Curriculum Vitae

Runcie Paul Mathews

Scientist-D
Birbal Sahni Institute of Palaeosciences
(Under Department of Science & Technology),
53- University Road, Lucknow,
India- 226 007.
Email:runciepaulmathews@gmail.com
rp_mathews@bsip.res.in (official)
Phone: +91 0522 2742930 (Office)
+91 9628247652 (Mobile)

Academic Qualifications

Qualification	Year of Passing	Name of the Institution
PhD	2012	IIT Bombay
M.Sc. Geology	2006	Kerala University Campus, Trivandrum
B.Sc. Geology	2004	Govt. College, Kottayam, Kerala

Current Research Areas

- Paleogene-Neogene floral characteristics and paleobiogeography based on geochemical and microscopic studies.
- Organic matter characterization and utilization potential of western Indian lignites through petrological studies and organic geochemical studies.

PhD

Title: Petrology, Palynology and Organic Geochemistry of Eocene Matanomadh Lignite Bearing Sequence, Kutch Basin, Western India.

Guide: Dr. Suryendu Dutta, Professor, Dept. of Earth Sciences, IIT Bombay.

Areas of Academic Interests

Lignite/Coal Petrology, Organic Geochemistry, Tertiary Palynology, Paleobiogeography, Hydrocarbon Exploration.

Professional/Research Experience

- Scientist-D, Birbal Sahni Institute of Palaeosciences, Lucknow, India (July, 2022 - present).
- Scientist-C, Birbal Sahni Institute of Palaeosciences, Lucknow, India (July, 2018 – June 2022).
- Scientist-B, Birbal Sahni Institute of Palaeosciences, Lucknow, India (January, 2014 – July-2018).
- Scientist-B, Central Ground Water Board, Northern Himalayan Region, Dharamsala, H.P., India (2012-2014).

Memberships/Fellowships of scientific/ professional bodies/ societies/ academies

- Associate Member, 2014 International Committee of Coal and Organic Petrology

Awards/Fellowships

- CSIR-JRF (Research fellowship), UGC-CSIR Examination, December 2006
- UGC-NET (Lectureship), UGC-CSIR Examination, June 2006
- Ranked 2nd in the Kerala University (Credit and Semester), in M.Sc. (Geology), 2006.
- 'C' Certificate from 5 Kerala NCC Naval Unit-Changanassery, Kerala (2004).

Trainings imparted

1. Imparted training (Dissertation) to Ms. ShumailaNafeez M. Sc.Pharmastudent, Lucknow University (Undergoing)
2. Imparted training (Dissertation) to Ms. Reshmi Rajvanshi M. Sc.Chemistry student, Lucknow University (Undergoing)
3. Imparted training (Dissertation) to Mr. Bidhan Chandra Giri M. Sc.Geology student, Tamil Nadu Central University (from 1st Feb – July 31st 2023)
4. Imparted training (Dissertation) to Mr. Rakesh Roshan Das Tamil Nadu Central University (from 1st Feb – July 31st 2023)
5. Imparted summer internshipto Ms. Nivedita Mishra M. Sc.Geology student, Lucknow University (from Dec 1st 2022 – March 31st 2023)
6. Petrogaphical characterization of lignite deposits of Mangrol to Mr. VaibhavJaiswal, M. Tech student, NIT Raipur (from 1st July - August 2021)
7. Imparted summer training on basics in coal petrologyMs. Shalini, M.Sc student, Banasthali University, Rajasthan (from 5th-7th August, 2019).
8. Imparted summer training on Palaeoclimate Variation Based on Biomarker Ratios: Case Study from Lignite Mines of Bikaner-Nagaur Basin, Rajasthan, India to Mr. SisdharthSehkharPradhan, M.Sc student, ISM(IIT), Dhanbad (from 21stJune-20th July, 2019)
9. Imparted summer training on organic geochemical analysis of Coals of Damodar Basin to Ms. SanghamitraPradhan, Ph.D student, Sambalpur University, Odisha(from 11th-25thfebruary, 2019)
10. Imparted training (Dissertation) on petrogaphical characterization of lignite deposits of Bikaner-Nagaur Basin to Mr. Umar Farooq, M.Tech student, IIT (ISM), Dhanbad (from 5th Sept. 2018-26th April, 2019).
11. Training on organic geochemical analysis to Ms. SakshiMaurya (Wadia Institute of Himalayan Geology; from 8th-12th Jan, 2018)
12. Imparted summer training on Petrographical Characterization of the Coal Deposits of Khurja Coal Mine from Sohagpur Coalfield (Madhya Pradesh) India to Mr. Reshav Thakur, M.Sc. student of Applied Geology, Kurukshetra University, Kurukshetra (from 6th-29th June, 2017).
13. Imparted summer training on Petrographic Studies of Coals from Kapildhara Mine, Sohagpur Coalfield (Madhya Pradesh) India to Mr. AnkitRana, M.Sc. student of Applied Geology, Kurukshetra University, Kurukshetra (from 6th-29th June, 2017).
14. Imparted summer training on Basic techniques and applications of coal petrology to Ms. NishthaAgarwal, M.Sc. Geology student, IIT Roorkee (from 1st to 31st January, 2016)

Publications

1. Goswami, S., Pradhan, S., Aggarwal, N., **Mathews, R. P.,** Manoj M. C., Pillai, S.S.K., Pradhan, S. S. 2023. Integrative Study of Permian Coal-Bearing Horizons:

Biostratigraphy, Palaeovegetation, and Palaeoclimate in the South Karanpura Basin. **Environ. Geochem. Health.(impact factor: 4.2)*(Accepted)*.**

2. Pillai, S.S.K., Manoj, M.C., **Mathews, R. P.,** Murthy, S., Sharma, A., Saxena, A., Pradhan, S., Sahoo, M., 2023. Lower Permian Gondwana sequence of Rajhara Colliery, Daltonganj Coalfield (Damodar Basin), Jharkhand, India: implications of marine ingressions and depositional environment. **Environ. Geochem. Health. (impact factor: 4.2)**
3. Shukla, A., Jasper, A., Uhl, D., **Mathews, R.P.,** Chandra K., Singh V.P., Chetia, R., Mehrotra. R.C. Paleo-wildfire signatures revealing co-occurrence of angiosperm-gymnosperm in the early Paleogene: Evidences from woody charcoal and biomarker analysis from the Gurha lignite mine, Rajasthan, India.**International Journal of Coal Geology 265(12):104164.(impact factor: 5.6)**
4. Singh, V.P., Singh, B.D., **Mathews**, **R.P.,** Singh, A., Mendhe, V.A., Mishra, S., Banerjee, M., Palaeodepositional and hydrocarbon source-rock characteristics of Sonari succession (Palaeocene), Barmer Basin, NW India: Implications from petrography and geochemistry **(Natural Resources Research**, **impact factor: 5.4**)
5. Chetia, R., **Mathews,R.P.,** Singh, P.K., Sharma, A., **2022**. Conifer-mixed tropical rainforest in the Indian Paleogene: new testimonies from terpenoid signatures. **Palaeogeography, Palaeoclimatology, Palaeoecology**, **596, 110980 (impact factor: 3**).
6. Singh, V.P., Singh, B.D., **Mathews**, **R.P.,** Mendhe, V.A., Agnihotri, P., Mishra, S., Radhwani, M., Dutta, S., Subramanian, K.A., Singh. H. **2021**. Petro-geochemical characteristics and floral-faunal composition of Valia lignite deposits of Cambay Basin (western India), in relation with palaeoenvironment, palaeoecology, depositional settings and hydrocarbon generation potential. **International Journal of Coal Geology 248, 103866 (impact factor: 5.6)**
7. Patel, R., Goswami; S., Aggarwal, N., **Mathews R.P., 2021.** Lower Gondwanamegaflora, palynoflora and biomarkers from Jagannath Colliery, Talcher Basin, Odisha, India and its biostratigraphic significance. **Geological Journal, 57, 986–1004,** (**impact factor:1.8)**
8. Patel, R., Goswami; S., Aggarwal, N., **Mathews R.P., 2021.**Palaeofloristics of Lower Gondwana exposure in Hingula area, Talcher Basin, Odisha, India: An inclusive study on biomarkers, megafloral and palynofloral assemblages. **Historical Biology, https://doi.org/10.1016/j.jop.2021.07.001 (impact factor: 1.4)**
9. Aggarwal, N., **Mathews**, R.P., Ansari, A.H., Thakur, B., Agrawal. S., **2021**. A combined palynofacies, isotopic and biomarker studies on palaeoenvironmental reconstruction of the Permian strata of the Godavari valley coalfield, south India. **Journal of Palaeogeography, 11, 123-144(impact factor: 2.9**)
10. Kumar, D., Ghosh, S., Tiwari, B., Varma, A.K., **Mathews, R.P.**, Chetia, R**. 2021**. Palaeocene-Eocene Organic Sedimentary Archives of Bikaner-Nagaur Basin, Rajasthan, India: An Integrated Revelation from Biogeochemical and Elemental Proxies. **International Journal of Coal Geology Volume 247, 103848.(impact factor: 5.6)**
11. Chaddha, A. S., **Mathews, R.P**., Kumar, K., Ali, S.N., Phartiyal, B., Manoj. M.C., Sharma A., **2021**.Caves as interim-refugia: chemical signatures of human habitation under extreme environments of Ladakh, NW India.**Journal of Archaeological Science-Reports 36, 102799.** (**Cite score: 2.9)**
12. Murthy, S., Mendhe, V. A., Uhl,D., **Mathews**, **R. P.,** Mishra, V. K., Gautham S., **2021**. Palaeobotanical and biomarker evidence for wildfire in the Early Permian

(Artinskian) of the Rajmahal Basin, India**. Journal of palaeogeography 10, 1-21.(impact factor: 2.9**)

13. Mishra, S., Dutta, S., Singh, V.P., Kumar, S., **Mathews, R.P.**, Jha, N. **2021**. A new Acritarch spike of Leiosphaeridiadessicata comb. nov. emend. from the Upper Permian and Lower Triassic sequence of India (Pranhita-Godavari Basin): Its origin and palaeoecological significance. **Palaeogeography, Palaeoclimatology, Palaeoecology567, 110274. (Impact factor: 3)**
14. Patel, R., Goswami, S. Sahoo, M., Pillai, S. S. K., Aggarwal, N., **Mathews**, **R. P.,** Swain, R. R. Singh, K., Saxena, A. **2021**. Biodiversity of a Permian Temperate Forest: a case study from Ustali area, Ib River Basin, Odisha, India. **Geological Journal, 56, 903-933. (Impact factor: 1.8)**
15. **Mathews,R. P.,** Pillai, S.S.K., Manoj, M. C., Agrawal, S., **2020.** Palaeoenvironmental reconstruction and evidence of marine influence in Permian coal-bearing sequence from Lalmatia Coal mine (Rajmahal Basin), Jharkhand, India: A multi-proxy approach. **International Journal of Coal Geology 224, 103485 (impact factor: 5.6)**
16. Pillai, S.S.K., **Mathews,R. P.,** Murthy, S., Goswami, S., Agrawal, S., Sahoo, M., Singh, R. K., **2020**. Palaeofloral investigation based on morphotaxonomy, palynomorphs, biomarkers and stable isotope from Lalmatia coal mine of Rajmahal Lower Gondwana Basin, Godda District, Jharkhand, India: An inclusive empirical study**. Journal of the Geological Society of India 96,** pp.43-57**(Impact factor: 1.3)**
17. **Mathews,R. P.,** Singh, B.D., Singh, V.P., Singh. A., Singh, H., Shivanna, M., Dutta, S., Mendhe. V.A., **2020.**Organo-petrographic and geochemical characteristics of Gurha lignite deposits, Rajasthan, India: Insights into the palaeovegetation, palaeoenvironment and hydrocarbon source rock potential. **Geoscience Frontiers 11, 965-968, (Impact factor: 8.9)**
18. **Mathews,R. P.,** Chetia, R., Agrawal, S., Singh, B.D., Singh, P. K., Singh, V.P., Singh. A., **2020** Early Palaeogene climate variability based on *n*-alkane composition and stable carbon isotopic composition evidenced from the Barsingsar lignite-bearing sequence of Rajasthan. **Journal of the Geological Society of India 95, 255-262.** (**Impact factor: 1.3)**
19. Ansari A., Ahmad S., Govil P., Agrawal, S. Mathews, R.P. **2020**. Mo-Ni and organic carbon isotope signatures for the mid-late Mesoproterozoic oxygenation. **Journal of Asian Earth Sciences 191, 10420.** (**Impact factor: 3)**
20. Samad, S., Mishra, D., **Mathews**, **R.P.,** Ghosh, S., Mendhe, V., Varma, A. **2020.** Geochemical attributes for source rock and palaeoclimatic reconstruction of the Auranga Basin, India. **Journal of Petroleum Science and Engineering (Geoenergy Science and Engineering) 185, 106665**.
21. **Mathews R.P.**, Singh B.D., Singh V.P., 2018. Evaluation of organic matter, hydrocarbon source, and depositional environment of onshore Warkalli sedimentary sequence from Kerala-Konkan Basin, south India. **Journal of Geological Society of India, 92(4), 407-418.**(**Impact factor: 1.3)**
22. **Mathews R.P.**, Singh B.D., Hukam Singh, Singh V.P. and Alpana Singh 2018. Characterization of Panandhro Lignite Deposits (Kachchh Basin), western India: Results from the Bulk Geochemical and Palynofloral Compositions. **Journal of Geological Society of India 91, pp. 281-289.**(**Impact factor: 1.3)**
23. Singh V.P., Singh B.D., **Mathews R.P.,** Singh A., Mendhe, V.A., Singh, P.K., Misra, S., Dutta S., Mahesh S., Singh, M.P., 2017. Investigation on the lignite deposits of Surkha mine (Saurashtra Basin, Gujarat), western India: Their depositional history and hydrocarbon generation potential. **International Journal of Coal Geology, 183 (2017) 78–99. (impact factor: 5.6)**

24. Singh A., Mahesh S., **Mathews R.P.**, Singh B.D., Singh H., Singh V.P., Dutta S., 2017. Paleoenvironment of Eocene lignite bearing succession from Bikaner-Nagaur Basin, western India: Organic petrography, palynology, palynofacies and Geochemistry. **International Journal of Coal Geology 181, 87–102. (impact factor: 5.6)**
25. Vikram P. Singh, Bhagwan D. Singh, Alpana Singh, Mahendra P. Singh, **Runcie P. Mathews,**SuryenduDutta, Vinod A. Mendhe, S. Mahesh, Subhashree Mishra, 2017. Depositional palaeoenvironment and economic potential of Khadsaliya lignite deposits (Saurashtra Basin), western India: based on petrographic, palynofacies and geochemical characteristics. **International Journal of Coal Geology 71, 223-242. (impact factor: 5.6)**
26. **Mathews R.P.**, Singh B.D., Singh V.P., **2018**.Evaluation of organic matter, hydrocarbon source, and depositional environment of onshore Warkalli sedimentary sequence from Kerala-Konkan Basin, south India. **Journal of Geological Society of India (accepted:JGSI-D-17-00308R1)(impact factor: 1.3)**
27. **Mathews R.P.**, Singh B.D., Hukam Singh, Singh V.P. and Alpana Singh **2018**. Characterization of Panandhro Lignite Deposits (Kachchh Basin), western India: Results from the Bulk Geochemical and Palynofloral Compositions. **Journal of Geological Society of India 91, pp. 281-289.(impact factor: 1.3)**
28. Singh V.P., Singh B.D., **Mathews R.P.**, Singh A., Mendhe, V.A., Singh, P.K., Misra, S., Dutta S., Mahesh S., Singh, M.P., **2017.**Investigation on the lignite deposits of Surkha mine (Saurashtra Basin, Gujarat), western India: Their depositional history and hydrocarbon generation potential. **International Journal of Coal Geology, 183, 78–99.(impact factor: 5.6)**
29. Singh A., Mahesh S., **Mathews R.P.**, Singh B.D., Singh H., Singh V.P., Dutta S., **2017**. Paleoenvironment of Eocene lignite bearing succession from Bikaner-Nagaur Basin, western India: Organic petrography, palynology, palynofacies and Geochemistry. **International Journal of Coal Geology 181, 87–102.(impact factor: 5.6)**
30. Singh, V.P., Singh, B. D, Singh, A., Singh, M.P., **Mathews R.P**, Dutta,S.,. Mendhe, V.A, Mahesh, S., Mishra, S., **2017**. Depositional palaeoenvironment and economic potential of Khadsaliya lignite deposits (Saurashtra Basin), western India: based on petrographic, palynofacies and geochemical characteristics. **International Journal of Coal Geology 71, 223-242.(impact factor: 5.6)**
31. Mahesh S., Singh, A., Singh, B. D., Singh, V.P., **Mathews R.P,** Souza, P.A. **2017.** Peat biomass degradation: Evidence from fungal and faunal activity in carbonized wood from the Eocene sediments of western India. **Palaeoworld26, 531-542. (impact factor: 1.7)**
32. **Mathews R.P** and Singh, B.D. **2016**. Characterization of solid bitumen from Panandhro lignite (western India) based on FTIR and pyrolysis GC-MS investigation. **Current Science 111, 1842-1846.(impact factor: 1)**
33. **Mathews, R.P.**, Tripathi, S.K.M., Dutta, S., Banerjee, S., 2013. Palynology, palaeoecology and palaeodepositional environment of Eocene lignites and associated sediments from Matanomadh mine, Kutch Basin, western India. **Journal of the Geological Society of India 82, 236-248.(impact factor: 1.3)**
34. Dutta. S., **Mathews, R.P.**, Singh, B.D., Tripathi, S.K.M., Singh, A., Saraswati, P.K., Banerjee, S., Mann, U., 2011. Petrology, Palynology and Organic Geochemistry of Matanomadh lignite, Kutch Basin, Western India: Implications to Palaeodeposition and Hydrocarbon Source Potential. **International journal of coal geology 85, 91-102.(impact factor: 5.6)**

35. Dutta, S., Tripathi, S.K.M., Mallick, M., **Mathews, R.P.**, Greenwood, P.F., Rao, M.R., Summons, R.E., 2011. Eocene-out-of-India dispersal of Asian dipterocarps, **Rev. Palaeobot. Palynol. 166, 63-68.(Impact factor: 1.9)**
36. Dutta, S., Mallick, M., **Mathews, R.P.**, Mann, U., Greenwood, P.F., Saxena, R., 2010. Chemical composition and palaeobotanical origin of Miocene resins from Kerala Konkan Coast, western India. **Earth Syst. Sci. 119(5) pp. 711–716.(Impact factor: 1.9)**
37. 12. Dutta, S., Mallick, M., Bertram, N., Greenwood, P.F., **Mathews, R.P**., 2009. Terpenoid composition and class of Tertiary resins from India. **International Journal of Coal Geology 80, 44–50.(impact factor: 5.6)**

Cumulative Impact Factor (as on 20.07.2023):125.3

Citations (as on):572

H-Index (as on):12

Lectures/Keynotes Delivered

1. 'Indian Coal/lignite-bearing Sequences: Palaeoflora, Environments & New Insights' at the International Seminar on "Petroleum Exploration: Scopes, Prospects & Strategies with a Special Anecdote on North East India." on 31 May 2023, Mizoram University.
2. 'Molecular markers as a tool to decipher palaeoenvironment' online lecture on Earth Day, Department of Geology, Government College Kottayam, Kerala. 22th April, 2021
3. Coalification and Biomarkers (invited lecture) at National Workshop on 'Basic Concepts of Coal Petrology', CIMFR, Dhanbad, 18th January, 2021.
4. Petrography of Lignite (invited lecture) at National Workshop on 'Basic Concepts of Coal Petrology', CIMFR, Dhanbad, 19th January, 2021.

Reports

1. **Mathews, R. P.**, Aggarwal, N., Mishra, D., Singh, V. P., Rahi, I. C., Chetia, R., & Kumar, S. (2022). Report of the 73rd Annual Meeting & Symposium of The International Committee for Coal & Organic Petrology (ICCP 2022). **Journal of Palaeosciences, 71(2), 235–238.**

Workshops/Trainings attended

- National Workshop on 'Basic Concepts of Coal Petrology' CIMFR, Dhanbad, 18th January, 2021.
- Seminar on 'Advanced Detection and Separation' organized by Agilent technologies at Sapna Clarks Inn, Lucknow, 4th May, 2019.
- Seminar on 'Advanced Detection and Separation' organized by Agilent technologies at Sapna Clarks Inn, Lucknow, 18th May, 2018.
- 'FTIR microscopy and chemical imaging' organized by Agilent technologies at Manesar facility, Haryana, 23rd June, 2017.

Conferences Attended

1. International Conference on 'Petroleum Exploration: Scopes, Prospects & Strategies with a Special Anecdote on North East India'. Mizoram University (30-31 May 2023).

2. 73rd ICCP meeting, “International Symposium on Recent Trends on Coal Utilization for Sustainable Development and Energy”, 18-25 September, 2022, New Delhi, India.
3. 72nd ICCP meeting, “Coal and Organic Petrology in the Era of Transition from Fossil to Renewable Fuels”, 19 – 25 September 2021 in Prague, Czech Republic (online).
4. NECLIME International Conference on "Neogene Climate Evolution and Biotic Response(s) in South Asia", 7-9 September, 2021 organized by the Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow, India.
5. Third Neogene Climate Evolution in Eurasia (NECLIME) Asian meeting, February 23-27th,2016, Lucknow, India.
6. 67th Annual Meeting of the International Committee for Coal and Organic Petrology.September 5-11, 2015, Potsdam, Germany.
7. National Conference on Paleogene of the Indian Subcontinent. April 23-24, 2015, Lucknow,India.
8. International Conference on Current Perspectives and Emerging Issues in Gondwana Evolution.Feb 19-20, 2015. BSIP, Lucknow.
9. 66th ICCP International Meeting and Symposium, 20-27th Sept. 2014. Science City, Kolkata.
10. GeoIndia 2011, the 2nd South Asian Conference and Exhibition, 12-14th Jan 2011, Greater Noida.
11. National Conference & XXVII Convention of IAS, University of Jammu, 2010, Jammu.
12. AAPG Annual Convention and Exhibition, Denver, Colorado, USA. June 7-10, 2009.
13. National Conference & XXVII Convention of IAS, M.S. University, 2008, Baroda.
14. GeoIndia 2008, the 1st South Asian Conference and Exhibition, Dec 2008, Greater Noida.

Conferences abstracts

1. Deveshwar P. Mishra, Srikanta Murthy, Vikram P. Singh, Runcie P. Mathews, Anurag Kumar, Dieter Uhl, BindhyachalPandey. Palaeobotanical and Geochemical Evidences for Permian-Triassic Transition from Talcher Coalfield, Son-Mahanadi Basin, India: New Insights into the Age, Palaeovegetation and Palaeoclimate. International Association for Gondwana Research 2023 Convention and 20th International Conference on Gondwana to Asia , Niigata, Japan 07-12 October 2023 (Abstract accepted).
2. Chetia R., **Mathews, R.P.** Distinct plant-derived terpenoid suites from two important sedimentary basins of northwestern India.International Conference on ‘Petroleum Exploration: Scopes, Prospects & Strategies with a Special Anecdote on North East India’. Mizoram University (30-31 May 2023).
3. Chetia, R., **Mathews, R.P.,** Yadav, P., Hazra, B., Singh, P.K.Evaluation of Organic Matter in the Palana Formation Based on FT-IR Spectroscopy and Conventional Methods of Optical Microscopy and Rock-Eval. 73rd ICCP meeting. “International Symposium on Recent Trends on Coal Utilization for Sustainable Development and Energy”, 18-25 September, 2022, New Delhi, India.
4. **Mathews, R.P**., Singh, V.P., Singh, B.D., Sharma, A., Rahi, I.C. &Chetia, R. Petrographical and Geochemical Composition of Lignite and Associated Sediments from Giral Mine, Rajasthan, Western India. 73rd ICCP meeting, “International Symposium on Recent Trends on Coal Utilization for Sustainable Development and Energy”, 18-25 September, 2022, New Delhi, India.

5. Suraj Kumar, Vikram P. Singh, **Runcie Paul Mathews**, Srikanta Murthy, S. Suresh Kumar Pillai and Manoj M.C.Organic Petrographic and Palaeofloristic composition: Implications on environment and depositional settings from Ashoka Mine, North Karanpura, Damodar Basin, India.73rd ICCP meeting, “International Symposium on Recent Trends on Coal Utilization for Sustainable Development and Energy”, 18-25 September, 2022, New Delhi, India.
6. **Mathews, R.P.,**Chetia, R., Singh V. P., Organic geochemical and petrographical characteristics of Jalipa lignite of Barmer Basin, Rajasthan India. 72nd ICCP meeting, “Coal and Organic Petrology in the Era of Transition from Fossil to Renewable Fuels”, 19 – 25 September 2021 in Prague, Czech Republic.
7. Chetia, R., **Mathews, R.P**., Singh. P. K. Lipid Biomarker Analysis on the Sediments of a Lignite-Bearing Succession. Goldschmidt 2021 Abstract Https://Doi.Org/10.7185/Gold2021.3619. Virtual Online meet (4-9 July).
8. **Mathews, R.P**., Singh V. P., Chetia, R.,, Singh, B.D., Singh, A., Mendhe, V.A. Organic petrographic and geochemical characterization of Neyveli Lignite deposits (Cauvery Basin), Tamil Nadu, India: Insights into the source flora, depositional environment and hydrocarbon generation potential. international NECLIME Conference on "Neogene Climate Evolution and Biotic Response(s) in South Asia", 7-9 September, 2021 organized by the Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow, India.
9. Sahoo, M., Goswami, S., Aggarwal, N., **Mathews, R. P.** Floristic Analysis Based on Morphotaxonomy, Palynomorphs and Biomarkers from a Lower Gondwana Outcrop of Talcher Basin, Odisha, India. XXVII Indian Colloquium on Micropaleontology and Stratigraphy (ICMS-XXVII), November 04-04, 2019, BHU, Varanasi.
10. Sahoo, M., Goswami, S., Aggarwal, N., Mathews, R.P. A Comprehensive Study on Biomarkers, Palyno and Megafloral assemblages along a rivulet section near Kumunda Village, Angul District, Talcher Basin, Odisha, India. 3rd National Geo Research Scholars Meet, 2019. Dehradun, India.
11. S. Suresh Kumar Pillai, Mathews, R.P., Murthy, S., Goswami, S., Agrawal, S., Singh, R.K. Palaeofloral investigation based on morphotaxonomy, palynomorphs, biomarkers and stable isotope from Lalmatia coal mine of Rajmahal Lower Gondwana Basin, Goddar District, Jharkhand, India: An inclusive empirical study. International Congress on Carboniferous and Permian, 2019, Cologne, Germany.
12. Shreya Mishra, SuryenduDutta, Singh V. P., Mathews, R.P., Kumar, S. 2019. New operculateacritarch from Southern India: Implications to its origin and significance. International Congress on Carboniferous and Permian, Cologne, Germany.
13. Singh, B.D., Mathews, R.P., Singh V. P., Verma, P., Singh, A., Mendhe, V.A., Mishra, S., Dutta, S., Shivanna, M. Organic composition, depositional environment, and hydrocarbon source potential of the lignite deposits from Sonari mine, Barmer Basin (Rajasthan), north-western India: petrographical, palaeopalynological and geochemical approaches. 70th Annual Meeting of the International Committee for Coal and Organic Petrology. September 23-29, 2018, Brisbane, Australia.
14. Singh, B. D., Singh, V.P., Mathews, R.P., Singh, A., Dutta, S., Singh, M.P., Mendhe, V. A., Mahesh S. 2016. Petrography and Geochemistry in relation to depositional conditions and hydrocarbon potential of Surkha lignite deposits (Saurashtra Basin),

western India. TSOP-AASP-ICCP joint meeting, Houston, Texas USA, Sept.18-23. P: 108.

15. Singh, V.P, Singh, B.D., Singh, M..P., Singh, A., Mahesh, S., Mathews, R.P, Dutta, S., Mandhe V.A., Mishra, S. 2016. Investigation of lignite deposits from Saurashtra Basin, Gujarat: their depositional history and hydrocarbon potential in western India. National Geo-Research Scholars Meet. p: 146.
16. Mathews, R.P, Singh, V.P., Singh, B.D., 2016. Characterization of Miocene-Pliocene Onshore Warkalli Sedimentary Sequence (Kerala-Konkan Basin, South India), based on Organic Geochemical and Visual Kerogen Data. 3rd Neogene Climate Evolution in Eurasia (NECLIME). p:34d
17. Mathews, R.P., Singh, H., Singh, V.P., Singh, B.D., Singh, A., 2015. Organic composition and palaeoenvironment of Valia Lignite Deposit (Cambay Basin), Gujarat, western India: inferences from palynology and petrography. 67th Annual Meeting of the International Committee for Coal and Organic Petrology. September 5-11, 2015, Potsdam, Germany p. 117
18. Mathews, R.P., Alpana Singh, S. Mahesh, V.P. Singh, B.D. Singh, SuryenduDutta, 2015. Hydrocarbon Potential and Depositional Conditions of Gurha Lignite Deposits (Bikaner Basin), Rajasthan, Western India. National Conference on Paleogene of the Indian Subcontinent. April 23-24. p.67.
19. Singh, A., Mathews, R.P., Singh, H., Singh, B.D., Dutta. S., 2015. Geochemical, Palaeopalynological, and Petrographical Features of Gurha Lignite (Rajasthan), western India: An insight into the Palaeovegetation. 67th Annual Meeting of the International Committee for Coal and Organic Petrology. September 5-11, Potsdam, Germany p. 58
20. B.D. Singh, Singh, A., Saxena, A., Jha, N., Mathews, R.P. 2015. Petrographic Facies in Lower Gondwana of Peninsular India: An assessment from Singrauli Coal Field (Son Valley). International Conference on Current Perspectives and Emerging Issues in Gondwana Evolution. Feb 19-20,. BSIP, Lucknow.
21. Singh, A., Mahesh, S., Singh, B.D., Mathews, R.P. Singh, H., Singh V.P., Dutta. S., 2014. Petrography, Palynology, Palynofacies and Organic Geochemistry of Matasukh Lignite Deposits (Rajasthan), Western India: An Insight into the Organic Composition, Depositional Environment and Hydrocarbon Potential. 66th ICCP International Meeting and Symposium, 20-27th Sept. Kolkata.
22. Mathews, R.P., Singh, B.D., Singh, A., Dutta, S., 2014. Bulk Organic Geochemical and Petrographical Evaluation of the Eocene Panandhro Lignite Deposits (Kachchh Basin), Western India. 66th ICCP International Meeting and Symposium, 20-27th Sept. Kolkata.
23. Mathews, R.P., Dutta, S., Banerjee, S., 2009. Organo-geochemical characteristics of Kutch Lignites and carbonaceous shales and its application in source rock evaluation. AAPG Annual Convention & Exhibition, Denver, USA, p. 138.