

Curriculum Vitae of Prof. H.K.Sahoo



1. **Name** - Prof. H.K.Sahoo
2. **Qualification** - M.Sc.Ph.D.(Utkal University)
3. **Specialization** – Economic Geology, Hydrogeology, Geochemistry, Environmental Geology
4. **Positions held** –
 - A. Teaching experience – 45 years (As Lecturer, Reader and Professor) Professor of Geology from Dec., 1999 to March 2014),
 - B. Visiting Professor from 2014 ..Continuing
 - C. Research experience – 49 years
 - D. UGC Emeritus Fellow from February, 2015 to January,2017
 - E. Head, Dept. of Earth Science, Sambalpur University for six years
 - F. Head, Dept. of Geology, Utkal University for four and half years
 - G. Members of Senate, Academic Council, Board of Studies in Geology of Utkal, Sambalpur and Berhampur Universities of Odisha in different times

5. Publications

A. Publications in Journals/Seminar proceedings(Total 116)

1. Sahu, J.K., **Sahoo, H.K.** and Sahoo, S.(2026) Assessment of groundwater vulnerability for irrigation use in coastal blocks of Jagatsinghpur district, Odisha, India in International Journal of engineering Research & Technology (IJERT), V. 15(1), pp. 1 – 18.
2. **Sahoo, H.K.** (2026) Hydrogeochemical appraisal of a hard rock terrain in western part of Odisha, India in Vistas in Geological research, Special Publication in Geology (Vol.22), ISBN No. 978-93-5692-788-9, pp.154 – 163.
3. Barik, P.K., Mahanta, N. and **Sahoo, H.K.** (2025): Geospatial distribution and quality assessment of groundwater for irrigation purpose in a part of Balasore district, Odisha in “Vistas in Geological research”, Special Publication in Geology, Vol.21, ISBN No. 978-93-342-2448-1, pp. 63-70
4. Subbarao, N.S., Das, R., **Sahoo, H.K.** and Gugulothu, S. (2024) Hydrochemical characterization and water quality perspectives for groundwater management for urban development: in groundwater management for sustainable development, V.24, **Elsevier**, pp. 1 – 16.
5. Mahanta, M., Ojha, M., **Sahoo, H.K.** and Goswami, S. (2023) Appraisal of nature of groundwater in parts of Kalahandi district of Odisha, India in “Vistas in Geological research”, Special Publication in Geology, Vol.19, ISBN No. 978-93-5813-109-3, pp. 126 - 133.
6. Barik, P.K., Mahanta, N. and **Sahoo, H.K.** (2023) Heavy metal pollution and its indexing approach in premonsoon groundwater of Baliapal Block, Balasore district, Odisha, India, in Vistas in Geological research, Special Publication in Geology, Vol.19, ISBN No. 978-93-5813-109-3, pp. 207 - 215.
7. Bakhara, B., Mahanta, M. and **Sahoo, H.K.** (2023) Hydrogeochemical characterization and irrigation quality assessment of groundwater in Puintala Block of Balangir district, Odisha, in Vistas in Geological research, Special Publication in Geology, Vol.19, ISBN No. 978-93-5813-109-3, pp. 231 - 240.
8. Subbarao, N.S., Das, R., **Sahoo, H.K.** and Gugulothu, S. (2023) Nitrate contamination in groundwater and its health implications in a semi-urban region of Tirtol Block, Jagatsinghpur district, Odisha, India, in Physics and chemistry of the earth, **Elsevier**, pp.1 - 15

9. Mahanta,N., Mishra,I., Hatoi,A., Mahanta, P.S., **Sahoo,H.K.** and Goswami, S. (2020) Geochemical appraisal of groundwater qualities and its uses in and around Maneswar Block of Sambalpur district, Odisha, India, *Environmental Earth Sciences*, 79(1),5
10. Mahanta,N., Hatoi, A.,**Sahoo, H.K.** and Goswami, S.(2020) An integrative geospatial and hydrogeochemical analysis for assessment of drinking water quality of Golamunda block, Kalahandi district, Odisha in *VISTAS IN GEOLOGICAL RESEARCH*,Special Publication in Geology (Vol.18), pp.106 – 114.
11. **Sahoo,H.K.** and Routray,K.(2020) Chemical characterization and potability analysis of groundwater of Rairakhol subdivision, Sambalpur district, Odisha in *VISTAS IN GEOLOGICAL RESEARCH*,Special Publication in Geology (Vol.18), pp.88- 94
12. Das, A.K.;Mahanta,N., Das,P. and **Sahoo,H.K.**(2020)Groundwater quality assessment using GIS in Pallahara, Angul district, Odisha in *VISTAS IN GEOLOGICAL RESEARCH*,Special Publication in Geology (Vol.18), pp.80- 87
13. Das, A.K.;Mahanta,N.;**Sahoo, H.K.** and Goswami,S.(2019) Assessment of physico-chemical status of groundwater samples of Pallahara block, Angul district, Odisha, India in *VISTAS IN GEOLOGICAL RESEARCH* (ISBN: 978-93-5351-340-5)Special Publication in Geology (Vol.17), pp.75- 79
14. Majhee,R.;Mahanta,N.;**Sahoo,H.K.** and Goswami,S.(2019) Hydrogeological frame work and groundwater assessment of Keonjhar and Patna blocks, Keonjhar district, Odisha, India in *VISTAS IN GEOLOGICAL RESEARCH* (ISBN: 978-93-5351-340-5)Special Publication in Geology (Vol.17), pp.65- 74
15. Mishra, N.K. and **Sahoo,H.K.**(2019) Geochemistry and genesis of travertinedeposit near Pradhanpat water fall of Deogarh, Deogarh distric, Odisha in *VISTAS IN GEOLOGICAL RESEARCH* (ISBN: 978-93-5351-340-5)Special Publication in Geology (Vol.17), pp.44- 47
16. Routray,K.;**Sahoo,H.K.**and Dash,S.K. (2019)Chemical Characterization of Ground Water in the Rairakhol Subdivision of Sambalpur District, Odisha and Their Genesis in *VISTAS IN GEOLOGICAL RESEARCH* (ISBN:978-93-5351-340-5)Special Publication in Geology (Vol.17), pp.38- 43
17. Sahu, J.K , Das, P.P., **Sahoo,H.K.**, Mohapatra, P.P. and Sahoo,S.(2018) Geospatial analysis and hydrogeochemical investigation of a part of southern Mahanadi delta, Odisha, India, in *Himalayan Geology*, Vol. 39 (1), pp. 92-100.
18. **Sahoo,H.K.** and Routray,K. (2018)Hydrogeological studies of Rairakhol area, Sambalpur district, Odisha in *VISTAS IN GEOLOGICAL RESEARCH*(ISBN: 81-900907-0-4),Special Publication in Geology (Vol.17), pp.118- 126
19. Das,P.P., **Sahoo,H.K.**, Mohapatra,P.P.,Goswami,S. and Pattanayak,J.K.(2018) A review of saline influences on coastal Mahanadi deltaic aquifers in *VISTAS IN GEOLOGICAL RESEARCH*(ISBN: 81-900907-0-4),Special Publication in Geology (Vol.16), pp.24 – 34
20. Das,P.P., Mohapatra, P.P., **Sahoo,H.K.** and Goswami,S.(2017) Spatial Variation and Source of Nitrate in Groundwater of Coastal Kendrapara Aquifer System, Odisha, India in *Vistas in Geological Research*, U.U. Special Publication in Geology (15), pp.111-117
21. Das,P.P., Mohapatra, P.P., **Sahoo,H.K.** and Goswami,S.(2017)Groundwater Fluoride Contamination in Mahakalapara Block, Odisha, India: A Geospatial Perspective in *Vistas in Geological Research*, U.U. Special Publication in Geology (15), pp.227-230
22. Das,P.P., Mohapatra, P.P., **Sahoo,H.K.** and Goswami,S.(2016) A geospatial analysis of fluoride contamination of groundwater in Paradeep area, Odisha, India in *Environmental Geochemistry* (ISSN 0972-0383), Vol.19, No.1&2, pp. 11-14
23. Mahanta,N. and **Sahoo,H.K.**(2016) Hydrogeochemical characterization and potability studies of Kuchinda-Bamra area in Sambalpur district, Odisha, India, in *Environmental Geochemistry* (ISSN 0972-0383), Vol.19, No.1&2, pp. 19-24.
24. Das,P.P., **Sahoo,H.K.**, and Mohapatra, P.(2016) Assessing the effects of regional tectonic activity on groundwater flow in a coastal aquifer in India, *Environmental Earth Sciences*(Springer) 75: 1331
25. Mishra, R.L. Jayagondaperumal, R. and **Sahoo, H.K.**(2016) Active tectonics of Dikrong Valley, northeast Himalaya, India: Insight into the differential uplift and fold propagation from river profile analysis, *Himalayan Geology*, Vol. 37 (2)
26. Das,P.P., **Sahoo,H.K.**, and Mohapatra, P.(2016)Hydrogeochemical evolution and potability evaluation of saline contaminated coastal aquifer system of Rajnagar, Odisha, India: A geospatial perspective *J. Earth Syst. Sci.*, DOI 10.1007/s12040-016-0721-y, Indian Academy of Sciences
27. Mishra,R.L., Singh, I., Pandey, A., Rao, P.S., **Sahoo, H.K.** and Jayagondaperumal, P. (2016) Paleoseismic evidence of a giant medieval earthquake in the eastern Himalaya, *Geophysical research journal*(An AGU journal) doi: 10.1002/2016GL068739

28. **Sahoo,H.K.** and Sahoo,S.K.(2016)Potability analysis of groundwater of Bargarh – Barpali area, Bargarh district, Odisha in Vistas in Geological Research, UU Special publication in Geol, Vol.14, pp.73 – 82.
29. Das,P.P., **Sahoo,H.K.**, and Mohapatra, P.(2016)Elevated concentration of phosphate in the groundwater in coastal Kendrapara district, Odisha : a geospatial analysis in Vistas in Geological Research, UU Special publication in Geology, Vol.14, pp.83 – 89
30. Das, P.P., **Sahoo, H.K.** and Mohapatra,P.P.(2015)An Integrative Geospatial and Hydrogeochemical Analysis for the Assessment of Groundwater Quality in Mahakalapara Block, Odisha, India, in Environmental Earth Sciences,(Springer) 75(2), 1-18, 10.1007/s12665-015-5012-4
31. Panda,S.R.,**Sahoo, H.K.** and Panda,,B.K.(2015) Physicochemical properties and thermal behavior of quartzite of Bhikampali, Jharsuguda district, Odisha for refractory use in Environmental Geochemistry , Vol.18, No.1&2, pp. 51-58
32. Mahanta Nandita and **Sahoo, H.K.**(2015) Hydrogeological Studies and Groundwater Resource Assessment in Kuchinda-Bamra Area of Sambalpur District, Odisha in Recent advances in mineral development and environmental issues, Ed. M.Das, P.P.Singh, H.K.Sahoo,B.K.Mohapatra and B.M.Faruque,Capital Publishing company, pp. 152 – 163
33. Kar,D.K. and **Sahoo, H.K.**(2015) Hydrogeochemical Evaluation and Groundwater Pollution Studies in parts of Sukinda Mining Area in Jajpur District of Odisha in Recent advances in mineral development and environmental issues, Ed. M.Das, P.P.Singh,H.K.Sahoo,B.K.Mohapatra and B.M.Faruque, Capital Publishing company, pp. 164 – 177.
34. Das,P.P.; **Sahoo, H.K.**; Mohapatra, P.P.(2015) Seasonal Variation in Groundwater Hardness along Coastal Kendrapara District, Odisha, India: A Geospatial Perspective in International Journal of Emerging Technology and Advanced Engineering, V. 5, No. 7, pp. 132 – 138.
35. Das,P.P.; **Sahoo,H.K.**; Mohapatra, P.P.(2015) Premonsoonal spatial distribution of groundwater hardness: A case study in Mahakalpara block, kendrapara district, Odisha, India in International Journal of Latest Technology in Engineering, Management and Applied Sciences(IJLTMAS), V. IV, No. 1, pp.10 – 14
36. Das,P.P. and **Sahoo,H.K.**(2015) Hard water regimes during premonsoon period in Rajnagar block, Odisha, India: A geospatial analysis by Geographic information system in International Journal of Research in Engineering and Technology, V.4, No.1, pp. 1 - 8
37. **Sahoo, H.K.** and Swain, S.P.(2015)Hydrogeochemical evaluation of Kujang area of Jagatsinghpur district, Odisha in Vistas in Geological Research(ISBN:81-900907-0-4), UU Special publication in Geology, Vol.13, pp.101 – 106
38. **Sahoo,H.K.** and Sahoo, S.K.(2015)Hydrogeology of Bargarh-Barpali area of Bargarh district, Odisha in Vistas in Geological Research(ISBN:81-900907-0-4), UU Special publ. in Geol, Vol.13, pp.107 – 112
39. Das,P.P.; **Sahoo,H.K.**; Mohapatra, P.P. and Shukla, N.K.(2015) Premonsoonal hard water regimes along coastal Kendrapara district: A spatial interpolation by Geographic Information system in Vistas in Geological Research(ISBN:81-900907-0-4), UU Special publication in Geology, Vol.13, pp.199 – 208
40. Nayak,K.M. and **Sahoo,H.K.**(2014) Hydrogeochemical evaluation of Mahanga Block, Cuttack district, Odisha in Journal of Geosciences and Geomatics, Vol. 2, No. 5A, pp.16-21(Nov.14)
41. Das,P.P. and **Sahoo,H.K.**(2014) A geospatial evaluation of SRTM DEM for representative groundwater sampling of Rajnagar block, Odisha, India in International Journal of Emerging Technology and Advanced Engineering, V.04, No. 11, pp. 95-103.(Nov.2014)
42. Das,P.P. and **Sahoo,H.K.**(2014) Designing representative groundwater sampling of Mahakalpara block, Odisha: A comprehensive hydrogeologic analysis by GIS approach, in International Journal of Latest Technology in Engineering, Management and Applied Sciences(IJLTMAS), v.III, No. X, pp.63 – 68(Oct,2014)
43. **Sahoo,H.K.**(2013) Hydrogeochemistry and quality assessment of ground water in the Balangir subdivision of Balangir district, Odisha, in International Journal of Earth Science and Engineering, Vol.6, No.4 , pp.596-605
44. Naik, A.K. and **Sahoo, H.K.**(2013) Delineation of Potential Groundwater Zones in the Drought-Prone Panposh Subdivision in Sundargarh District, Odisha Using Remote Sensing Data in International Journal of Earth Science and Engineering, in Vol.6, No. 6(2), pp. 1718 - 1723
45. Shukla, N.K.; **Sahoo,H.K.** and Acharya,S.(2013) Geological, Hydrogeological and Hydrochemical Attributes of the Coastal Aquifers of Odisha, India, in International Journal of Earth Science and Engineering, Vol.6, No.5(1), pp.1174 – 1184.

46. Sahoo, U.N., **Sahoo, H.K.** and Panda, B.K.(2013)Effect of Particle Size of Zircon of Chhatrapur – Gopalpur Area on the Thermo-Mechanical Properties of Magnesite - Zircon Refractory, in International Journal of Earth Science and Engineering, Vol.6, No.3,pp. 475 - 482
47. Dash, S.K. and **Sahoo,H.K.**(2013) Hydrogeochemical Evaluation of Groundwater in Khordha Subdivision, Odisha, India in International Journal of Earth Science and Engineering, Vol.6, No.1, pp. 96 – 106.
48. Naik,A.K. and **Sahoo,H.K.**(2013) Hydrogeological Characteristics of Panposh Subdivision, Odisha in Vistas in Geological Research(ISBN:81-900907-0-4), UU Special publication in Geol., Vol.12, pp.80 – 85
49. Mahanta,N. and **Sahoo,H.K.**(2012)Remote Sensing Studies in Delineating Hydrogeological Parameters in the Drought-prone Kuchinda-Bamra Area in Sambalpur district, Odisha in International Journal of Earth Science and Engineering, Vol.5, No.6, pp. 1578 – 1583.
50. Mahanta,N. and **Sahoo,H.K.**(2012) Assessment of groundwater quality for irrigation in the tribal dominated area of Kuchinda – Bamra in Sambalpur district, Odisha in International Journal of Earth Science and Engineering, Vol.5, No.5, pp. 1229 – 1234.
51. Sahoo,U.N., Das,P.K., Mishra,B., Panda,B.K. and **Sahoo,H.K.**(2012) Mode of formation of beach sand deposits and characterization of zircon in Gopalpur – Chhatrapur area of Odisha in Journal of Environmental Geochemistry, Vol.15, No.2, pp. 31-35.
52. **Sahoo, H.K.** and Mishra Banirajan(2012) Hydrogeochemistry of Kendrapara town and its adjoining areas in Kendrapara district, Odisha, India in Journal of Environmental Geochemistry, Vol.15, No.1, pp. 15-20.
53. Kar, D.K. and **Sahoo, H.K.**(2012) Hydrogeochemical evaluation and ground water pollution studies around Kalinganagar industrial complex, Jajpur district, Odisha in Journal of Environmental Geochemistry, Vol.15, No.1, pp. 25-30.
54. **Sahoo,H.K.** and Naik,A.K.(2012)Groundwater resources and its management in the drought-prone area of Panposh subdivision in Sundargarh district, Odisha in Vistas in Geological Research(ISBN:81-900907-0-4), UU Special publication in Geology, Vol.11, pp.32 – 40.
55. **Sahoo,H.K.** and Sahu Susmita(2012)Hydrogeochemical evaluation of Khordha town and its adjoining areas in Khordha district of Odisha in Vistas in Geological Research(ISBN:81-900907-0-4), UU Special publication in Geology, Vol.11, pp.41 – 49.
56. Nayak, K. M. and **Sahoo, H. K.**(2011)Assessment of Groundwater Quality in Tangi-Choudwar and Cuttack blocks of Cuttack district, Orissa, India in International Journal of Earth Science and Engineering, Vol.4, No.6,pp.973-985.
57. Mishra,D.K. and **Sahoo, H.K.**(2011) Groundwater quality evaluation of unconfined aquifers of Bhuban Block, Dhenkanal district, Orissa, India, Journal of Environmental Geochemistry, Vol.14, No.1, pp.1-10.
58. Shukla, N.K., **Sahoo, H.K.** and Acharya,S.(2011) Saline-Fresh Interface in the Coastal Belt of Orissa, North of Mahanadi River, India in International Journal of Earth Science and Engineering, Vol.4, No.5,pp.819-830.
59. **Sahoo, H.K.** and Naik, Ashok Kumar (2011) Suitability of groundwater for irrigation and industrial purposes in drought prone Panposh subdivision of Sundargarh district, Orissa - in Vistas in Geological Research, V.10.,pp.99 – 107.
60. **Sahoo,H.K.**(2011) Groundwater pollution due to urbanization with special reference to Orissa in Vistas in Geological Research, V.10.,pp.165 – 171.
61. Shukla, N.K., **Sahoo,H.K.** and Acharya,S.(2010) Assessment of groundwater quality of the coastal aquifers, north of Mahanadi river, Orissa in Journal of Environmental Geochemistry, Vol.12, No. 1 and 2, pp. 1 – 10.
62. **Sahoo,H.K.** and Mohapatra, P. (2010)Degradation of quality of groundwater in Paradeep area, Jagatsinghpur district, Orissa in International Journal of Earth Sciences and Engineering, Vol. No. 03, no.1 pp. 56 – 61.
63. **Sahoo, H.K.** and Das Rashmirekha (2010) Assessment of groundwater quality in Tirtol area, Jagatsinghpur district of Orissa in Vistas in Geological Research, V.9., pp.33 – 38.
64. Nayak, K. and **Sahoo, H.K.** (2009)Suitability of groundwater for irrigation in Tangi-Choudwar block, Cuttack district,Orissa in Vistas in Geological Research, V.8.,pp.38–44.
65. Panda, S. R., Sahoo, U. N.,Sahu, P., Panda,B. K. and **Sahoo,H. K.**(2009) Low temperature sintering of Salem magnesite for application in refractories in Vistas in Geological Research, V.8.,pp.93 – 97.
66. Sahoo, U.N., Panda,S.R.,Mishra,B.,Panda,B.K. and **Sahoo,H.K.**(2009) .Studies on beach sand deposits of Gopalpur- Chhatrapur area, Orissa with special reference to zircon, in Vistas in Geological Research, V.8.,pp.162 – 165.

67. Pattanaik, A.K. and **Sahoo, H.K.**(2008) Interpretation of Hydrogeochemical Parameters of Lakhanpur Block, Jharsuguda District, Orissa – A Statistical Approach. In *Vistas in Geological Research*, Vol.7, pp.160 – 164.
68. Panda, S. R., Panda, B. K., and **Sahoo, H. K.** (2008) Mineralogical and Chemical Evaluation of Quartzite of Bhikampali, Jharsuguda District of Orissa. In *Vistas in Geological Research*, Vol.7, pp.27 – 30.
69. Nayak,K., **Sahoo,H.K.** and Harijan,N.(2008) Hydrogeochemistry of Cuttack City with special reference to hydrogeochemical facies. In *Vistas in Geological Research*, Vol.7, pp.170 – 175.
70. **Sahoo, H.K.** and Singh,T.(2007)Hydrogeology and hydrogeochemistry of the area around Rajgangpur, Sundargarh district, Orissa (with T.Singh) in *Vistas in Geological Research*, Vol.6, pp.92-100.
71. Jena,J.K., Verma, P.K.and **Sahoo,H.K.**(2007) A statistical approach to evaluate the chemistry and quality of groundwater in Jamankira area, Sambalpur district, Orissa, India, in *Jour. of Nepal Geological Society*, Vol.35, pp.43-50.
72. Sahu,P.C. and **Sahoo,H.K.**(2006)Targetting groundwater in tribal dominated Bonai area of drought-prone Sundargarh district, Orissa, India – A combined geophysical and remote sensing approach in *Journal of Human Ecology*, Vol.20, No.2, pp. 109 – 115.
73. **Sahoo, H.K.**(2006)Petrochemistry of clastic member associated with Banded iron formation of Gandhamardan hill, Keonjhar district, Orissa, in *Indian Journal of Geochem.*Vol.21, No.2. pp 401 – 411.
74. Dash,S.K. and **Sahoo,H.K.**(2006) Predictions of some groundwater quality parameters of the Sundargarh town and its surrounding areas, Orissa, India – a statistical approach, *Geospectrum-Interface*, Vol.I, No.1, pp.21-26.
75. **Sahoo, H.K.**(2006) Remanent magnetic properties of banded hematite jasper and iron ores of Gandhamardan area, keonjhar district, Orissa and their implications in the iron ore genesis, in *Vistas in Geological Research*, Vol.5, pp. 110 – 116.
76. Jena,J.K.,Verma,P.K. and **Sahoo,H.K.**(2006) Integration of Remote Sensing and Resistivity data base for evaluation of water-bearing formations and quality of groundwater in jamankira area of Sambalpur district, Orissa,India in *Pakistan Journal of Geographic Information system* Vol.1, No. 1
77. **Sahoo,H.K.** and Behera,B.(2005)Hydrogeochemical evaluation of coastal areas in parts of Ganjam district, Orissa with special reference to saline water contamination, in *Vistas in Geological Research*, Vol.4, pp.92 -103.
78. Pattanaik,A.K. and **Sahoo,H.K.**(2004) Study of pollution potential of groundwater in the area around Brajrajnagar, Jharsuguda district, Orissa in *Vistas in Geological Research*, Utkal Univ. spl. pub in *Geology*, No.3, pp. 118 - 125.
79. Mishra,N,K. and **Sahoo,H.K.**(2004) Cluster analysis of hydrogeochemical data of Deogarh area,Orissa in Sambalpur Univ. *Jour. of Sc. & Tech.*, Vol. XVI(B),pp..21 - 26.
80. Dash,S.K. and **Sahoo,H.K.**(2003) Targetting groundwater using IRS -IA data - Misc. Pub. No.18 by Geological Association and Research Centre, Balaghat, pp.1 – 8.
81. Dash,S.K. and **Sahoo,H.K.**(2003)Pollution potential studies of groundwater around two mining areas in Orissa in *Indian Jour. of Environ. & Ecoplan*, Vol. 7(2), pp. 353-358.
82. Mishra,N,K. and **Sahoo,H.K.**(2003)Evaluation of groundwater quality in and around Deogarh, Orissa in *Indian Journal of Environmental Protection*, Vol.23(6), pp. 667 – 672.
83. **Sahoo,H.K.**(2003)Hydrogeochemistry of groundwater of the area around Pallahara, Angul district, Orissa, in *Sambalpur Univ.Jour. of Sc.& Tech.*, Vol XIV & XV, pp.36- 42.
84. Mishra,N,K. and **Sahoo,H.K.**(2003)Hydrogeochemical study of Nowrangpur town, Orissa in *SGAT Bulletin*, Vol. 4, No.I, pp. 13 – 21.
85. Dash,S.K. and **Sahoo,H.K.**(2002) Groundwater budgeting in the western part of Sundargarh district in *Indian Jour of Environmental protection*, Vo1.22, No.7, pp. 772-778.
86. Pattanaik,A.K. and **Sahoo,H.K.**(1999)Nature or occurrence of groundwater and its quality in Burla town of Sambalpur dist. In *Indian Journal of Environmental Protection*, Varanasi, Vol No. 19, No 9.pp.669-673.
87. Dash,S.K. and **Sahoo,H.K.**(1999)Quality assessment of groundwater in a part of Sundargarh district ,Orissa in *Indian Journal of Enviommmental Protection*, Varanasi, Vol 19, No 4.pp.273-278.
88. Mishra,N,K. and **Sahoo,H.K.**(1999)Petrology of quartzite of Iron Ore Group of Deogarh in Sambalpur, University *Jour. of Science and Tech.* Vol.XI, pp.34-37.
89. Mishra,N,K. and **Sahoo,H.K.**(1998)Geochemical characterisations of metabasics of Deogarh in *Indian Jour. of Geology*, Vo1.70, No 4,pp.321-328.
90. Mishra,N,K. and **Sahoo,H.K.**(1997)Petrogenesis of granites of Deogarh, Orissa in *Vistas in Geological Research*, U.U.Special Publication in *Geology-2*, pp 69-76.

91. Pattnaik,A., Sahoo,H.K. and B.K.Sinha(1997) Groundwater quality and its relation to lithology of Sambalpur town, Orissa in Indian Journal of Environmental protection, Varanasi, Vol.17,No 6, pp 415-420.
92. Das, A.K. and **Sahoo,H.K.**(1995)Geochemical characterisation of Keonjhar granite, Orissa in Vistas in Geological Research, Prof S.Acharya Felicitation Volume, U.U.Special Publication in Geology-I, pp 115-121.
93. Mishra,N,K. and **Sahoo,H.K.**(1995) Petrography and geochemistry of Banded Iron Formation of Deogarh, Orissa in Vistas in Geological Research, Prof S.Acharya Felicitation Volume, U.U.Special Publication in Geology-I, pp 27-31.
94. Mishra,N,K. and **Sahoo,H.K.**(1994) Geochemical characters of granites of Deogarh area, Sambalpur district,Orissa in Indian Jour. of Geology,Vol.66,No.3,pp. 190- 197.
95. **Sahoo,H.K.** and Das,A.K.(1993)Geochemistry of the volcanic rocks of Doanra-Urumunda area, west of Gandhamardan hill, Keonjhar dist.,Orissa in Indian Jour. of Geology, V.65,No.1,pp.44-51.
96. **Sahoo,H.K.**(1991)Geochemical and genetic aspects of pyrophyllite deposits of Keonjhar, Orissa- in Sambalpur Univ. Jour. of Sc. and Tech. Vol. X, Silver Jubilee Vol.,Section II, Physical Sciencespp.51- 57.
97. **Sahoo,H.K.** and Acharya,S.(1990)Lithostratigraphy of the iron ore bearing and associated rocks of Gandhamardan hill and adjoining area in Keonjhar dist.,Orissa in Indian Jour. of Geology, Vol.62, No.4, pp.226-232.
98. **Sahoo,H.K.**(1989) Banded Iron Formation and iron ores of Gandhamardan hill, Keonjhar dist.,Orissa in Sambalpur University. Jour. of Science and Tech. Vol.X, pp. 84-92.
99. **Sahoo,H.K.**(1987) Pollution of Groundwater, in Paribesa, Journal of the Utkal Environmental Consciousness Society, Special issue on Water Resources, 1987,pp.46 – 49.

Publications in Seminar Proceedings as Full papers(Total - 17)

1. **Sahoo, H.K.(2013)** Groundwater resources and its quality in the drought-prone western parts of Odisha in Selected topics in Earth System Sciences, Proc. of the Earth System Sciences of 99th session of Indian Science Cong. Published by M.P.Council of Sc. & Tech.(ISBN No. 81-910108-0-2), pp.87– 96.
2. **Sahoo,H.K.** and Ojha,S.P.(2013)Hydrogeochemistry of Keonjhar, Keonjhar district, Odisha, India, in Selected topics in Earth System Sciences, Proc. of the Earth System Sciences of 99th session of Indian Science Congress, Published by M.P.Council of Science and Technology, Vol.II, pp.66 – 69.
3. **Sahoo, H.K. (2012)** Effects of Urbanization on Hydrogeology and Hydrogeochemistry: Case Studies from Indian Urban Centres, Proc. Vol. of DST-PURSE and UGC-DRS Seminar on “Geoenvironmental issues and climate change” organized by P.G.Department of Geol. held on 3 March,2012, pp. 30 – 44.
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10. **Sahoo, H.K.** and Paul,A.K. (2003) Groundwater quality in the eastern part of Balangir district,Orissa in the Proc. of the National Seminar on the "Assessment and management of water resources" organized

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16. **Sahoo, H.K.**(1992)Geochemistry and genesis of the Iron ore of Gandhamardan hill, Keonjhar dist., Orissa.,PP Volume, National workshop on Applied Mineralogy, RRL,Bhubaneswar on 30th and 31st January,1992, pp. EG 4. I -4.14.
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B. Publication as Abstracts – Total – 69

C. Books – Co-author in books - 4

Books having chapters – 3

Books Edited – 17

D. Number of Research Scholars successfully guided for Ph.D.(Awarded-21)

Sl No.	Name	Title of thesis	Year of award
1	Dr.N.K. Mishra	Banded iron Formation and associated rocks around Deogarh, Sambalpur District, Orissa, India- their stratigraphy, petrography, geochemistry and petrogenetic evolution. (Sambalpur University)	1993
2	Dr.A.K. Das	Basic intrusives and volcanic rocks in the Keonjhargarh-Suakati area, Keonjhar district, Orissa, India – their petrography, geochemistry and petrogenetic evolution. (Sambalpur University)	1996
3	Dr.Sudhir K. Dash	Hydrogeological studies of Groundwater in the western part of Sundargarh district, Orissa, India. (Sambalpur University)	1999
4	Dr.P.C. Sahu	Hydrogeological studies in the Bonai subdivision of Sundargarh district, Orissa, India. (Sambalpur University)	2004
5	Dr.A.K. Pattanaik	Hydrogeochemical studies of groundwaters in the district of Jharsuguda, Orissa, India. (Sambalpur University)	2004
6	Dr.S.D. Nanda	Precambrian of the area around Balrampur near Balibandh, Keonjhar district, Orissa, India- their stratigraphy, petrography, geochemistry, and petrogenetic evolution. (Utkal University)	2006
7	Dr.S.K. Sahoo	Geology-hydrogeology of Bargarh- Barpali area of Bargarh district, Orissa, India, with special reference to petrography, geochemistry and hydrogeochemistry. (Sambalpur University)	2009
8	Dr.A.K. Naik	Hydrogeological studies of the Panposh subdivision in Sundargarh district of Orissa, India. (Sambalpur University)	2009
9	Dr.K. Routray	Hydrogeology of the Rairakhol subdivision in Sambalpur district of Orissa (Sambalpur University)	2010

10	Dr.N. Mahanta	Hydrogeological investigation of Kuchinda – Bamra area, Sambalpur district, Orissa, India (Utkal University)	2012
11	Dr.N.K. Shukla	Geological and hydrogeological evaluation of the coastal aquifers of Orissa with special reference to the northern part of the Mahanadi delta(Utkal Univ.) with Prof.S.Acharya as other guide	2012
12	Dr.J.K. Sahu	Hydrogeological investigation of a part of Jagatsinghpur district, Orissa, India with special reference to hydrogeochemistry (Utkal University)	2012
13	Dr.B.R. Mishra	Hydrogeology and hydrogeochemistry of western part of Kendrapara district with special reference to delineation of freshwater aquifer and saline water intrusion(Utkal University)	2013
14	Dr.D.K. Kar	Environmental assessment of water quality due to mining and industrial activities in Sukinda, Daitari and Kalinganagar areas in Jajpur district, Orissa(Utkal University)	2013
15	Dr.K.M. Nayak	Hydrogeochemical evaluation of eastern part of Cuttack district, Orissa, India(Utkal University)	2013
16	Dr.D.K. Mishra	Hydrogeological studies of Bhuban and adjoining areas of Dhenkanal district, Orissa, India with reference to environmental assessment of water quality(Utkal Univ.)	2013
17	Dr.P.P. Das	Hydrogeology of eastern part of Kendrapara district with special reference to spatial water quality variation and saline water influence(Utkal Univ.)	2015
18	Dr.S.K. Dash	Hydrogeochemical study of Khurdha subdivision of Khurdha district of Orissa with special reference to influence of saline water(Utkal Univ.)	2016
19	Dr.U.N. Sahoo	Geological studies on beach sand deposits of Ganjam district, Orissa with special reference to zircon and its application in refractory industries (Utkal Univ.), The co-supervisor is Dr.B.K.Panda.	2016
20	Dr.S.R. Panda	Study of quartzite deposits of Bhikampali, in Jharsuguda district of Orissa, India with special Reference to their petrological and geochemical characteristics and study of their thermomechanical behaviour of silica bricks produced from them(Utkal Univ.), The co-supervisor is Dr.B.K.Panda.	2017
21	R.L. Mishra	Palaeoseismic investigations along the Himalayan Frontal thrust(HFT) between the meizoseismal zones of the 1934 Bihar-Nepal and 1950 Tibet-Assam earth quake, North Eastern Himalaya (Utkal Univ.)(with Dr.R.J. Perumal,WIHG as the other guide)	2017

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