rate Phenomena |
|  | Jacob, KT | 1944 | Thermodynamics of Materials; Solid State Chemical Sensors |  |
|  | Jayaram, Vikram | 1956 | Materials Science |  |
|  | Kashyap, BP | 1948 | Deformation Behaviour including Creep and Superplasticity; Thermo-mechanical Processing and Microstructural Evolution |  |
|  | Lele, S | 1943 | Physical Metallurgy |  |
|  | Manna, Indranil | 1961 | Materials Engineering, Phase Transformation, Surface Engineering, Bainitic Steel, Nanofluid |  |
|  | Mazumdar, D | 1958 | Steelmaking, Mathematical Modelling |  |
|  | Mitra, Rahul | 1966 | High Temperature Materials; Mechanical Behaviour of Materials |  |
|  | Mukhopadhyay, NK | 1962 | Physical Metallurgy of complex metallic alloys and nanomaterials; Mechanical characterization by micro and nano-indentation |  |
|  | Murty, BS | 1964 | Phase Transformation; Nano Materials |  |
|  | Natarajan, KA | 1942 | Mineral Processing, Biometallurgy |  |
|  | Padmanabhan, KA | 1945 | Mechanical Metallurgy, Metal Forming (Plasticity & Superplasticity) |  |
|  | Pal, AJ | 1960 | Organic Electronics; Organic and Nanophotovoltaics |  |
|  | Panigrahi, DC | 1961 | Subsurface Mine Environmental Engineering; Mining Engineering |  |
|  | Prasad, YVRK | 1944 | Metallurgical Engineering |  |
|  | Raichur, Ashok M | 1966 | Nanotechnology; Biomaterials |  |
|  | Ramamurty, U | 1967 | Mechanical Behaviour of Materials; Fracture & Fatigue |  |
|  | Ranganathan, S | 1941 | Physical Metallurgy and Materials Science |  |
|  | Rao, CNR | 1934 | Materials Science; Solid State Chemistry |  |
|  | Rao, KP | 1950 | Welding; Surfacing |  |
|  | Rao, TC | 1940 | Coal and Mineral Processing |  |
|  | Ravishankar, N | 1970 | Nanomaterials; Electron Microsopy |  |
|  | Ray, RK | 1942 | Physical Metallurgy, Crystallographic Texture |  |
| **S.No.** | **Name** | **Year of birth** | **Specialization** |
|  | Ray, Subrata | 1947 | Metal Matrix Composites; Energy Materials |  |
|  | Samajdar, Indradev | 1964 | Crystallographic Texture; Thermomechanical Processing |  |
|  | Surappa, MK | 1951 | Solidification Processing of Metal Matrix Composites; Tribology of Metal Matrix Composites |  |
|  | Suwas, S | 1969 | Materials Processing; Crystallographic Texture |  |

**R&D**

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| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | Arunachalam, VS | | 1935 | Integrated Materials Design, Infrastructure Technologies & Policy Studies and Energy Systems & Development | |
|  | Balaramamoorthy, K | | 1933 | Quality Assurance/NDT; Nuclear Fuel Fabrication | |
|  | Banerjee, D | | 1952 | Physical Metallurgy | |
|  | Banerjee, Srikumar | | 1946 | Phase Transformations, Physical Metallurgy, Electron Microscopy | |
|  | Barshilia, Harish C | | 1969 | Nanoscience and nanotechnology; Surface engineering | |
|  | Basu, RN | | 1960 | Solid Oxide Fuel Cell; Material Science & Technology | |
|  | Bhaduri, AK | | 1959 | Materials Joining and Hardfacing | |
|  | Bhanu Sankara Rao, K | | 1949 | Mechanical Metallurgy, Physical Metallurgy | |
|  | Bhat, TB | | 1949 | High strength materials; Armour materials | |
|  | Biswal, SK | | 1961 | Mineral Beneficiation; Pelletisation | |
|  | Bose, DK | | 1942 | Process Metallurgy of Refractory & Reactive Metals, Production of Uranium Metal | |
|  | Chattoraj, Indranil | | 1962 | Hydrogen Embrittlement; Localized Corrosion | |  |
|  | Dey, GK | | 1957 | Zirconium based alloys; Electron Microscopy | |  |
|  | Ganguly, C | | 1946 | Plutonium Metallurgy, Nuclear Fuels, Ceramics & Glass | |  |
|  | Ghosh, RN | | 1948 | Physical Metallurgy and Mechanical Metallurgy | |  |
|  | Gokhale, AA | | 1955 | Metallurgical Engineering, Materials Processing |  | |
|  | Gopalan, R | | 1960 | Energy storage materials; Magnetic materials |  | |
|  | Gupta, AK | | 1951 | Hot working of Metals; Materials Engineering |  | |
|  | Gupta, CK | | 1939 | Chemical Process Metallurgy, Processing of Advanced Materials |  | |
|  | Gupta, RN | | 1942 | Rock Mechanics |  | |
|  | Jayakumar, T | | 1955 | Non-Destructive Evaluation; Engineering Failure Analysis |  | |
|  | Joshi, Shrikant V | | 1960 | Surface Engineering; Laser Materials Processing |  | |
|  | Kamat, SV | | 1964 | Mechanical Behaviour of Materials; Thin Films |  | |
|  | Krishnadas Nair, CG | | 1941 | Metallurgical Engineering, Material Science & Engineering |  | |
|  | Krishnan, R | | 1935 | Physical Metallurgy, Material Sciences |  | |
|  | Kumar, Vikas | | 1959 | Metallurgical Engineering; Mechanical Metallurgy |  | |
|  | Kutumbarao, VV | | 1944 | Mechanical Metalurgy, Aluminium Process Metallurgy |  | |
|  | Madhusudhan Reddy, G | | 1963 | Materials Joining & Friction Stir Processing of Materials |  | |
|  | Maiti, HS | | 1947 | Materials Engineering; Glass & Ceramic Engineering |  | |
|  | Malakondaiah, G | | 1951 | Mechanical Metallurgy, Speciality Steels |  | |
|  | Mannan, SL | | 1946 | Mechanical Metallurgy; Materials Development |  | |
|  | Mehrotra, SP | | 1947 | Mineral Processing, Extractive Metallurgy |  | |
|  | Mishra, BK | | 1959 | Particulate Technology; Minerals Technology |  | |
|  | Mudali, U Kamachi | | 1960 | Corrosion; Nuclear Materials |  | |
|  | Mukherjee,Subroto | | 1963 | Plasma Surface Engineering; Plasma Based Biomedical Applications |  | |
|  | Mukhopadhyay, AK | | 1959 | Research Design, Development and Industrial Scale Production of Aluminium Alloy; Physical and Process Metallurgy |  | |
|  | Padmanabham, G | | 1964 | Materials Joining; Laser processing of materials |  | |
|  | Pradip | | 1956 | Mineral Engineering, Particle Science & Technology |  | |
|  | Rama Rao, P | | 1937 | Physical and Mechanical Metallurgy |  | |
|  | Ramachandran, V | | 1932 | Mechanical Metallurgy, Failure Analysis & Accident Investigation |  | |
|  | Ramakrishnan, N | | 1957 | Material Science; Computer Modelling & Simulation |  | |
|  | Ray, SK | | 1947 | Materials Mechanics |  | |
|  | Sharma, SC | | 1962 | High Temperature Materials and Thermal Protection Systems; Advanced Ceramics |  | |
|  | Srikanth, S | | 1960 | Metallurgical Thermodynamics; Extractive Metallurgy |  | |
|  | Srivastava, Dinesh | | 1961 | Fuel Fabrication for Nuclear Power Reactor; Research Studies on Advanced Materials |  | |
|  | Subbarao, EC | | 1928 | Materials Science, R&D Mangement |  | |
|  | Sundararajan, G | | 1953 | Surface Engineering, Plastic Deformation and Fracture |  | |
|  | Tarafder, S | | 1961 | Fracture mechanics; Structural Integrity Assessment |  | |
|  | Venugopal, S | | 1955 | Metal forming; In-Sodium Testing |  | |
|  | Waghmare, UV | | 1968 | Computational Materials Science Engineering; Smart Materials |  | |

**INDUSTRY**

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| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | Banerjee, Shilowbhadra | | 1939 | Metallurgical and Materials Engineering |
|  | Basu, Biswajit | | 1959 | Digital Engineering; Metals and Materials Technology |
|  | Bhattacharjee, D | | 1964 | Metallurgy and Materials Science |
|  | Bhattacharyya,SK | | 1945 | Process Technology, Material Characterisation |
|  | Chatterjee, AK | | 1941 | Materials Science |
|  | Deb, Debashis | | 1960 | Investment Casting; Thermal Barrier Coating |
|  | Gowrishankar, N | | 1944 | Ferrous & Non-ferrous Foundry Technology; Steel Heat Treatment & Surface Engineering |
|  | Irani, JJ | | 1936 | Metallurgy, Management of Industrial Enterprises |
|  | Mohanty, SS | | 1956 | Machine Design; Steel Making and Finishing |
|  | Kapur, PC | | 1935 | Mineral Processing; Particle Science & Technology |
|  | Likhi, DK | | 1960 | Metallurgical Engineering ; Strategic Materials Technology |
|  | Mishra, Sanak | | 1945 | Steel Technology, Materials Science & Engineering |
|  | Mukherjee, T | | 1942 | Metallurgy of Iron & Steel and Plant Management |
|  | Mukherjee, TK | | 1945 | Extraction Metallurgy of Non-ferrous Metals; Mining and separation of heavy minerals and value addition |
|  | Muthuraman, B | | 1944 | Metallurgy, Marketing & Finance |
|  | Narayana Rao, M | | 1955 | Materials Development and Fabrication |
|  | Nerurkar, HM | | 1948 | Metallurgy; Leadership |
|  | Ramaswamy, V | | 1939 | Physical Metallurgy, Materials Science |
|  | Roongta, SK | | 1950 | Metals; Infrastructure/Power |
|  | Sharma, NK | | 1945 | Mining Engineering |
|  | Singh, PK | | 1958 | Metallurgy; Project Management; Quality & Process Control; and Iron Making : BF Technology |
|  | Singhal, LK | | 1943 | Stainless Steel |
|  | Venugopalan, T | | 1952 | Cold and hot rolling process; Steel making |

**FOREIGN FELLOWSHIP**

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| --- | --- | --- | --- | --- |
| **S.No.** | | **Name** | **Year of birth** | **Specialization** |
|  | Bhadeshia, HKDH | | 1953 | Metallurgy; Materials Modelling |
|  | Forssberg, KSE | | 1943 | Mineral Processing |
|  | Fuerstenau, Douglas Winston | | 1928 | Mineral and Particulate Processing; Applied Surface Chemistry |
|  | Gleiter, HD | | 1938 | Nanoscience and Nanotechnology Materials science and Engineering |
|  | Kroning, Michael | | 1944 | Non-Destructive Testing |
|  | Lee, Jae-chun | | 1957 | Hydrometallurgy; Metal Recycling |
|  | Lee, William Edward | | 1958 | Ceramics; Nuclear |
|  | Mahajan, Subhash | | 1939 | Functional Materials; Deformation Behavior of Solids |
|  | Mazumder, Jyotirmoy | | 1951 | Laser Materials Processing; Additive Manufacturing |
|  | Moudgil, Brij Mohan | | 1945 | Particulate processing, Colloid and Surface Chemistry Applied to Mineral & Ceramic Processing, and Advanced Materials |
|  | Nickel, H | | 1930 | High Temperature Alloys and Structural Ceramics; Nuclear & Non-nuclear energy plants |
|  | Ramakrishna, Seeram | | 1964 | Materials Engineering; Nanotechnology |
|  | Rath, Bhakta B | | 1934 | Metallurgy and Materials Science |
|  | Ravindran, C | | 1945 | Near-Net Shape Casting Processes; Light Alloys of Magnesium and Aluminium |
|  | Roos, EJ | | 1945 | Strength of Materials and Materials Science |
|  | Somasundaran, P | | 1939 | Mineral Engineering |
|  | Prof. Subra Suresh | | 1956 | Mechanical Properties of Materials; Cell & Molecular Biomechanics |
|  | Taylor, Kathleen C. | | 1942 | Catalysis; Materials Science & Engineering |
|  | Tummala, Rao R | | 1942 | Electronics and Materials Science |

**INAE YOUNG ASSOCIATES ON ROLL**

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| **S.No.** | **Name** | **Specialisation** |
| 1 | Acharyya, Swati Ghosh | Corrosion Science and Engineering |
| 2 | Balani, Kantesh | Plasma Spraying, Nanomechanics and Nanotribology, Ab-initio computational modeling, Biomaterials |
| 3 | Chakraborty, Poulami | Liquid Metal Corrosion, Materials for Fusion & Advanced Nuclear Reactors |
| 4 | Devi, Pooja | Material Engineering, Sensors, Water and Energy Harvesting Devices |
| 5 | Ghorai, Uttam Kumar | Materials Science & Engineering, Nanoscience & Nanotechnology |
| 6 | Karthikeyan, T | Modeling of Phase Transformation, Diffusion Phenomena, Physical Metallurgy of Fast Breeder Reactor and Fuel Reprocessing Materials |
| 7 | Khandelwal, Mudrika | Nanofibrous Composites |
| 8 | Krishna, KVM | Development of thermo mechanical processing of nuclear engineering components, characterization and modeling of deformation, solid state phase transformation |
| 9 | Kumar, Praveen | Mechanical behaviour of materials with emphasis on electric field and length scale effects |
| 10 | Mandal, Sumantra | Characterization of microstructural evolution during thermo-mechanical processing and materials modeling. |
| 11 | Mukhopadhyay, Amartya | Engineering ceramics and composites,  Materials for electrochemical energy storage |
| 12 | Prasad, MJNV | Mechanical behavior of materials; Creep and Superplasticity; Electrodeposition |
| 13 | Prasad Reddy, GV | Low cycle fatigue, Thermomechanical fatigue, Creep-fatigue interaction and Development of Nuclear structural materials for Fast Reactors, Fusion Reactors and Advanced ultra-supercritical power plants. |
| 14 | Rajulapati, KV | Nanostructured materials, Nanomechanics, Non-equilibrium Processing, Severe plastic deformation |
| 15 | Shukla, Anoop Kumar | Materials Engineering |
| 16 | Srikanth, VVSS | Synthesis, structure-property correlation and functionalization of carbon nanomaterials Nanocomposite materials Non-destructive testing. |
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