

Curriculum Vitae

04th May 2005

Name : Mehmet Keskin (Assist. Prof. Dr.)
Magmatic Petrology – Geochemistry, Volcanology.

Birth date : 24 October 1962

Nationality : Turkish.

Address : Istanbul Universitesi, Mühendislik Fakültesi, Jeoloji Mühendisligi Bölümü,
34850 Avcilar / Istanbul-TURKEY

Tel : +90 212 473 70 70 / 17887 (Office)
Fax : +90 212-591 19 97
E-mail : keskin@istanbul.edu.tr

Abbreviated Curriculum Vitae

Dr. Mehmet Keskin graduated from Istanbul University, Department of Geological Engineering in 1984 and joined the department as a research assistant in 1986. He did his MSc degree on the tectonic evolution of an accretionary complex (Misis-Andirin complex) in the Eastern Taurus belt, SE Turkey. In 1988 he won a scholarship from the Ministry of Education and left for the UK to pursue his academic training in Geological Sciences. He completed his PhD under the supervision of Prof. Dr. Julian A. Pearce at the University of Durham in the UK, specializing on magmatic-petrology and geochemistry, with special reference to collision-related volcanism. Prior to joining the Department of Petrography and Mineralogy at Istanbul University, from 1992-1993 he did tutorials with first year Durham students on computer literacy courses. Dr. Keskin has been teaching at Istanbul University, the Department of Geological Engineering, Division of Petrography and Mineralogy since 1997.

Research interests

Magmatic petrology and geochemistry
Collision and extension-related volcanism
Petrologic modeling of magmatic processes
Volcanic processes

I. Educational background

- 1990-1994 **PhD**: University of Durham, Department of Geological Sciences, UK.
Thesis title: “*Genesis of Collision-Related Volcanism on the Erzurum-Kars Plateau, NE Turkey*”. 358 p.
Supervisors: Dr. Julian A. PEARCE and Dr. Dave HIRST.
- 1989 **English Language learning course**: Newcastle Upon Tyne, UK, Language Center, 6 months.
- 1989 **English Language learning course**: Middle East Technical University, Department of Foreign Language Education, Ankara/Turkey, TOEFL prep class. 5 months.
- 1984-1986 **Master of Science (MSc)**: Istanbul University, Department of Geological Engineering, Mineralogy-Petrography Division, Istanbul/Turkey.
Thesis title: “*Geology of the Misis-Andirin complex around Andirin, Kahramanmaraş, SE Turkey*”.
Supervisor: Prof. Dr. Yücel YILMAZ.
- 1980-1984 **Bachelor of Science (BSc)**: Istanbul University, Department of Geological Engineering, Mineralogy-Petrography Division, Istanbul/Turkey. Honor degree.
Thesis title: “*Geology of the area around Çaybaşı village, Tosya-Kastamonu, NW Turkey*”.
Supervisor: Prof. Dr. Yücel YILMAZ.

II. Work experience

- 1998- present Assistant Professor, Istanbul University, Faculty of Engineering, Department of Geological Engineering, Division of Mineralogy-Petrography.
- 1996-1997 Research Assistant, Istanbul University, Faculty of Engineering, Department of Geological Engineering, Division of Mineralogy-Petrography.
- 1995-1996 English Language Teacher, Lieutenant, Technical Noncommissioned-Officer Preparation (Military) High School, Balıkesir, Turkey, during the compulsory Military Service in the Turkish Army.
- 1992-1993 Instructor for Computer Literacy courses, University of Durham, Department of Geological Sciences.
- 1986-1988 Research Assistant, Istanbul University, Faculty of Engineering, Department of Geological Engineering, Division of Mineralogy-Petrography.

III. Publications

A. Articles in journals

- 2003 **Keskin, M.** Magma generation by slab steepening and breakoff beneath a subduction-accretion complex: An alternative model for collision-related volcanism in Eastern Anatolia, Turkey, *Geophysical Research Letters*, 30(24), 8046, doi:10.1029/2003GL018019.
- 2003 **Keskin, M.**, Ustaömer, T. and Yenyol, M. Stratigraphy, petrology and tectonic setting of Upper Cretaceous volcano-sedimentary units, North of Istanbul, Turkey, Symposium on the Geology of Istanbul, 23-35, (In Turkish).
- 2002 **Keskin, M.** FC-Modeler: a Microsoft® Excel® spreadsheet program for modeling Rayleigh fractionation vectors in closed magmatic systems, *Computers & Geosciences*, V. 28/8, pp. 919-928 (OCT/2002).
- 1999 Ustaömer, P.A., Apak, R., **Keskin, M.**, Ersoy, S., Özen, S. and Orbay, N. Relative evaluation system of student performance and related educational reforms in the Faculty of Engineering, Istanbul University, In *Engineering Education in the Third Millenium*, G. Saglamer, A. Melezinek & S. Incecik (Eds.), Band 2, pp. 1103-1106.
- 1998 **Keskin, M.**, Pearce, J.A. and Mitchell, J.G. Volcano-stratigraphy and geochemistry of collision-related volcanism on the Erzurum-Kars Plateau, North Eastern Turkey, *Journal of Volcanology and Geothermal Research*, V.85/1-4, pp. 355-404.
- 1998 **Keskin, M.** Partitioning of trace and Rare Earth elements between K-feldspars and melt, *Earth Science Review of Istanbul University*, V. 11, s. 103-112. (In Turkish with an extended summary in English).
- 1998 **Keskin, M.** Volcano-stratigraphy of collision-related volcanic units on the Erzurum-Kars Plateau and evolution of volcanism in the light of new K/Ar age determinations, NE Anatolia, Turkey, *Bulletin of the Mineral Research and Exploration Institute of Turkey*, V. 120, pp. 121-134. (In Turkish).
- 1996-1997 **Keskin, M.** Volcano-Stratigraphy, Geochemistry and petrologic modeling of magma chamber processes of a collision-related volcanic succession on the Pasinler Plateau; the Erzurum-Kars Plateau, NE Anatolia, Turkey, *Earth Science Review of Istanbul University*, V. 10, pp. 59-77. (In Turkish with an extended summary in English).
- Keskin, M.**, Tüysüz, O. and Ustaömer, T. Mixing of magmas derived from lithospheric and asthenospheric mantle sources during the opening of the Black Sea and its tectonic significance: geochemical evidence from the Late Cretaceous volcano-sedimentary units in Western Pontides, Turkey, *in preparation*, approximate page volume: 30-35 pages.
- Keskin, M.**, Genç, S.G. and Tüysüz, O. Geochemical characteristics of Eocene volcanism around the Çankırı Basin, North Central Anatolia, *in preparation*, approximate page volume: 25 pages.

Keskin, M., AFC-Simulator: a Microsoft® Excel® spreadsheet program for modeling assimilation combined with fractional crystallization process, *in preparation*, approximate page volume: 15 pages.

B. Published contributions to academic conferences

- 2004 **Keskin, M.**, Genç, S.C. and Tuysuz O., Tectonic Setting and petrology of collision-related Eocene volcanism around the Cankiri Basin, North Central Turkey, 32nd IGC Florence 2004 - Scientific Session: 291-37 (part 2), p. 1299.
- 2004 Genç, S.C, Tuysuz, O. and **Keskin, M.** Collision-related middle Eocene magmatism of the Armutlu Peninsula, NW Anatolia, 32nd IGC Florence 2004 - Scientific Session: 291-13 (part 2), p. 1294.
- 2003 **Keskin, M.**, Ustaömer, T. and Yenyol, M. Stratigraphy, petrology and tectonic setting of Upper Cretaceous volcano-sedimentary units, North of Istanbul, Turkey, Symposium on the Geology of Istanbul, 23-35, (In Turkish).
- 2002 **Keskin, M.** “The delamination model: Geochemical and petrologic evidence from collision-related volcanic units of the Eastern Anatolia, Turkey”, *International workshop on the tectonics of Eastern Turkey and the Northern Arabian Plate in Erzurum, Turkey*, pp. 16-17.
- 2002 **Keskin, M.** Petrologic modelling of the magmatic processes to reveal magma plumbing in Eastern Anatolian collision zone, the Erzurum-Kars Plateau, NE Turkey, *Workshop on the Geology of Eastern Anatolia at Van Yuzuncu Yil University, Van-Turkey*, 2-6 September 2002, 32 (Poster presentation in Turkish).
- 2001 **Keskin, M.**, Genç, S. C. and Tüysüz, O., “Geochemical characteristics of collision-related Eocene volcanism around the Cankiri Basin, North Central Turkey”, *4th International Turkish Geology Symposium in Adana, Turkey*, p. 105.
- 2001 **Keskin, M.** and Tüysüz, O. “Genesis of the rift volcanism and basin formation related to the opening of the Black Sea during Late Cretaceous, Western Pontides, Turkey”, EUG11 in Strasbourg, France, *Journal of Conference Abstracts*, Vol. 5, p. 732.
- 2001 **Keskin, M.** and Tüysüz, O. “Interaction between magmas derived from diverse lithospheric and asthenospheric sources during the opening of the Black Sea, Western Pontides, Turkey”, *4th International Turkish Geology Symposium in Adana, Turkey*, p. 119.
- 2001 **Keskin, M.** and Ustaömer, T. “Stratigraphy and geochemistry of Cretaceous volcano-sedimentary units in the North of Istanbul: development of a volcanic rifted margin, Western Pontides, Turkey”, EUG11 in Strasbourg, France, *Journal of Conference Abstracts*, Vol. 5, p. 732.
- 2001 Ustaömer, T. and **Keskin, M.** “Continental margin arc versus volcanic rifted margin: geochemical evidence for tectonic setting of late Cretaceous

- volcanogenic sequence, Istanbul, NW Turkey”, *4th International Turkish Geology Symposium in Adana, Turkey*, p. 117.
- 1999 **Keskin, M.** and Pearce, J.A., “Genesis, timing and magmatic evolution of collision-related volcanism on the Erzurum-Kars plateau and its implications for melting and catastrophic delamination of mantle lithosphere, NE Turkey”, EUG10 in Strasbourg, France, *Journal of Conference Abstracts*, Vol. 4, no: 1, p. 694.
- 1999 **Keskin, M.** and Tüysüz, O., “Geochemical evidence for nature and evolution of the rift volcanism related to the opening of the Black Sea, central Pontides, Turkey”. EUG10 in Strasbourg, France, *Journal of Conference Abstracts*, Vol. 4, no: 1, p. 816.
- 1999 **Keskin, M.**, Ustaömer, T. and Yenyol, M., “Volcanism associated with extension at a consuming margin, W Pontides, N Turkey”, EUG10 in Strasbourg, France, *Journal of Conference Abstracts*, Vol. 4, no: 1, p. 841.
- 1999 Tüysüz, O., **Keskin, M.**, and Sunal, G., “The opening of Western Black Sea Basin”, *Geological and Geophysical research in Turkish Seas: Workshop V in Ankara, Turkey, Extended Abstracts*, pp. 59-64.
- 1995 Pearce, J.A., **Keskin, M.**, Serri, G. and Innocenti, F. “Tectonic significance of volcanism related to arc-continent collisions”. *EOS*, V. 76, p. 602.
- 1994 **Keskin, M.**, Pearce, J.A., Kempton, P.D. and Greenwood, P. “Trace element and isotope systematics of collision-related volcanism on the Erzurum-Kars Plateau, NE Turkey”. IAVCEI, *International Volcanological Congress in Ankara, Turkey*, p. 9.
- 1993 **Keskin, M.** “Volcano-stratigraphy and geochemistry of collision-related volcanism on the Erzurum-Kars Plateau, NE Turkey”. EUG7 in Strasbourg, France, *Terra Abstracts*, V. 5, p. 582 (in English).
- 1992 **Keskin, M.** “Collision-related volcanism on the Erzurum-Kars Plateau, NE Anatolia, Turkey”. *1st International Turkish Geology Symposium abstracts*, at Keele University, U.K., p. 38.
- 1992 **Keskin, M.** “Geochemical characteristics of the collision-related volcanism on the Erzurum-Kars Plateau”. *45th Turkish Geology Congress in Ankara, Turkey*, p. 49 (In Turkish).

C. Unpublished Project Reports

- 2003 Genç, S. C., Tüysüz, O., **Keskin, M.** and Isseven, T. “Palaeo-magnetism and petrology of the Eocene magmatic province around Armutlu Peninsula, NW Anatolia”, *Report submitted to the Turkish Scientific Research Institute (TUBITAK)*, Project no: 102Y032. 36 p., (in Turkish).
- 2003 Genç, S. C., Tüysüz, O. and **Keskin, M.** “Petrology and genesis of the volcanic units around Corum, Amasya and Cankiri, North Central Turkey”, *First report submitted to Istanbul Technical University Research Fund*, Project no: 1350, 94 p., (in Turkish).

- 2002 **Keskin, M.** “The relative grading system and the statistical evaluation of the grades at Istanbul University”, *A report submitted to the Istanbul University Research Fund*, Project no: GP-18/07032000, 65 p., (in Turkish).
- 2001 **Keskin, M.**, Ustaömer, T. and Yenyol, M. “Petrology, tectonic setting and genesis of volcanism in the North of Istanbul and around Bosphorus”, *Final Report submitted to the Istanbul University Research Fund*, Project no: 1145/010598, 123 p., (in Turkish).
- 1999 Tüysüz, O., **Keskin, M.**, Natal’in, B., Sunal, G., “Geology of the Eastern border of the Istanbul Zone, Western Pontides”, *Final Report submitted to the Turkish Petroleum Company (TPAO)*, (in Turkish).
- 1999 Tüysüz, O., **Keskin, M.**, Sunal, G., Tari, U., “Formation of the Western Black Sea Basin”, *Final Report submitted to the Turkish Scientific Research Institute (TUBITAK)*, Project no: YDABCAG-590/6, 218 p., (in Turkish).
- 1993 **Keskin, M.** “Sr, Nd, Pb and O isotope systematics of collision-related volcanic units of NE Anatolia region, Turkey”, *A short report submitted to Natural Environment Research Council (NERC) Isotope Geoscience Laboratories, Nottingham, U.K.* (In English).
- 1990 Yilmaz, Y., Gürpınar, O., Genç, S.C., Bozcu, M., Yilmaz, K., Seker, H., Yigitbas, E., **Keskin, M.** “Geology of the Armutlu Peninsula and surrounding areas”, *Final report submitted to Turkish Petroleum Company*, No: 2796, 210 p., (in Turkish).
- 1989 Yilmaz, Y., Gürpınar, O., Genç, S.C., **Keskin, M.**, Bozcu, M., Yilmaz, K. “Geology of the Armutlu Peninsula and southern areas, Volume: 2, Stratigraphy”, *A report submitted to the Turkish Petroleum Company*, 49 p., (in Turkish).
- 1988 Yilmaz, Y., Gürpınar, O., Genç, S.C., **Keskin, M.**, Bozcu, M., Yilmaz, K. “Geology of the Armutlu Peninsula and southern areas, Volume: 1, Stratigraphy”, *A report submitted to the Turkish Petroleum Company*, 45 p., (in Turkish).
- 1987 Yilmaz, Y., Gürpınar, O., Gül, M.A., Kozlu, H., Yildirim, M., Yigitbas, E., Genç, S.C., **Keskin, M.** “Geology of the North of Maras (Engizek-Berit-Nurhak-Binboga-Andirin Mountains), Structure and Tectonic evolution, Volume III”, *Final report submitted to the Turkish Petroleum Company*, No: 2028, 97 p., (in Turkish).
- 1987 Yilmaz, Y., Gürpınar, O., Gül, M.A., Kozlu, H., Yildirim, M., Yigitbas, E., Genç, S.C., **Keskin, M.** “Geology of the North of Maras (Engizek-Berit-Nurhak-Binboga-Andirin Mountains), Stratigraphy, Volume II”, *A report submitted to the Turkish Petroleum Company*, No: 2028, 45 p., (in Turkish).
- 1985 Yilmaz, Y., Gürpınar, O., Gül, M.A., Kozlu, H., Yildirim, M., Yigitbas, E., Genç, S.C., **Keskin, M.** “Geology of the North of Maras (Engizek-Berit-Nurhak-Binboga-Andirin Mountains), Volume I”, *A report submitted to the Turkish Petroleum Company*, No:2028, 161 p., (in Turkish).

IV. Citations

Five citations given to **Keskin, M.** (2003). Magma generation by slab steepening and breakoff beneath a subduction-accretion complex: An alternative model for collision-related volcanism in Eastern Anatolia, Turkey, *Geophysical Research Letters*, 30(24), 8046, doi:10.1029/2003GL018019.

5. Citing authors: Ilbeyli, N. and Pearce, J.A. (2005).
Citing title: Petrogenesis of Igneous Enclaves in Plutonic Rocks of the Central Anatolian Crystalline Complex, Turkey,
Citing source: *International Geology Review*, Vol. 47, 2005, (in press).
4. Citing authors: Ilbeyli, N. (2004).
Citing title: Field, petrographic and geochemical characteristics of the Hamit alkaline intrusion in the Central Anatolian Crystalline Complex, Turkey ,
Citing source: *Turkish Journal Of Earth Sciences*, 13 (3): 269-286, SEP-DEC 2004.
3. Citing authors: Vannucci, G., Pondrelli, S., Argnani, A., Morelli, A., Gasperini, P. and Boschi, E. (2004).
Citing title: An atlas of Mediterranean seismicity,
Citing source: *Annals of Geophysics*, 47 (1): 247-306 Suppl. S, FEB 2004.
2. Citing authors: Gök, R., Sandvol, E., Türkelli, N., Seber, D. and Barazangi, M. (2003).
Citing title: Sn attenuation in the Anatolian and Iranian plateau and surrounding regions, *Geophys. Res. Lett.*,
Citing source: *Geophysical Research Letters*, 30(24), 8042, doi:10.1029/2003GL018020.
1. Citing authors: Şengör, A.M.C., Özeren, S., Genç, T. and Zor, E. (2003).
Citing title: East Anatolian high plateau as a mantle-supported, northsouth shortened domal structure,
Citing source: *Geophysical Research Letters*, 30(24), 8045, doi:10.1029/2003GL017858.

Twenty one citations given to **Keskin, M.**, Pearce, J.A. and Mitchell, J.G. (1998). Volcano-stratigraphy and geochemistry of collision-related volcanism on the Erzurum-Kars Plateau, North Eastern Turkey, *Journal of Volcanology and Geothermal Research*, V.85/1-4, pp. 355-404.

21. Citing authors: Nosova AA, Sazonova LV, Dokuchaev AY, Grekov II, Gurbanov AG
Citing title: Neogene late-collisional sub alkaline granitoids in the area of Mineral'nye Vody, Caucasus: T-P-f o(2) crystallization conditions, fractional and fluid-magmatic differentiation
Citing source: *Petrology*, 13 (2): 122-160 MAR-APR 2005
20. Citing authors: Maggi A. and Priestley, K. (2005).
Citing title: Surface waveform tomography of the Turkish-Iranian plateau,
Citing source: *Geophysical Journal International*, 160 (3): 1068-1080, MAR 2005.
19. Citing authors: Alpaslan, M., Yilmaz, S. and Temel A. (2004).
Citing title: Geochemistry of post-collision Pliocene-Quaternary Karasar basalt (Divrigi-Sivas, Eastern Turkey): Evidence for partial melting processes,
Citing source: *Geologica Carpathica*, 55 (6): 487-500 DEC 2004.

18. Citing authors: Al-Lazki, A.I., Sandvol, E., Seber, D., Barazangi, M., Turkelli, N., Mohamad, R. (2004).
Citing title: Pn tomographic imaging of mantle lid velocity and anisotropy at the junction of the Arabian, Eurasian and African plates
Citing source: *Geophysical Journal International*, 158 (3): 1024-1040 SEP 2004

17. Citing authors: Allen, M., Jackson, J., Walker, R. (2003).
Citing title: Late Cenozoic reorganization of the Arabia-Eurasia collision and the comparison of short-term and long-term deformation rates,
Citing source: *Tectonics*, 23 (2): art. no. TC2008 MAR 17 2004.

16. Citing authors: Al-Lazki, A. I., Seber, D., Sandvol, E., Turkelli, N., Mohamad, R. and Barazangi, M. (2003).
Citing title: Tomographic Pn velocity and anisotropy structure beneath the Anatolian plateau (eastern Turkey) and the surrounding regions,
Citing source: *Geophysical Research Letters*, 30(24), Art. No. 8043, doi:10.1029/2003GL017391.

15. Citing author: Keskin, M. (2003).
Citing title: Magma generation by slab steepening and breakoff beneath a subduction-accretion complex: An alternative model for collision-related volcanism in Eastern Anatolia, Turkey,
Citing source: *Geophysical Research Letters*, 30(24), Art. No. 8046, doi:10.1029/ 2003GL018019.

14. Citing authors: Şengör, A.M.C., Özeren, S., Genç, T. and Zor, E. (2003).
Citing title: East Anatolian high plateau as a mantle-supported, northsouth shortened domal structure,
Citing source: *Geophysical Research Letters*, 30(24), 8045, doi:10.1029/2003GL017858.

13. Citing authors: Grenne, T., Pedersen, R.B., Bjerkgard, T., Braathen, A., Selassie, M.G. and Worku, T. (2003).
Citing title: Neoproterozoic evolution of Western Ethiopia: igneous geochemistry, isotope systematics and U-Pb ages,
Citing source: *Geological Magazine*, 140 (4): 373-395, JUL 2003.

12. Citing authors: Adiyaman, O., Parrot J.F., Chorowicz, J., Baudemont, F. and Kose, O.
Citing title: Geomorphic criteria for volcanoes from numerical analysis of DEMs. Application to the tectonics of Eastern Anatolia
Citing source: *Zeitschrift Fur Geomorphologie*, 47 (2): 235-250 JUN 2003

11. Citing authors: Sanchez-Bettucci, L., Oyhantcabal, P., Page, S. and Ramos, V.A. (2003)
Citing title: Petrography and geochemistry of the Carape-Granitic Complex (southeastern Uruguay)
Citing source: *Gondwana Research*, V. 6 (1), 89-105, JAN 2003.

10. Citing authors: Clark, M. and Robertson, A. (2002)
Citing title: The role of the Early Tertiary Ulukisla Basin, southern Turkey, in suturing of the Mesozoic Tethys ocean
Citing source: *Journal of the Geological Society*, V. 159, 673-690, Part 6, NOV 2002

9. Citing author: Keskin, M. (2002).
Citing title: FC-Modeler: a Microsoft® Excel® spreadsheet program for modeling Rayleigh fractionation vectors in closed magmatic systems,
Citing source: *Computers & Geosciences*, V. 28/8, pp. 919-928 (OCT/2002).
8. Citing authors: Van Wagoner N.A., Leybourne M.I., Dadd K.A., Baldwin D.K. and McNeil, W. (2002)
Citing title: Late Silurian bimodal volcanism of southwestern New Brunswick, Canada: Products of continental extension
Citing source: *Geological Society of America Bulletin*, V. 114 (4), 400-418, APR 2002
7. Citing authors: Karapetian, S.G., Jrbashian, R.T. and Mnatsakanian, A.K. (2001)
Citing title: Late collision rhyolitic volcanism in the north-eastern part of the Armenian Highland
Citing source: *Journal of Volcanology and Geothermal Research*, V. 112 (1-4), pp. 189-220, DEC 2001
6. Citing authors: Bozkurt E. and Mittwede S.K. (2001)
Citing title: Introduction to the geology of Turkey - A synthesis
Citing source: *International Geological Review*, V. 43 (7): pp. 578-594.
5. Citing author: Bozkurt, E. (2001)
Citing title: Neotectonics of Turkey - A synthesis
Citing Source: *Geodinamica Acta*, V. 14: (1-3) pp. 3-30, Sp. Iss, JAN-MAY 2001.
4. Citing authors: Tamburelli, C., Babbucci, D. and Mantovani, E. (2000)
Citing title: Geodynamic implications of “subduction related” magmatism, insights from the Tyrrhenian-Apennines region
Citing source: *Journal of Volcanology and Geothermal Research*, V. 104 (1-4), pp. 33-43, DEC 2000.
3. Citing authors: Aldanmaz, E., Pearce, J.A., Thirlwall, M.F. and Mitchell, J.G. (2000)
Citing title: Petrogenetic evolution of Late Cenozoic, post-collision volcanism in Western Anatolia, Turkey
Citing source: *Journal of Volcanology and Geothermal Research*, V. 102 (1-2), pp. 67-95, OCT 2000.
2. Citing authors: Clift P. and Blusztajn, J. (1999)
Citing title: The trace-element characteristics of Aegean and Aeolian volcanic arc marine tephra
Citing source: *Journal of Volcanology and Geothermal Research*, V. 92 (3-4), pp. 321-347, OCT 1999.
1. Citing authors: Deniel, C., Aydar, E., and Gourgau, A. (1998)
Citing title: The Hasan Dagi stratovolcano (Central Anatolia, Turkey): evolution from calc-alkaline to alkaline magmatism in a collision zone
Citing source: *Journal of Volcanology and Geothermal Research*, V. 87 (1-4), pp. 275-302, DEC 1998.

One citation given to **Keskin, M.** and Tüysüz, O. (1999). Geochemical evidence for nature and evolution of the rift volcanism related to the opening of the Black Sea, central Pontides, Turkey. EUG10 at Strasbourg, France, *Journal of Conference Abstracts*, Vol. 4, no: 1, p. 816.

1. Citing author: Tüysüz O. (1999)
Citing title: Geology of the Cretaceous sedimentary basins of the Western Pontides,
Citing source: *Geological Journal*, V. 34 (1-2), pp. 75-93, JAN-JUN 1999.

One citation given to my unpublished PhD thesis entitled “*Genesis of Collision-Related Volcanism on the Erzurum-Kars Plateau, NE Turkey*”, University of Durham, U.K. 358 p., (1994):

1. Citing authors: Ilbeyli, N. and Pearce, J.A. (2004).
Citing title: Petrogenesis of Igneous Enclaves in Plutonic Rocks of the Central Anatolian Crystalline Complex, Turkey,
Citing source: *International Geology Review*, Vol. 47, 2005, (in press).

V. Projects

A. Ongoing Projects

- 2002- present Project no: 102Y032. “*Petrological evolution of the Eocene magmatic units around the Armutlu Peninsula (NW Anatolia, Turkey) and investigation of their palaeomagnetic properties*”.
- Sponsored by: TÜBİTAK (Turkish Scientific Research Institute).
Project director: Assoc. Prof. Dr. S. Can Genç (Istanbul Technical University)
Project members: Prof. Dr. Okan Tüysüz, Mehmet Keskin and Turgay Isseven (Istanbul Technical University).

B. Completed Projects

- 2000- 2003 Project no: 1350. “*Petrologic evolution of the Eocene volcanism around the cities of Çorum, Amasya and Çankiri North Central Anatolia, Turkey*”.
- Sponsored by: Istanbul Technical University Research Fund
Project director: Assoc. Prof. Dr. S. Can Genç.
Project member: Prof. Dr. Okan Tüysüz (Istanbul Technical University) and Mehmet Keskin.
- 2000-2002 GP-18/07032000, “*The relative grading system and the statistical evaluation of the grades at the University of Istanbul*”.
- Sponsored by: Research Fund of the Istanbul University.
Project director: **Mehmet Keskin.**
- 1998-2001 Project no: 1145/010598, “*Petrology, tectonic setting and genesis of volcanism in the North of Istanbul and around Bosphorus*”.

- Sponsored by: Research Fund of the Istanbul University.
 Project director: **Mehmet Keskin**.
 Project members: Assoc. Prof. Dr. Timur Ustaömer and Prof. Dr. Mefail Yenyol (Istanbul University).
- 1997-1998 Project no: YDABCAG-590/6. “*Formation and evaluation of Western Black Sea Basin*”.
 Sponsored by: Turkish Scientific Research Institute (TÜBİTAK)
 Project director: Prof. Dr. Okan Tüysüz (Istanbul Technical University)
 Project members: Mehmet Keskin and Gursel Sunal (Istanbul Technical University).
- 1997-1998 “*Geology of the Eastern border of the Istanbul Zone, Western Pontides*”.
 Sponsored by: Turkish Petroleum (TPAO)
 Project director: Prof. Dr. Okan Tüysüz (Istanbul Technical University)
 Project members: Mehmet Keskin and Prof. Dr. Boris Nathaline (Istanbul Technical University).
- 1993-1994 “*Sr, Nd, Pb and O isotope systematics of collision-related volcanic units of NE Anatolia region, Turkey*”.
 Sponsored by: Natural Environment Research Council (NERC) Isotope Geoscience Laboratories, Nottingham, U.K.
 Project members: Prof. Dr. J.A. Pearce (University of Durham) and Mehmet Keskin.
 Advisors : Dr. Pamela D. Kempton and Dr. Peter Greenwood (NERC).
- 1990-1991 “*Evaluation of collision-related volcanism on the Erzurum-Kars Plateau*”.
 Sponsored by: Turkish Petroleum
 Project director: Mehmet Keskin
 Project advisors: Prof. Dr. Julian A. PEARCE and Dr. Dave HIRST.
- 1987-1988 “*Geology of the Armutlu Peninsula, NW Turkey*”.
 Sponsored by: Istanbul University – Turkish Petroleum joint project.
 Project director: Prof. Dr. Yucel YILMAZ.
 Project member: Mehmet Keskin
- 1984-1986 “*Geology of the Eastern Taurus Belt in the North of Kahramanmaras City, SE Turkey*”.
 Sponsored by: Istanbul University – Turkish Petroleum joint project
 Project director: Prof. Dr. Yucel YILMAZ.
 Project member: Mehmet Keskin

VI. Professional courses attended

- 2001 Volcanic Processes, Products and Successions Short Course: Modern & Ancient Systems. 6th –10th August 2001, Middle East Technical University, Ankara.
Lecturer: Prof. Dr. Raymond Cas, Monash University, Melbourne, Australia.
- 1993 A special course on Sr, Nd, Pb and $\delta^{18}\text{O}$ isotope analyses with special emphasis on sample preparation and analytical techniques. Natural Environment Research Council, Nottingham, U.K.
Advisors: Dr. P.D. Kempton and Dr. P. Greenwood.
- 1993 Techniques in the use of ICP-MS and data calibration. University of Durham, Mounthjoy Industrial Research Laboratory, U.K.
- 1991 Techniques in the use of Electron Micro Probe, data analysis. 4 weeks. University of Durham, Department of Geological Sciences, U.K.

VII. Analytical experience

- 1993-1994 **Solid & Gas Source Mass Spectrometry:** Sample preparation for “Finnegan MAT 262 Multi-collector Mass Spectrometer” and “VG354 Multi-collector Mass Spectrometer”. Natural Environment Research Council (NERC), Isotope Geosciences Laboratories, Nottingham, U.K.
- 1993 **ICP-MS:** Sample preparation for “VG Plasma Quad ICP-MS”. University of Durham, Mounthjoy Industrial Research Laboratory. U.K.
- 1990-1993 **Electron Micro-Probe:** extensive use of an Electron Microprobe, University of Durham, Department of Geological Sciences, U.K.
- 1990-1993 **XRF:** experience in the use of a Phillips PW-1400 XRF having an automatic loader at the University of Durham Department of Geological Sciences, U.K. Preparation of pressed powder pellets and fusion disks.

VIII. Courses I have taught in the department of Geological Engineering

1. Undergraduate courses

- 1997-2001 **Volcanology:** 7. term, elective.
Mineralogy for the students of the Dept. of Chemistry: 3. term, elective.
Computer Literacy: 3. term, compulsory.

2. Graduate courses

- 1998-2001 **Mineral Chemistry**
Evaluation of Geochemical Data in Petrology
Isotope Petrochemistry

Volcanology, Istanbul Technical University, Euro-Asian (Eurasia) Institute of Earth Sciences (in English).

IX. Honors and Awards

- 1989-1994 Ph.D. scholarship in the field of Mineralogy and Petrography awarded by the Turkish Ministry of Education, Honor.
- 1987-1988 Turkish Scientific Research Institute (TUBITAK) Honor fellowship.
- 1985-1986 Turkish Scientific Research Institute MSc Scholarship.
- 1984 Istanbul University, Faculty of Engineering, Department of Geological Engineering, Honor Degree.

X. Thesis Adv.

- 1998-2002 supervision of 20 undergrad students.